

[illegible]

Appendix 2 - Prior Frequencies

[illegible]

Appendix 2 - Prior Frequencies

y→ȳ

Fruit.Primary							
f	ʀ	y	-	-	-	-	-
f	ʁ	ȳ	i	-	-	-	-

ɔa→ø

Tail.Primary			
c	ɔa	d	ə
k	ø	-	-

ɔa→u:

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

ej→j

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

ej→a

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

ej→aj

Ear.Primary				
o	ʁ	ej	-	-
ɔ	ʀ	aj	-	-

ej→i

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

ej→ě

Breast.Primary			
s	ej	-	u
s	ě	-	-

ej→ø

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

ej→a:

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

vj→ɛj

Red.Vermiculus						
v	i	r	m	vj	-	ʌ
v	ɛ	ʁ	m	ɛj	-	-

Appendix 2 - Prior Frequencies

ej→aj

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

ej→i

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

ej→ø

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

ej→a:

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

y→qa

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

y→i

River.Rivus				
ʁ	y	-	-	-
r	i	-	w	-

y→ø

Moon.Primary			
l	y	n	-
l	ø	n	-

y→i:

River.Rivus				
ʁ	y	-	-	-
r	i:	w	u	s

i→a

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

i→ɛa

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

i→qa

ToKnow.Cognoscere							
k	u	-	ɲ	i	s	-	e
k	u	-	n	qa	ɟ	t	e

Appendix 2 - Prior Frequencies

i→ej

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

i→ej

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

qa→i

ToKnow.Cognoscere									
k	u	-	n	qa	f	t	e	-	-
k	u	-	n	i	s	-	e	r	-

i→y

River.Rivus				
r	i	-	w	-
ɤ	y	-	-	-

qa→y

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

qa→ɥ

Rain.Primary				
p	l	qa	-	j
p	l	ɥ	-	i

ɔj→œ

Leaf.Primary				
f	-	ɔj	-	-
f	-	œ	j	-

ɔj→qa

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

aɥ→o:

Few.Primary				
p	aɥ	k	u	s
p	o:	k	-	-

œ→ɔj

Leaf.Primary				
f	-	œ	j	-
f	-	ɔj	-	-

œ→ε

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

Appendix 2 - Prior Frequencies

$\alpha \rightarrow e$:

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

$\alpha \rightarrow \text{ea}$

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

$\alpha \rightarrow ej$

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

$\alpha \rightarrow i$

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

$\alpha \rightarrow \text{ɔ}:$

Heart.Anima			
α	-	-	m
$\text{ɔ}:$	-	-	m

$\alpha \rightarrow a$:

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

$\alpha \rightarrow i:$

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

$\text{ea} \rightarrow \alpha$

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

$\text{ea} \rightarrow aj$

Fog.Caecia				
ʃ	ea	ʃ	-	ə
k	aj	k	i	a

$\text{ea} \rightarrow i$

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

$\text{ea} \rightarrow i:$

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

Appendix 2 - Prior Frequencies

oj→ej

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

oj→ə

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

aj→ɛa

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

aj→ej

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

aj→ɛj

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

aj→ɐ

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

aj→i

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

ɔa→ɔj

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

i→õ:

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

i→ã

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

i→ẽj

In.In	
i	n
ẽj	-

Appendix 2 - Prior Frequencies

$\tilde{v}j \rightarrow \tilde{e}$

Not.Nec			
n	$\tilde{v}j$	-	
n	\tilde{e}	-	

$\tilde{v}j \rightarrow e:$

Cloud.Primary					
n	u	v	$\tilde{v}j$	-	
n	u:	b	e:	s	

$\tilde{e}j \rightarrow i$

In.In	
$\tilde{e}j$	-
i	n

$\tilde{e}j \rightarrow \text{ə}$

In.In	
$\tilde{e}j$	-
ə	n

$\tilde{e}j \rightarrow \tilde{e}$

Not.Nec		
n	$\tilde{e}j$	-
n	\tilde{e}	-

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

Cloud.Primary					
n	u	v	$\tilde{e}j$	-	
n	u:	b	e:	s	

$\tilde{e} \rightarrow ij$

Dog.Primary						
ʃ	j	\tilde{e}	-	-	-	
k	-	ij	n	e	-	

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

Full.Primary						
p	l	\tilde{e}	-	-	-	
p	j	$\varepsilon:$	n	o	-	

$\tilde{e} \rightarrow u:$

How.Quomodo					
k	ɔ	m	\tilde{e}	-	-
ʈʂ	e	m	u:	t	-

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

Tongue.Primary					
l	\tilde{a}	-	g	-	-
l	$\tilde{e}u$	-	-	-	-

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

Blood.Primary									
s	\tilde{a}	-	-	-	-	-	-	-	-
s	$\tilde{o}:$	-	g	-	-	-	-	-	-

Appendix 2 - Prior Frequencies

ã→ê:

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

ã→u:

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

ã→e:

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

ẽ→ij

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

ẽ→ej

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

ẽ→ẽj

Not.Nec		
n	ẽ	-
n	ẽj	-

ẽ→ẽj

Not.Nec		
n	ẽ	-
n	ẽj	-

ẽ→ε:

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

õ→w

ToHear.Primary					
õ	-	-	-	ʀ	-
w	-	-	i	ʁ	-

õ→œ

One.Primary			
õ	-	-	-
œ	-	-	-

õ→ø

Few.Primary				
p	õ	-	-	-
p	ø	-	-	-

Appendix 2 - Prior Frequencies

õ→u:

One.Primary				
õ	-	-	-	
u:	n	u	s	

ẽj→ə

In.In	
ẽj	-
ə	n

ẽj→i

In.In	
ẽj	-
i	n

ã→i

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

œ→u:

One.Primary			
œ	-	-	-
u:	n	u	s

i→ẽj

In.In	
i	n
ẽj	-

i→ε:

What.Primary			
k	-	i	-
k	w	ε:	-

i→ɔ

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

i→o:

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

i→u

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

i→a:

Hand.Primary				
m	i	n	ə	-
m	a:	n	o	-

Appendix 2 - Prior Frequencies

$e \rightarrow aj$

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

$e \rightarrow ɔ:$

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

$ə \rightarrow \varepsilon j$

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

$ə \rightarrow ɪ$

I.Primary			
ʒ	ə	-	-
ɔ̃	ɪ	-	-

$ə \rightarrow oj$

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

$ɪ \rightarrow ə$

I.Primary			
ɔ̃	ɪ	-	-
ʒ	ə	-	-

$ə \rightarrow \tilde{e}j$

In.In	
ə	n
$\tilde{e}j$	-

$ə \rightarrow ɔ$

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

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

Tongue.Primary					
l	$\tilde{e}u$	-	-	-	-
l	\tilde{a}	-	g	-	-

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

Tongue.Primary					
l	$\tilde{e}u$	-	-	-	-
l	ε	n	g	-	ε

$\tilde{e}u \rightarrow e$

Tongue.Primary					
l	$\tilde{e}u$	-	-	-	-
l	e	ŋ	g	w	a

Appendix 2 - Prior Frequencies

õ:→i

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

õ:→ã

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

ẽ:→ã

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

ẽ:→ε

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

ẽ:→i

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

ẽ:→e

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

œ→õ

One.Primary				
œ	-	-	-	-
õ	-	-	-	-

ə→ẽj

In.In	
ə	n
ẽj	-

ɪ→ʒ

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

εj→ε

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

εj→ə

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

Appendix 2 - Prior Frequencies

c→θ

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

c→ɖʒ

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

c→p

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

y→t

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

y→i:

ToTie.Primary									
ʌ	i	y	a	-	-	-	-	-	-
l	ɔj	i:	-	-	-	-	-	-	-

θ→h

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

θ→c

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

θ→ʒ

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

θ→d

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

z→dz

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

z→j

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

Appendix 2 - Prior Frequencies

$z \rightarrow t$

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

$\lambda \rightarrow t$

Full.Primary						
-	λ	e	n	o	-	-
p	t	ϵ	-	-	-	-

$\mathfrak{d}_3 \rightarrow dz$

Day.Diurnata						
\mathfrak{d}_3	-	o	r	n	a	t a
dz	-	o	r	n	a	d e

$\mathfrak{d}_3 \rightarrow g^w$

Blood.Primary						
s	i	n	\mathfrak{d}_3	-	e	- -
s	a	n	g^w	-	i	n e m

$\mathfrak{d}_3 \rightarrow h$

ToPull.Trahere						
t	r	a	\mathfrak{d}_3	e	-	-
t	r	a	h	e	r	e

$\mathfrak{d}_3 \rightarrow c$

ToSuck.Primary						
s	u	\mathfrak{d}_3	e	-	-	-
c	u	c	a:	-	-	-

$\mathfrak{d}_3 \rightarrow \mathfrak{t}^f$

Red.Rubeus						
r	u	-	\mathfrak{d}_3	e	-	-
r	\mathfrak{c}	-	\mathfrak{t}^f	-	-	-

$\mathfrak{z} \rightarrow dz$

Day.Diurnata						
\mathfrak{z}	-	u	\mathfrak{x}	n	e	- -
dz	-	o	r	n	a	d e

$\mathfrak{z} \rightarrow \theta$

Near.Vicinus						
v	-	i	\mathfrak{z}	\tilde{e}	-	- -
b	-	e	θ	i	n	o -

$\mathfrak{z} \rightarrow \mathfrak{x}$

Rain.Primary						
p	l	u	-	\mathfrak{z}	-	\mathfrak{a}
p	l	u:	-	\mathfrak{x}	-	-

$\mathfrak{z} \rightarrow s$

ToWipe.Extergere						
\mathfrak{a}	-	s	t	\mathfrak{a}	r	\mathfrak{z} i - -
e	-	s	t	a	r	s i r -

Appendix 2 - Prior Frequencies

ʒ→w

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

x→i:

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

x→t

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

x→d

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

x→g

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

ɖz→x

Day.Diurnata						
ɖz	-	o	r	n	a	d
x	-	o	r	n	a	d

ɖz→z

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

ɖz→ɖʒ

Day.Diurnata						
ɖz	-	o	r	n	a	d
ɖʒ	-	o	r	n	a	t

ɖz→ʒ

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

g^w→ɖʒ

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

g^w→b

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

Appendix 2 - Prior Frequencies

$g^w \rightarrow k$

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

$k^l \rightarrow t$

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

$ʃ \rightarrow ʃ$

ToDig.Cavare									
ʃ	a	v	a:	-	-	-	-	-	-
ʃ	ə	v	e	-	-	-	-	-	-

$ɥ \rightarrow ɥa$

Rain.Primary									
p	l	$ɥ$	-	-	i	-	-	-	-
p	l	ɥa	-	-	j	e	-	-	-

$ɥ \rightarrow y$

Fruit.Primary									
f	ɾ	$ɥ$	i	-	-	-	-	-	-
f	ɾ	y	-	-	-	-	-	-	-

$ʒ \rightarrow ɪ$

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

$h \rightarrow \theta$

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

$h \rightarrow k$

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

$h \rightarrow w$

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

$h \rightarrow r$

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

$j \rightarrow z$

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

Appendix 2 - Prior Frequencies

j → g

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

k^w → d

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

ɫ → ʌ

Full.Primary					
p	ɫ	ɛ	-	-	-
-	ʌ	e	n	o	-

ɫ → r

Sun.Primary				
s	ɔ	ɫ	-	-
s	ɔa	r	e	-

ɫ → r

Ice.Primary			
ʒ	ɛ	ɫ	-
ɖʒ	e	r	-

ts → f

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

x → dz

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

h → ɖʒ

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

ø → j

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

ʈʃ → ɖʒ

Red.Rubeus					
r	ɔ	-	ʈʃ	-	-
r	u	-	ɖʒ	e	-

f → ts

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

Appendix 2 - Prior Frequencies

j→ε

Hair.Capillus							
ʃ	i	v	j	-	-	a	-
k	ə	b	ε	-	ʌ	-	-

j→o

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

w→h

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

w→ʒ

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

w→õ

ToHear.Primary							
w	-	-	i	ʁ	-	-	
õ	-	-	-	R	-	-	

w→u:

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

l→o

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

r→h

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

r→ɫ

Ice.Primary				
ɖ	e	r	-	
ʒ	ε	ɫ	-	

r→e

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

ŋ→k

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

Appendix 2 - Prior Frequencies

$n \rightarrow m$

All.Primary					
o	n	n	i	-	
o	m	n	i	s	

$m \rightarrow n$

All.Primary					
o	m	n	i	s	
o	n	n	i	-	

$m \rightarrow a$

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

$m \rightarrow e$

Big.Majjorem					
m	a	j	o:	r	e m
m	a	-	-	r	e

$n \rightarrow b$

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

$ij \rightarrow \tilde{e}$

Dog.Primary					
k	-	ij	n	e	-
f	j	\tilde{e}	-	-	-

$ij \rightarrow \tilde{e}$

Dog.Primary					
k	-	ij	n	e	-
ʃ	-	\tilde{e}	-	-	-

$iw \rightarrow \varepsilon$

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

$iw \rightarrow a:$

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

$iw \rightarrow i$

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

$\varepsilon j \rightarrow oj$

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

Appendix 2 - Prior Frequencies

$\epsilon j \rightarrow \epsilon j$

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

$j \rightarrow \emptyset$

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

$j \rightarrow \epsilon j$

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

$s \rightarrow r$

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

$s \rightarrow ʁ$

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

$b \rightarrow g^w$

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

$b \rightarrow ʁ$

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

$b \rightarrow n$

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

$g \rightarrow j$

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

$g \rightarrow x$

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

$ʁ \rightarrow ʒ$

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

Appendix 2 - Prior Frequencies

$\mathfrak{x} \rightarrow \text{b}$

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

$\mathfrak{x} \rightarrow \text{s}$

BarkOfATree.Skorteá						
e	-	k	-	o	\mathfrak{x}	s
-	s	k	w	a	s	-

$\text{d} \rightarrow \text{k}^{\text{w}}$

ToTurnIntransitive.Torquere						
t	ɔ	\mathfrak{x}	d	-	\mathfrak{x}	-
t	o	r	k^{w}	e:	r	e

$\text{d} \rightarrow \text{x}$

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

$\text{d} \rightarrow \theta$

ToTurnIntransitive.Torquere						
t	ɔ	\mathfrak{x}	d	-	\mathfrak{x}	-
t	o	r	θ	e	r	-

$\text{f} \rightarrow \text{j}$

ToDig.Cavare						
f	ə	v	e	-	-	-
j	a	v	a:	-	-	-

$\text{d} \rightarrow \text{e}$

ToSqueeze.Primary						
e	-	-	p	\mathfrak{x}	ẽ	-
-	s	k	-	r	e	m

$\text{k} \rightarrow \text{g}^{\text{w}}$

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

$\text{k} \rightarrow \text{h}$

Bird.Avicellum						
-	a	w	i	-	k	-
-	-	u:	-	-	h	-

$\text{k} \rightarrow \text{ŋ}$

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

$\text{r} \rightarrow \text{ɹ}$

ToScratch.Coctiare						
k	u	s	a	r	-	-
k	o	s	a	ɹ	-	-

Appendix 2 - Prior Frequencies

$r \rightarrow \text{ɫ}$

Sun.Primary					
s	ɔ̌a	r	e	-	-
s	ɔ̌	ɫ	-	-	-

$r \rightarrow s$

BarkOfATree.Skorteá								
-	s	k	-	ɔ̌a	r	ts	-	ə
-	s	k	w	a	s	-	-	-

$t \rightarrow k^j$

Old.Primary					
w	-	e	t	u	s
v	-	e	k ^j	-	-

$t \rightarrow x$

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

$t \rightarrow \gamma$

Lake.Primary			
l	a:	t	-
l	a	ɣ	u

$t \rightarrow z$

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

$s \rightarrow \text{ʒ}$

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

$p \rightarrow c$

Night.Primary					
n	-	ɔ̌a	p	t	e
n	-	o	c	t	e

$\emptyset \rightarrow \text{ɔ̌a}$

Tail.Primary			
k	ɔ̌	-	-
c	ɔ̌a	d	ə

$\text{ɫ} \rightarrow r$

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

$i \rightarrow \text{ẽ:}$

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

Appendix 2 - Prior Frequencies

i→ø

Hair.Capillus							
k	a	p	i	l	l	u	s
ʃ	ə	v	ø	-	-	-	-

o:→au

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

i→ɔ:

Heart.Anima				
i	n	i	m	ə
ɔ:	-	-	m	-

i→u:

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

i→a:

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

e:→œ

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

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	-	ɲ	i	s	-	e	r	-

ɔ:→i

Heart.Anima				
ɔ:	-	-	m	-
i	n	i	m	ə

ɔ:→u

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

e:→ẽj

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

Appendix 2 - Prior Frequencies

ɔ: → ɐ

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

ɔ: → a

Heart.Anima				
ɔ:	-	-	m	-
a	-	-	m	-

e: → ẽj

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

ε → u:

Thin.Delicatus							
d	ε	ɬ	-	ɣ	a	ð	u
d	u:	-	-	ʒ	e:	-	-

e: → ã

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

ε → ẽ:

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

ε → ẽu

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

ε → œ

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

ε → εj

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

ε → iw

Seed.Granum				
g	ʁ	ε	n	-
g	r	iw	-	-

ε → j

Hair.Capillus					
k	ə	b	ε	-	ʎ
ʈ	i	v	j	-	a

Appendix 2 - Prior Frequencies

$\epsilon: \rightarrow e:$

Full.Primary						
p	j	$\epsilon:$	n	o	-	
p	l	e:	n	u	s	

$\epsilon: \rightarrow a:$

Father.Primary						
p	$\epsilon:$	-	r	-		
p	a:	d	r	e		

$e: \rightarrow \epsilon:$

Full.Primary						
p	l	e:	n	u	s	
p	j	$\epsilon:$	n	o	-	

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

Full.Primary						
p	j	$\epsilon:$	n	o	-	
p	l	\tilde{e}	-	-	-	

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

Full.Primary						
p	j	$\epsilon:$	n	o	-	
p	l	\tilde{e}	-	-	-	

$\epsilon: \rightarrow i$

What.Primary						
k	w	$\epsilon:$	-			
k	-	i	-			

$e: \rightarrow u$

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

$o: \rightarrow i$

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

$o \rightarrow j$

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

$o \rightarrow l$

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

$i \rightarrow aj$

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

Appendix 2 - Prior Frequencies

a:→i

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

a:→ɛ:

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

a→m

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

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	ɤ -

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	i w	-	-	-

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	-

a→u:

Day.Primary			
d	i	a	-
dʒ	-	u:	-

Appendix 2 - Prior Frequencies

i:→x

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

u→i

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

i:→y

ToTie.Primary						
l	ɔj	i:	-	-	-	-
ʌ	i	y	a	-	-	-

e:→a:

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

ø→ej

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

u:→i

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

u:→a

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

i:→ɛa

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

u:→ɛ

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

u:→ø:

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

i:→y

River.Rivus						
r	i:	w	u	s	-	-
ʁ	y	-	-	-	-	-

Appendix 2 - Prior Frequencies

i:→ø:

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

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:→œ

One.Primary			
u:	n	u	s
œ	-	-	-

u:→ɔa

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

u:→w

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

i→iw

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

i:→ɑ

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

ø:→i:

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

a:→e:

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

Appendix 2 - Prior Frequencies

ø:→u:

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

e→ē:

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

ø→ō

Few.Primary				
p	ø	-	-	-
p	ō	-	-	-

e→m

Big.Majjorem						
m	a	-	-	r	e	-
m	a	j	o:	r	e	m

e→r

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

e→d

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

ø→y

Moon.Primary			
l	ø	n	-
l	y	n	-

e→ēu

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

ø→i

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

ø→ej

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

h→ʃ

Bird.Avicellum									
-	-	u:	-	t	h	-	ε:	-	-
-	-	u	-	t	ʃ	-	ε	l	l

Bird.Avicellum									
-	-	u:	-	-	h	-	ε:	-	-
-	-	u	-	-	ʃ	j	ε	-	l

Appendix 2 - Prior Frequencies

u:→e:

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

∅→o:

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

u:→o:

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

u→b

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

ʃf→h

Bird.Avicellum	Bird.Avicellum
- - u - t ʃf - ε l l o -	- - u - - ʃf j ε - l - -
- - u: - - h - ε: - - -	- - u: - - h - ε: - - -

i:→aj

Sky.Primary	Sky.Primary
s - i: ʒ - -	ʃf - i: l - -
k - aj l u m	k - aj l u m

∅→u:

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

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→k

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

∅:→œ

Flower.Primary	Mouth.Gula
f l ∅: ʒ - -	g ∅: j -
f l œ ʒ - -	g œ l -

u→t

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

Appendix 2 - Prior Frequencies

iw → ẽw̃

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

dz → s

Leaf.Frondea						Leaf.Frondea					
f	r	o	n	dz	- a	f	r	o	n	dz	- a
f	r	õ	-	s	- e	f	r	õ	-	s	- e

ij → ẽw̃

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

ʊ → o

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

ʃ → j

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

ʃ → i:

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

ẽ → a:

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

i: → ʃ

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

dz → d

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

e → qa

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

Appendix 2 - Prior Frequencies

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 -

ʃ→d

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

ɔj→oj

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

ɔj→ɔ

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

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 -

oj→y

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

oj→ɔa

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

oj→ɔj

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

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→ε:

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

ɛa→ø:

Star.Primary	ToDrink.Primary
- s t - ɛa - - -	b - ɛa - - -
- s t - ø: - l -	b - ø: - - ɾ -

Appendix 2 - Prior Frequencies

o→ɔ:

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

o→i:

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

ɑ→e:

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

u:→ɥ

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

j→ɔ̃

Leg.Gamba	ToEat.Manducare
j a m b e	m a ŋ j - - a: - -
ɔ̃ ã - p -	m a n ɔ̃ - - a r e

ø:→ɔa

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

u:→ø

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

ɔ̃→R

ToFlow.Excurrere	ToFlow.Currere
- - s k u r ɔ̃ e - -	k u r ɔ̃ e - -
i - ʃ k u - R e r -	k ɔ - R i - -

u:→ə

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

ã→ã

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

Appendix 2 - Prior Frequencies

u:→ũ

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

œ→a

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

i:→o

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

ã→o

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

œ→ø:

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

ɖɟ→w

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

k^l→j

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

i:→ε:

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

ø:→ɛa

Star.Primary	ToDrink.Primary
- s t - ø: - l -	b - ø: - - ʁ -
- s t - ɛa - - -	b - ɛa - - -

aʊ→w

ToHear.Primary	ToHear.Primary
aʊ - d i: r e	aʊ - z i - -
w - - i ʁ -	w - - i ʁ -

i:→ẽ

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

Appendix 2 - Prior Frequencies

u:→e

Day.Primary	Day.Primary
ɔ̃ - u: -	ɔ̃ - u: -
d i e -	d i e -

ɲ→l

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

u→i

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

u→ẽw̃

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

j→kʲ

Eye.Primary	Eye.Primary
- œ - j - - - -	- u: - j - - - -
- o - kʲ - - - -	- o - kʲ - - - -

s→i

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

ɤ→v

Rain.Primary	Rain.Primary
p l u: - ɤ - -	p l u: - ɤ - -
ʃ - u - v - e	ʃ - u - v - e

e→ɔ:

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

s→dz

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

s→ɕ

FatNoun.Crassia	FatNoun.Crassia
g ɤ ε s -	g r a s a
k R ɔ: ɕ -	k R ɔ: ɕ -

Appendix 2 - Prior Frequencies

t→u

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

d→dz

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

d→j

ToEat.Manducare	ToEat.Manducare
m a n d u k a: r e	m a n d u k a r -
m a ŋ j - - a: - -	m a ŋ j - - a: - -

õ→i

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

a→r

ToDig.Excavare	ToDig.Excavare
i - ʃ k ɐ v a ɾ -	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

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

d→tʃ

ToTurnIntransitive.Torquere	ToTurnIntransitive.Torquere
t ɔ ɾ d - ɾ -	t ɔ ɾ d - ɾ -
t ɔ r tʃ e r e	t ɔ a r tʃ e - -

a:→ẽ

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

a→r

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

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	e	v	a	ʁ	-	-	i	-	ʃ	k	e	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:	-	-	-

$p \rightarrow k^w$

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

$a: \rightarrow \text{ɔ:}$

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

$a \rightarrow b$

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	-	-	-

$p \rightarrow \gamma$

Water.Primary										Water.Primary									
a	-	p	-	ə	-	-	-	-	-	a	-	p	-	ə	-	-	-	-	-
a	-	ɣ	w	a	-	-	-	-	-	aɪ	-	ɣ	w	ə	-	-	-	-	-

$k \rightarrow e$

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	-	-	-	-	-

$p \rightarrow u$

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	-	-	-	-

$\zeta \rightarrow s$

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

$j \rightarrow t$

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

Appendix 2 - Prior Frequencies

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→z

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

a→œ

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

ø→ε

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

ø:→ej

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

r→a

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

b→v

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→j

Sand.Sabulum								Fog.Nebula							
s	o	-	-	r	ə	-	-	n	-	e	-	g	u	r	ə
s	o:	v	-	j	ō	-	-	n	-	e	b	b	-	j	a

b→u

ToStand.Levare								ToStand.Levare							
j	e	b	a	r	-	-	-	ʌ	ə	b	a	-	-	-	-
l	-	u	a	-	-	-	-	l	-	u	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	e	z	e	r	-	-

Appendix 2 - Prior Frequencies

b→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	j	a	v	a:	-	-	-

l→j

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

g→v

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

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	-	-

ō→i

Round.Primary										Round.Primary									
ɤ	ō	-	-	-	-	-	-	-	-	r	ō	-	-	-	-	-	-	-	-
ɤ	i	d	ō	-	d	u	-	-	-	ɤ	i	d	ō	-	d	u	-	-	-

j→g

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

g→j

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

w→y

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

w→au

ToHear.Primary										ToHear.Primary									
w	-	-	i	ɤ	-	-	-	-	-	w	-	-	i	ɤ	-	-	-	-	-
au	-	d	i:	r	e	-	-	-	-	au	-	z	i	-	-	-	-	-	-

v→z

ToHear.Primary										ToHear.Primary									
o	w	v	i	ɤ	-	-	-	-	-	o	w	v	i	r	-	-	-	-	-
au	-	z	i	-	-	-	-	-	-	au	-	z	i	-	-	-	-	-	-

v→g

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

Appendix 2 - Prior Frequencies

a:→r

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

w→ɔ̯

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

w→z

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

a:→r

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

v→ɣ

Rain.Primary										Rain.Primary									
ʃ	-	u	-	v	-	ɐ				ʃ	-	u	-	v	-	ɐ			
p	l	u:	-	ɣ	-	-				p	l	u:	-	ɣ	-	-			

õ→ũ

One.Primary					One.Primary				
õ	-	-	-		õ	-	-	-	
ũ	-	-	-		ũ	-	-	-	

a:→aj

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

v→ɐ

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

j→r

Sand.Sabulum										Fog.Nebula									
s	o:	v	-	j	õ	-				n	-	e	b	b	-	j	a		
s	o	-	-	r	ə	-				n	-	e	-	g	u	r	ə		

∅→∅:

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

ʌ→o

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

Appendix 2 - Prior Frequencies

ɔ̃ → j

Leg.Gamba	ToEat.Manducare
ɔ̃ ã - p -	m a n ɔ̃ - - a r e
j a m b e	m a ŋ j - - a: - -

i → ã

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

k^w → γ

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

ε: → i:

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

ẽ → i

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

ẽw̃ → ε

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

ẽ → ẽw̃

Dog.Primary	Dog.Primary
ʃ j ẽ - - -	ʃ j ẽ - - -
k - ẽ - - -	k - ẽ - - -
ʃ j w̃ - - -	ʃ j w̃ - - -

ɔ: → ə

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

ẽw̃ → ã

Dog.Primary	Dog.Primary
k - ẽ - - -	k - ẽ - - -
ʃ j w̃ - - -	ʃ j w̃ - - -
ʃ j ã - - -	ʃ j ã - - -

ẽ → ù

ToStab.Primary	ToStab.Primary
p w ẽ - d - ɾ -	p w ẽ - d - ɾ -
p - ù - ʒ i ɾ -	p - ù - ʒ i r -

Appendix 2 - Prior Frequencies

i→ø:

ToDrink.Primary						Narrow.Strictus					
b	-	i	β	e	r	-	-	s	t	r	-
b	-	ø:	-	-	ɤ	-	-	s	t	ɤ	-

i→õ

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

e:→ɐ

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

ʌ→t

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

i→ẽwĩ

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

ɔ:→ɛ

Meat.Primary				FatNoun.Crassia			
ʃ	ɔ:	-	-	k	ɾ	ɔ:	ç
ʃ	ɛ	ɤ	-	g	ɤ	ɛ	s

ɔ:→ɔ

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

ɔ:→o

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

ø:→ø

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

ɔ:→a:

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

ɥ→o

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

Appendix 2 - Prior Frequencies

ɔ:→e

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

ɔ→ɔj

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

ɛ:→o

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

ø:→i

ToDrink.Primary					Narrow.Strictus				
b	-	ø:	-	ʁ	-	s	t	ʁ	-
b	-	i	β	e	r	-	s	t	r

ẽ→i:

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

e:→ɑ

Three.Primary				Three.Primary			
t	r	-	e:	t	r	-	e:
t	ʁ	w	ɑ	t	ʁ	w	ɑ

ẽw̃→o:

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

k^w→θ

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

ẽ→ɐj

Full.Primary				Full.Primary			
p	l	ẽ	-	p	l	ẽ	-
ʃ	-	ɐj	-	ʃ	-	ɐj	-

ɐ→v

ToDig.Excavare					ToDig.Excavare				
i	-	ʃ	k	ɐ	i	-	ʃ	k	ɐ
-	s	k	a	v	-	s	k	a	v

Appendix 2 - Prior Frequencies

ẽu → i

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

ẽw̃ → i

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

ə → u:

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

ε → ɔa

ToKnow.Cognoscere						ToKnow.Cognoscere					
k	ɔ	-	n	ε	-	k	u	-	n	ε	f
k	u	-	n	ɔa	f	k	u	-	n	ɔa	f

ə → ɔ:

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

ə → ε:

Fog.Tenebras						ToFall.Primary					
t	-	ə	n	-	e	k	-	ə	d	ea	-
t	-	ε:	n	-	e	ʃ	-	ε:	-	r	-

ũ → ẽ

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

ũ → ȯ

One.Primary				One.Primary			
ũ	-	-	-	ũ	-	-	-
ȯ	-	-	-	ȯ	-	-	-

ȯ: → ẽ

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

ə → ɐj

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

k^w → p

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

Appendix 2 - Prior Frequencies

ə→aj

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

ε→ẽw̃

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

ε→ø

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

ε→ɔ:

Meat.Primary						FatNoun.Crassia					
ʃ	ε	ɣ	-	-	-	g	ɣ	ε	s	-	-
ʃ	ɔ:	-	-	-	-	k	ɣ	ɔ:	ç	-	-

ɐ→e:

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

ɐ→u

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

ɐ→u:

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

ε→o:

ToKnow.Cognoscere						ToKnow.Cognoscere					
k	ɔ	-	n	ε	-	k	u	-	n	ε	-
k	o	g	n	o:	s	k	o	g	n	o:	s
					k						k
					e						e

ɐ→ε:

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

ũ→u:

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

Appendix 2 - Prior Frequencies

e:→ē

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

ẽw̃→u

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

ɥ→u:

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

ɭ→j

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

e→b

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

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	s

ɾ→ɖɟ

ToFlow.Excurrere										ToFlow.Currere									
i	-	ɟ	k	u	-	ɾ	e	r	-	k	ɔ	-	ɾ	i	-	-			
-	-	s	k	u	r	ɖɟ	e	-	-	k	u	r	ɖɟ	e	-	-			

ɔ→ɔ:

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

qa→i

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

a→j

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

ɛ:→ə

Fog.Tenebras										ToFall.Primary									
t	-	ɛ:	n	-	e	b	r	e	-	ʈ	-	ɛ:	-	-	ʀ	-			
t	-	ə	n	-	e	b	r	ə	s	k	-	ə	d	ea	-	-			

Appendix 2 - Prior Frequencies

qa → ε

ToKnow.Cognoscere										ToKnow.Cognoscere									
k	u	-	n	qa	f	t	e	-	-	k	u	-	n	qa	f	t	e	-	-
k	ɔ	-	n	ε	-	t	-	ɣ	-	k	u	-	n	ε	f	-	ə	-	-

qa → ø:

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

o → ɥ

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

o → ʌ

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

ε: → ɐ

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

qa → oj

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

ẽw̃ → iw

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

i → qa

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

z → v

ToHear.Primary						ToHear.Primary					
a	ɥ	-	z	i	-	a	ɥ	-	z	i	-
o	w	v	i	ɣ	-	o	w	v	i	r	-

ẽ → â

Belly.Pantex						Belly.Pantex					
p	ẽ	-	s	-	-	p	ẽ	-	s	-	-
p	â	-	s	-	-	p	â	-	s	-	-

Appendix 2 - Prior Frequencies

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	-	-

aj→i:

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

aj→a:

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

ẽw̃→ij

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

aj→o:

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

z→j

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

aj→ə

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

o→ʊ

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

z→w

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

z→r

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

Appendix 2 - Prior Frequencies

$\varepsilon \rightarrow \text{ej}$

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

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

Hand.Primary						Hand.Primary					
m	\tilde{e}	-	-	-	-	m	\tilde{e}	-	-	-	-
	\tilde{w}	-	-	-	-		\tilde{w}	-	-	-	-
m	i	n	ə	-	-	m	i	n	ə	-	-

$o: \rightarrow u:$

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

$qa \rightarrow e$

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

$i \rightarrow u$

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

$y \rightarrow w$

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

$\text{ej} \rightarrow \varepsilon:$

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

$\text{ej} \rightarrow \emptyset:$

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

$y \rightarrow p$

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

$i \rightarrow \tilde{e}u$

Tongue.Primary						Tongue.Primary					
l	i	-	g	w	ɐ	l	i	-	g	w	ɐ
l	$\tilde{e}u$	-	-	-	-	l	$\tilde{e}u$	-	-	-	-

Appendix 2 - Prior Frequencies

ej→ē

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

ej→ə

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

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	-	ɜ	-	k	u	-	n	ε	f	-	ə	-	-

γ→j

Liver.Primary							Liver.Primary								
-	-	i	y	a	ɔ̃	o	-	f	-	i	y	ɐ	ɔ̃	u	-
f	-	i	j	a:	t	-	-	f	-	i	j	a:	t	-	-

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	-

γ→k^w

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

ā→ē

Belly.Pantex						Belly.Pantex					
p	ā	-	s	-	-	p	ā	-	s	-	-
p	ē	-	s	-	ɐ	p	ē	-	s	-	ɐ

ē→ō:

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

θ→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

j→f

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

o:→ēw̃

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

Appendix 2 - Prior Frequencies

y→oj

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

i→õ

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

e:→u:

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

i→ẽwĩ

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

o:→ø

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

ã→ã

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

e→k

ToRub.Primary					ToRub.Primary				
f	ɾ	ej	e	-	f	ɾ	ej	e	-
f	r	i	k	a:	f	r	e	k	a:

e→g

ToRub.Primary					ToRub.Primary					ToRub.Primary				
f	ɾ	ej	e	-	f	ɾ	ej	e	-	f	ɾ	ej	e	-
f	r	e	g	a	f	r	e	g	a	f	r	ə	g	a

β→f

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

p→g

Water.Primary				Water.Primary				Water.Primary			
a	-	p	-	a	-	p	-	a	-	p	-
a	-	g	w	a	-	g	w	a	-	g	-

Appendix 2 - Prior Frequencies

d→ɹ

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

p→f

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

h→z

Bird.Avicellum	ToPull.Trahere	ToPull.Trahere
- - u: - - h - ε: - - -	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 -

e→ɣ

ToSpit.Primary	ToSpit.Primary	ToDig.Excavare
k o n s p u e r e	k ɔ̃ - s p y e - -	- s k a v a r e -
k u - s p i ɣ - -	k u - s p i ɣ - -	i - f k ɐ v a ɣ -

ɹ→d

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

ɣ→w

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

i→ɔj

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

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 ε f - ɐ - -	k u - n ɔ a f t e - -

ɔ̃→ð

ToSplit.Primary	Smooth.Nitidus	Smooth.Nitidus
ɔ̃ i v i ɔ̃ i ɣ -	n ε ɔ̃ u - - -	n ε ɔ̃ u - - -
d i v i ɔ̃ i r -	n i ð i - o -	n i ð i - o -

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 - ε: - - -	t r a h e r e	t r a h e r e

i→ëu

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

Appendix 2 - Prior Frequencies

ɖ → s

ToSuck.Primary	ToSuck.Primary	ToWipe.Extergere
s u ɖ e - -	s u ɖ e - -	- - f t e r ɖ e - -
s y s e - -	s y s i: - -	e - s t a r s i r -

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 ɾ -	n ε ɖ u - - -	n ε ɖ u - - -

i: → ě

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

k^l → x

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

θ → 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 ts - - e -	- a l ts a r e	r e ts - i n t - -

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 -

f → ɕ

FatNoun.Crassia	FatNoun.Crassia	FatNoun.Crassia
g r a f ɐ	g r a f ɐ	g r e f -
k ɾ ɔ: ɕ -	k ɾ ɔ: ɕ -	k ɾ ɔ: ɕ -

ɾ → e

ToSpit.Primary	ToSpit.Primary	ToDig.Excavare
k u - s p i ɾ - -	k u - s p i ɾ - -	i - f k ɐ v a ɾ -
k o n s p u e r e	k ɔ̃ - s p y e - -	- s k a v a r e -

f → h

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

x → k^l

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

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 - -

Appendix 2 - Prior Frequencies

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 - - - -

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→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→ŋ

Long.Longum	Long.Longum	Long.Longum
l ɔ̃ - g u - -	l ɔ̃ - g u - -	l u n g - - -
λ o - ŋ - - -	λ o - ŋ - - -	λ o - ŋ - - -

ts→θ

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 -

g→e

ToRub.Primary	ToRub.Primary	ToRub.Primary
f r e g a r -	f r e g a r e	f r ə g a - -
f ɾ ɛ j e - - -	f ɾ ɛ j e - - -	f ɾ ɛ j e - - -

a→qa

Woman.Domina	BarkOfATree.Skortea	BarkOfATree.Skortea
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

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 ɾ -	p ẽ - s a r -	p l ẽ - - -

ɾ→t

Round.Primary	Round.Primary	Round.Primary
ɾ ɔ̃ - - - - -	ɾ e d ɔ̃ - d u -	ɾ i d ɔ̃ - d u -
t a r ɔ̃ n t - -	t a r ɔ̃ n t - -	t a r ɔ̃ n t - -

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

e:→i

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

Appendix 2 - Prior Frequencies

u→ʊ

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

e→o:

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

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 -

aj→ɛ:

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

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→y

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

ç→f

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

l→u

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

u→ē

ToWipe.Exsucare	ToWipe.Exsucare	ToSwell.Primary
u - s - - k - a - -	u - s - - k - a - -	u m f l a - -
ē - f - u g - a r -	ē - f - u ʏ - a r -	ē - 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 - -

ɛ:→aj

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

Appendix 2 - Prior Frequencies

ɔ→ɔ̃

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

ŋ→g

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

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 - -

ɔ̃→ɔ

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

ɛj→ē

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

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

ɔa→aɹ

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

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 - -	r o - ʃ u - -

ɑ→ɛ

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

ēɹ→i

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

ɛ→ɑ

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

Appendix 2 - Prior Frequencies

ə→ī

Guts.Primary	ToBurn.Incendere	ToBurn.Incendere
ə n t - r a ɲ - ə ī - t - r ē ɲ - e	ə n s e n d - - r ə ī - s e n dʒ ɪ a r -	ə n s e n d - - r ə ī - s ē - d j a r -

ɑ→ø:

Liver.Primary	ToDrink.Primary	Three.Primary
f w ɑ - - - f - ø: - - t -	b w ɑ - - ɣ - b - ø: - - ɣ -	t ɣ w ɑ - t r - ø: -

ɪ→j

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

y→o

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

e→ē

Grass.Gramen	Guts.Primary	Mountain.Montanea
g r e m e - g r ē m e -	ē - t - r e ɲ - e ī - t - r ē ɲ - e	m ð - t e - ɲ - e m ð - t ē - ɲ - e

ɔj→i

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

au→qa

Tail.Primary	Tail.Primary	Tail.Primary
k au d a c qa d ə	k au d e c qa d ə	k au d e c qa d ə

ɔ→y

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

au→ð

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

i→e:

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

œ→qa

Woman.Domina	Leaf.Primary	Flower.Primary
d œ m - - - d qa m - n ə	f - œ j - - f - qa - j e	f l œ ɣ - - f l qa r e -

Appendix 2 - Prior Frequencies

u→l

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

ĩ→ə

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

aj→o

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

ẽ→e

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

ẽ→ej

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

t→r

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

t→ɾ

Round.Primary	Round.Primary	Round.Primary
t a r ɔ n t - - ɾ õ - - - -	t a r ɔ n t - - ɾ e d õ - d u -	t a r ɔ n t - - ɾ i d õ - d u -

o:→õ

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

a:→ẽ

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

ẽ→u

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

ẽ→i:

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

Appendix 2 - Prior Frequencies

ẽ→e:

ToThink.Pensare	ToThink.Pensare	Full.Primary
p ẽ - s a ʁ -	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

r→j

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

r→t

ToSqueeze.Appectorare	ToSqueeze.Appectorare	ToSqueeze.Appectorare
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

a:→ɔ

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

õ→au

ToHear.Primary	ToHear.Primary	Few.Primary
õ - - - R -	õ - - - R -	p õ - - -
au - d i: r e	au - z i - -	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

õ→o:

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

ej→ø:

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

ø:→ɑ

Liver.Primary	ToDrink.Primary	Three.Primary
f - ø: - - - t - -	b - ø: - - - ʁ - -	t r - ø: -
f w ɑ - - - - -	b w ɑ - - - ʁ - -	t ʁ w ɑ -

w→o:

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

œ→u

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

Appendix 2 - Prior Frequencies

s→ɖʒ

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

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

ẽ→a:

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

w→ɣ

Rain.Primary	Sky.Primary	Sky.Primary
p l u - w i a	s - ɛ w - -	s - ɛ w - -
p l u: - ɣ - -	s - i: ɣ - -	s - i: ɣ - -

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→ɪ

ToBurn.Incendere	ToBurn.Incendere	ToBurn.Incendere
ẽ - s ã - d j e - -	i n ʃ ɛ n d j a r e	ĩ - s ẽ - d j a r -
ĩ - s e n ɖʒ i a r -	ĩ - s e n ɖʒ i a r -	ĩ - s e n ɖʒ i a r -

j→r

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

ɔa→œ

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

ɔ→a:

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

o:→e

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 - ɲ e s - e ɣ -	ʃ e m u: t -

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 -	ɖʒ i r - ej - t u -	t r - ej -

Appendix 2 - Prior Frequencies

qa→a

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

ā→u

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

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

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: - - -

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 ʁ -	s u g a r -	f l u g t w a r -

e:→ej

Sand.Primary	Full.Primary	Full.Primary	Straight.Primary
h a r e: n a	p l e: n u s	p l e: n u s	d i: r - e: k t u s
- e r ej - e	f - ej - u -	f - ej - u -	d i r - ej - t u -

i→ĩ

ToSqueeze.Stringere	ToSqueeze.Stringere	ToBurn.Incendere	ToBurn.Incendere
- s t r i n d̥ e - -	- s t r i n d̥ e - -	i n f̥ i n d̥ z e - -	i n f̥ i n d̥ z e - -
ə f t r i - ʒ i r -	ə f t r i - ʒ i r -	ĩ - s e n d̥ i a r -	ĩ - s ě - d̥ j a r -

ej→e:

Sand.Primary	Full.Primary	Full.Primary	Straight.Primary
- e r ej - e	f - ej - u -	f - ej - u -	d i r - ej - t u -
h a r e: n a	p l e: n u s	p l e: n u s	d i: r - e: k t u s

ɣ→d̥ʒ

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

e:→ej

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

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

Appendix 2 - Prior Frequencies

$\varepsilon \rightarrow u$

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

$\emptyset \rightarrow au$

Tail.Primary	Tail.Primary	Tail.Primary	Few.Primary
k \emptyset - -	k \emptyset - -	k \emptyset - -	p \emptyset - -
k au d a	k au d e	k au d e	p au k u s

$\tilde{o} \rightarrow \omega$

Good.Primary	Good.Primary	Good.Primary	Good.Primary
b - \tilde{o} - -	b - \tilde{o} - -	b - \tilde{o} - -	b - \tilde{o} - -
b w ω : n o -	b w ω : n o -	b w ω : n o -	b w ω : n o -

$e \rightarrow oj$

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

$e \rightarrow i$

I.Primary	I.Primary	I.Primary	I.Primary
- e g o:	- e - w	- e - w	j e - w
\mathfrak{d}_j i - -	\mathfrak{d}_j i - -	\mathfrak{d}_j i - -	\mathfrak{d}_j i - -

$\emptyset: \rightarrow oj$

Two.Duos	Two.Duos	Two.Duos	Two.Duos
d - $\emptyset:$ -	d - $\emptyset:$ -	d - $\emptyset:$ -	d - $\emptyset:$ -
d - oj s	d - oj f	d - oj -	d - oj -

$e \rightarrow r$

ToSpit.Primary	ToSpit.Primary	ToDig.Excavare	Big.Majjorem
k o n s p u e r e	k \tilde{o} - s p y e - -	- s k a v a r e -	m a j j o: r e m
k u - f p i r - -	k u - f p i r - -	i - f k e v a r -	m a - - - r e

$j \rightarrow g$

Leg.Gamba	Leg.Gamba	Leg.Gamba	Leg.Gamba
j a m b e	j a m b e	j a m b e	j a m b e
g a m b a	g a m b a	g a m b a	g a m b a

$\tilde{a} \rightarrow e$

Year.Primary	Year.Primary	Year.Primary	Year.Primary
\tilde{a} - - - -	\tilde{a} - - - -	\tilde{a} - - - -	\tilde{a} - - - -
e - n u -	e - n u -	e - n u -	e - n u -

$\tilde{i} \rightarrow i$

ToSqueeze.Stringere	ToSqueeze.Stringere	ToBurn.Incendere	ToBurn.Incendere
\mathfrak{a} f t r \tilde{i} - \mathfrak{z} i r -	\mathfrak{a} f t r \tilde{i} - \mathfrak{z} i r -	\tilde{i} - s e n \mathfrak{d}_j i a r -	\tilde{i} - s \tilde{e} - d j a r -
- s t r i n \mathfrak{d}_j e - -	- s t r i n \mathfrak{d}_j e - -	i n \mathfrak{f} i n d \mathfrak{z} e - -	i n \mathfrak{f} i n d \mathfrak{z} e - -

$\tilde{e} \rightarrow o$

Far.Primary	Far.Primary	How.Quomodo	How.Quomodo
l w \tilde{e} - t \tilde{e} - -	l w \tilde{e} - t \tilde{e} - -	k ω m \tilde{e} - -	k ω m \tilde{e} - -
l - o n t a n o	l - o n t a n -	k ^w o: m o d o	k o m o - -

Appendix 2 - Prior Frequencies

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 - - -

ũ→œ

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

ɔ:→ö

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 - ö - - -	b - ö - - -	b - ö - - -	b - ö - - -

ẽw̃→a:

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

ẽj̃→o

Child.Ninnus	Child.Ninnus	Child.Ninnus	Child.Ninnus
n e n ẽj̃ - -	n e n ẽj̃ - -	n e n ẽj̃ - -	n e n ẽj̃ - -
n i j̃ o	n i n o	n i j̃ o	n i n o

ø:→a

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

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: - ɣ -	p - i: - ɣ -	n - i: f - -	f r - i: g i d u s

ẽj̃→a:

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

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

j→λ

Hair.Capillus	Neck.Primary	ToStand.Levare	There.Primary
k a b e - j̃ o -	k w e - j̃ o -	j̃ e b a r -	a - j̃ a -
k ə b ε - λ -	k - ɔ - λ -	λ ə b a - -	ə - λ a -

Appendix 2 - Prior Frequencies

ĩ→ẽwĩ

Not.Primary	Not.Primary	Not.Primary	Not.Primary
n ĩ - n ẽ - wĩ	n ĩ - n ẽ - wĩ	n ĩ - n ẽ - wĩ	n ĩ - n ẽ - wĩ

œ→ũ

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

ε:→i

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

ə→ej

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

ɐ→ã

Year.Primary	Year.Primary	Year.Primary	Year.Primary
ɐ - n u - ã - - - -	ɐ - n u - ã - - - -	ɐ - n u - ã - - - -	ɐ - n u - ã - - - -

ɐ→ɑ

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

ẽwĩ→ĩ

Not.Primary	Not.Primary	Not.Primary	Not.Primary
n ẽ - wĩ n ĩ -	n ẽ - wĩ n ĩ -	n ẽ - wĩ n ĩ -	n ẽ - wĩ n ĩ -

o:→œ

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

oj→ø:

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

ej→e:

Sand.Primary	Straight.Primary	Three.Primary	Three.Primary
- a r ej - ɐ h a r e: n ɑ	dʒ i r - ej - t u - d i: r - e: k t u s	t r - ej - t r - e: s	t r - ej - t r - e: -

Appendix 2 - Prior Frequencies

g→j

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
j a m b e	j a m b e	j a m b e	j a m b e

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 -

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: - - -

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: ʀ -	- s t ʁ - ø: - - - -	d - r - ø: - - - -

g→c

ToSuck.Primary	ToSuck.Primary	ToSuck.Primary	ToFloat.Primary
s u: g e r e	s u g a ʁ -	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 - -

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 - s	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 - ə d u - k j e -	v - ε k - k j o

g→t

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→j

Liver.Primary	Liver.Primary	ToSmell.Fragrare	ToSmell.Fragrare
f - e g a t o -	f - i g v 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 - -

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 -

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 r e	l e g a - -
l ɔj i: - - -	l ɔj i: - - -	l ɔj i: - - -	l ɔj i: - - -

Appendix 2 - Prior Frequencies

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 t s i r e -	s u b t s i r e -

v→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 - -

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 v d u -	f r a: g r a: r e	f r a g r a r e

s→u

Many.Primary	Many.Primary	Few.Primary	Few.Primary
m u l t u s	m u l t u s	p a u k u s	p a u k u s
m ũ j - t u	m ũ j - t u	p o w k u	p o w k u

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 - -

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 i w - - -	g r i w - - -	g r i w - - -	g r i w - - -

a:→ēj

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 ēj - - - -	m ēj - - - -	m ēj - - - -	m ēj - - - -

t→o

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

t→l

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→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 -

Appendix 2 - Prior Frequencies

a:→ẽw̃

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	-	-	-
		w̃						w̃					w̃					w̃			

d→b

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

d→r

Round.Primary					Round.Primary					Round.Primary					Round.Primary					
r	e	d	o	n	d	o	-	-	-	ɾ	e	d	ō	-	d	u	-	-	-	-
t	a	r	ɔ	n	t	-	-	-	-	t	a	r	ɔ	n	t	-	-	-	-	-

r→e

ToSpit.Primary										ToSpit.Primary										ToDig.Excavare										Big.Majjorem									
k	u	-	f	p	i	r	-	-	-	k	u	-	f	p	i	r	-	-	-	i	-	f	k	ɐ	v	a	r	-	m	a	-	-	-	r	e				
k	o	n	s	p	u	e	r	e	-	k	ɔ̃	-	s	p	y	e	-	-	-	-	s	k	a	v	a	r	e	-	m	a	j	j	o	:r	e	m			

p→tʃ

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

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	ɾ	n	u	k	-	o	r	n	u	k	-	o	r	n	u

k→o

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									
ɔ̃	-	i	n	ɔ	k	k	-	j	o	-	l	u	n	k	-	-	-	l	u	n	k	-	-	-	l	u	n	k	-	-	-
ɔ̃	-	e	n	u	n	k	-	-	-	-	l	o	-	n	g	u	s	l	o	-	n	g	o	-	l	u	-	n	g	o	-

r→d

Round.Primary					Round.Primary					Round.Primary					Round.Primary					
t	a	r	ɔ	n	t	-	-	-	-	t	a	r	ɔ	n	t	-	-	-	-	-
r	e	d	o	n	d	o	-	-	-	ɾ	e	d	ō	-	d	u	-	-	-	

i→ɛ:

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	-	ɛ:	n	-	e	b	r	e	-	p	j	ɛ:	n	o	-	k	w	ɛ:	-	-	k	w	ɛ:	-

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	a	w	-	-	t	r	ɛ	w	-	r	ə	s	u	-	tʃ	i	w	-	-	-

Appendix 2 - Prior Frequencies

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 -	a n d - - a r e	ẽ - d - - a ʁ -	ẽ - d - - a r -

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 -

ej→ə

ToSmell.Fragrare	ToThrow.Primary	ToThrow.Primary	ToBurn.Cremare
f - 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 - -

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→t

Many.Primary	Many.Primary	Many.Primary	Many.Primary
m u - ʈ o -	m u - ʈ o -	m o l t o -	m o l t o -
m ũ j - t u	m ũ j - t u	m ũ j - t u	m ũ j - t u

ʌ→j

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

o→ẽj

Child.Ninnus	Child.Ninnus	Child.Ninnus	Child.Ninnus
n i ɲ o	n i ɲ 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

oj→e

ToRub.Primary	ToRub.Primary	ToRub.Primary	ToRub.Primary
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 - -

k→ɖʒ

Blood.Primary	Leg.Gamba	Liver.Primary	Liver.Primary
s a ɲ k - - - -	k a m b ə	f - i: k a: t u m	f - i k a t - - -
s i n ɖʒ - e - - -	ɖʒ ã - p -	f - e ɖʒ ə - - -	f - e ɖʒ ə - - -

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 -

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 ʌ - ʌ o -
s ɔ l ej - - - -	f ʁ ej e - - -	v e ʁ m ej - - - -	v e ʁ m ej - - - -

Appendix 2 - Prior Frequencies

o→ē

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 ē - t ē - -	l w ē - t ē - -	k o m ē - -	k o m ē - -

o→a:

Horn.Primary	Horn.Primary	Horn.Primary	Horn.Primary
k - o r n u:	k - o r 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 - -

i→e:

Stone.Petra	Stone.Petra	Snow.Primary	Cold.Primary
p - i: - r -	p - i: - r -	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 - -

ɔ̃→y

Liver.Primary	Liver.Primary	ToSwim.Navigare	ToSwim.Navigare
f - e ɔ̃ ə - -	f - e ɔ̃ ə - -	n ε - - ɔ̃ i: - -	n ε - - ɔ̃ i: - -
- - i y a ð o -	- - i y e ð u -	n a v i y a r -	n e v i y a r -

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 - -	r ɑ z e - -
- a r ej - ɐ	- e r ej - ɐ	t e - ʎ - a r -	r e z a r -

ɔ̃→k

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

œ→o:

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

au→ø

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

ʒ→ʃ

Near.Vicinus	Near.Vicinus	Near.Vicinus	Red.Rubeus
v - i ʒ ē - -	v - i ʒ ē - -	v - i ʒ ē - -	r u - ʒ - -
v - i ʃ i n o -	v - i ʃ i n -	v - e ʃ i n -	r o - ʃ - -

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 ʎ - ə

ɪ→e

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

Appendix 2 - Prior Frequencies

ej→i

Sun.Soliculus	ToRub.Primary	Red.Vermiculus	Red.Vermiculus
s ɔ l ej - - - -	f ɤ ej e - - -	v ε ɤ m ej - - - -	v ε ɤ m ej - - - -
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 -

ʃ→ʒ

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

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 - -

ʃ→p

Wide.Amplum	Wide.Amplum	Wide.Amplum	Wide.Amplum
a n ʃ - o -	a n ʃ - o -	a n ʃ - o -	a n ʃ - o -
a m p l u s	ā - p l - -	a m p j o -	a m p l ə -

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 a u k u s	p a u k u s

i:→g

ToTie.Primary	ToTie.Primary	ToTie.Primary	ToTie.Primary
l ɔ j i: - - -	l ɔ j i: - - -	l ɔ j i: - - -	l ɔ j i: - - -
l i g a: r e	l e g a r -	l e g a r e	l e g a - -

n→k

Knee.Geniculum	Long.Longum	Long.Longum	Long.Longum
ɖ ɛ n u n kʲ - - -	l o - n g u s	l o - n g o -	l u - n g o -
ɖ i n ɔ k k - j o -	l u n k - - -	l u n k - - -	l u n k - - -

u→ɔj

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

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

ø→oj

Two.Duos	Two.Duos	Two.Duos	Two.Duos
d - ø -	d - ø -	d - ø -	d - ø -
d - o j s	d - o j f	d - o j -	d - o j -

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 nuvẽj kelizẽj kẽj nẽj 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 z̃aʃ̃ea f̃ed̃ea k̃ad̃ea		
oa	006F, 032F, 0061	40
d̃oam̃ña f̃oaje sk̃oarts̃a f̃loare c̃oad̃a s̃qare p̃loaje ñoapte ṽoame kuñoaf̃te t̃oart̃fe c̃oase apr̃oape		
ẽj	1EBD, 006A, 0303	46
nenẽj nenẽj nuvẽj kalizẽj kẽj nẽj ẽj		
ẽu	1EBD, 0075, 032F	90
l̃ẽu		
aj	0061, 006A	55
paj paj ɔraj ajyw̃a 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 ma:ñja: 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 makt̃a:re mat̃ja: pugna:re kapti:re cat̃ja: pulsa:re pulsa: seka:re sea: kurta:re ekskurta:re skurta: ta:lia:re ta:ʎa:re taja: se:para:re separa: jugula:re jugula:re ra:dere rada: rasa: kawa:re ʃava: ekskawa:re z̃ava: nata:re nada: naviga:re naviga: wola:re zvola: camina: ma:r̃ʃi: ambita:re sedenta:re senta: sta:re sta: leva:re leva: al̃ʃa: torna:re torna: gyra:re đ̃jira: đ̃jira: da: dona:re dona: appekto:re frika:re frikta:re lawa:re lava: eksu:ka:re suja: limpida:re tira:re tira: pulsa:re pulsa: jakt̃a:re lankea:re lañʃa: e:runka:re liga:re lea: apta:re komputa:re konta: numera:re numera: kanta:re canta: joka:re đ̃juja: flu:ktua:re fluita:re ko:la:re gela:re glakia:re glaʃa: inglakia:re infla:re enfla: konfla:re zgloñfa: 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 fejrak zejtar zejtar kejm̃ake istrejtu đ̃jirejtu 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 đ̃zaʃ̃e: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:ʃe ra:di:ki:na wi:wenda pi: pit̃ fi:ka:tum ri:wus ri:pa:ria rivi:ʃ pi:ʃ ka:li:ginem si:ʃ ʃi:l ni:f kammi:num ma:ni: sysi: respi:ra:re ri:de:re ri:dere ki:ʃ vi:ʃ aũdire uldi: ski:re senti:re sinti: dormi:re durmi: wi:were muri: okki:dere ʃ̃esi: teji: di:widere parti:re parti: nađ̃i: ma:r̃ʃi: weni:re vi:ni: ho:si: strengi: pu:si: lanci: loji: di:kere di:ʃ di: skori: subti:lem suti:l fri:gidus vi: di:re:ktus wi:ki:nus k̃wi:nk̃e 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		
ɔj	0254, 006A	16
nojs vojs fɔj lɔji:		
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 fāmẽ pēsẽ sēti sēde fēt pwēdk̃ epwēdk̃ etwēdk̃ ẽsādje plẽ vwazẽ lwētẽ kōmẽ		
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 mārī mariđo marito maridu marit mari:t mađre marō mari patre pađre parō pari tata tata tata tata tatō animalia omaj alimaņa nōmaje be:stia biſſa pwasō awem abe avi avi aw awikellum wazo passerem paxaro passero paseru paseru pasōre kanem kan kane ka can sarpint farpe arborem aŗbŗ aŗbol albero aŗvori arvuri abrō arbul arbore silwa selba selva sēwva selba pal palo palo paw paw pal par grano grano gra gran folia oxa fōłła frondea frondza raiθ kais kadi radi:tʃe ra:di:ki:na kasin kortikea korteθa kortettʃa skortea skōrtsa skwas skwartse herba jerba erba jarbe jarbō grāmen grama gram rista resta kwan kotenna pja karnem karne karne kārni karni karn karne wi:wenda bibjenda vivanda vivēda sang ^w inem sangre sangwe saŗ saŗk adepem adipe grasa grafe grafe kaŗda kola koda kua plu:ma pluma pjuma penna pena penna panō pwal kapillus kabejo kapello kabelu tʃivja cavej kapitia kaβeθa kavettsa kabese kap kap testa testa o:rikla orexa orekkja naso nas nas nariθ nariʃe naris bukka boka bokka gula gola gola ungula upa ungja gamba gamba gamba kambō jambe gambō perna pjerna manum mano maŗ a:la ala ala a a alō ale pantikem panθa panʃa paŗʃō pantse intera:nea ōtŗaj entraņa əntrəņō spatula espalda spalla ispadwe ispadwe əspałłō spal spale spate san anima alma alma awmē almē anime iyađo fegato fikat lu:na luna luna ste:lla etwal estreja stella ak ^w a aŗwa akkwa agwē agwē age apō pluwia jubja pjodđa ri:paria lakum lak lago lago lagu layu łak lak lak mare mar mare maŗ mar mar mare sal sale saw sal sal sare saksum sasso petra pjeđra pje:tra pjatrō lapidem laude lapide hare:nō arena arejē arinō sabulum sabl savalōn sabula sabbja pōlvar terra tjera terra tsarō nuvola kalina kalidđine 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 kamjnu monta:nea mōtajņ montajņa montajņa muntajņ mōtajņ mōntajņe dia zōņna zōņna diurna:ta xornada đžornata đžornade annum apō anno aŗ aŗ an ling ^w a lenggwa lingwa manduka:re mandukar mandğare mēzāŗ mēzāŗ mārjza maŗi: maŗja: minka mwardi moskar morsikare musōga musōgar musōŗa murseka sugaŗ sugar skujpa esputar sputare soffjare sufla respirar respirare kēspirar kēʃpirar rēspira vwaŗ sapere savwaŗ saber sapere sabēŗ savō:ŗ save: kwidar kođitare kuŗitāŗ kuŗitar kujda kuđgeta pensar pensare pēsāŗ pēsar pēnsa pōsa ulura odorare fragrare fejraŗ fejrar flōjra tremare dwaŗmi via nēga neka anegar annegare makta:re mate matar mataŗ mētar mēta maʃja: pupar pupjare pupa battuere batŗ batir battere bater batrō bate bati bate kaptia:re fase kaθar kattʃare kasāŗ kēsar kōsa caʃja: puxar pulsare puŗaŗ puŗar pulsa segar segare segaŗ siŗaŗ sōŗa kortar koŗtaŗ kurtar skortare skurta taxar tałłā:re tałāŗ tēłāŗ tōłā taja: tōja parti:re paŗtiŗ partir partire paŗtʃiŗ parti: se:para:re separar separare separaŗ sipēraŗ sēpōra		

Appendix 4 - Words containing each segment

separa: separa raer radere væk rawrə rada: rade rasar rasare väzak väzar rəza rasa: raskar väfkaḡ vēfkar rəska kosaḡ kusar kawa:re kabar kavare kevak kevar kəba java: ekskawa:re eskabar skavare iḡkevak iḡkevar zjava: nata:re nadar nwtare nadaḡ nəḡar nəḡa nada: naviga:re naḡe nabegar navigare naviyak nēviyar nəḡaga naviga: naviga bolar volare voak vwar bula zvolare zburā kaminar kamminare kemijak kemijar kəmina camina: makḡe ambita:re andar andare ēḡdar ēḡdar jake:re jaḡer ḡatḡe:re zawrə swak sentar sētar sētar estar stare iḡtar iḡtar əsta sta

jebat levare levak livar ləba lua alḡar altsare alsa alsar əlsa alḡa: tornar tornare toḡnak turnar turna turna xirar ḡirare zirar zirar zira birar virare virar zirar bira kadere fwaḡ kaer kadere kawrə ḡjade tumber tōbak tōbar tumba dare dar dare ḡar ḡar ḡar da donar donare doa duar duna segurar sigurak siyurar serar seḡa sərar səra serare ḡerar serrare siḡar siḡar appetora:re apretar epirtar epirtar fregar fregare frəga frea freka iḡfrigar iḡfriyar frotar frettare frisar frəsa lawa:re lave laḡar lavare levar levar ləba lave lava: la estarsir affugare ēḡugar ēḡugar əḡuga uska limpjar lipar lipar tirar tirare ḡira tirar tira puxar pulsare pufar pufar pulsa trahere trarre traze tradḡe jaktare: ēḡar ḡettare zejtar zejtar xita lankea:re lanḡar lanḡare lēsa lēsar lənsa lanci: lanḡa: arankar arronḡare aruḡka legar legare liḡa lega apta:re atar etar etar kontar kontare kōtar kōtar kumta noverare numera numara kanta:re kantar kantare kētar kētar kənta canta: kinta xugar ḡokare zogak zuḡar zuga zuka flugtwar fluttuare flutuak flutuar fluktua fluctua fluitare kolar kolare koak kuar kuḡa elar ḡelare zilar zilar zəla ḡale glakia:re glase ḡjatḡare gləsa glatḡa: inglakia:re ingetsa inḡar enfiare iḡar iḡar imfla umfla gonḡare kəwatḡ kəame kemar kremare kəmare kəmaḡe krəma flamma:re flame fjammarə flama flama: arde:re aḡḡar arder ardere aḡḡar arde flagra:re flagḡe flagrar flagrare flagḡak flagrar inḡendjare isēḡjar isēḡjar ustolare ustura tantus tanto tanto tant tanc alguno alkuno awḡū aḡū alter altro altrō altri alt alius aw al magnus maḡno maḡno grandem grande grande gran grant mare largus laḡz laryo largo laḡgu laḡgu lark lark larg lato lato latu latu lat amplus anḡo amḡo amplə krassus graso grasso graḡu gras gras grawis grabe gravi gravi grav angustus angosto angusto etḡwa delyaḡo delikato dewḡadu delyaḡu dəlikat kalidus kaldo kaldo kawdu kaldu kaḡ calt kald fḡwa malus mal malo malo maw maw mal dḡwa tarənt aku:tus ayuḡo soave suaw adpropre aprḡape vwazē kirka ḡerka lontano lunta lontan galbinus galben amarellus amarijo emarelu albus albo albo awvu alvu alb alb duas kʷattwor katḡ kwatro kwattro kwatru kwatru kwatrə kwat kwatri patru aki aki aki aki la aja la la la əḡa la la ai ai kwa kʷando: kwando kwando kwan kwand kwant ad a a a a a a a abhoc avek avu

b 0062 20

bos bus embra fembra be:stia biffa bife bife bis abe berme arborem aḡbḡ albero abrə o:b arbul arbore selba selba herba eḡb jerba erba erbə jarbe jarbə bibjenda webo kabejo kabelu kəbēḡ kabesə bukka buḡ boka bokka boka boka bokə bokḡ bōk bōcə bukə gamba ḡḡb gamba gamba kambə jambe gambə bjentre bentrə jubja sabulum sabl sabula sabbja pulbere polbo nu:bē:s nube nube nu:bilus nublo nebula njebla nebbja tene:braj tē:nebre tene:bra:s tenebḡ tinjeblas tē:nebre tanebrəs bjento ben njebe bia biə nombre limbə bibere bwak beber bere beḡer biḡer bəwrə bəḡ bevi bəa ber bəwrə saber sabes səber bibir biwrə battuere batḡ batir battere bateḡ bəter batrə bate bati bate dibidir dibidi kabar kəba eskabar nabegar nəḡaga bolar bula zburā ambita:re benir bəni jebat ləba birar bira tōbe tumber tōbak tōbar tumba ləba nōḡe grabe brewis bḡef brebe breve brevi brevi brew bḡef subti:lem subtsire bjexo bonus bō bweno bwə:no bō bō bōn bō bōn bun hebetem ebete beḡino bəi bermexo bərmēḡ rubeus rubjo rəbbjo rubeo rubeo rojb berde galbinus galben albus albo albo alb alb ibi: abhoc

C 0063 65

can car cḡadə cavej ca:f bōcə noctem cuca: caḡa: camina: lanci: cḡase canta: fluctua molc tanc calt spurcus abhoc

d 0064 24

usted domina dam dopa ḡonna done done ḡonə ḡoem done ḡoamḡa maridu ma:dre pa:dre peduklus pidḡkḡjo pedoli pəḡukje frondea ra:di:kem ra:di:ke rədi radi:ḡe ra:di:ki:na rəḡḡfinə kodie wi:wenda vjḡḡ bibjenda vivanda vivēḡa vivēḡe adepem adipe kaḡda koda kaḡḡe kaḡḡe kōḡe cḡadə dentem ḡḡ djente dente dēḡi dēti dē dint dinte pedem pje:de dorsum do ḡosso dos ḡḡ dḡes do espalda iḡpadwə iḡpadwə fiḡḡu pjoḡḡa pedre lapidem laude lapide pudḡ sḡḡḡ sendrə sē:d estrada strada istradḡ die:s dia di die die ḡiḡ di diurnum ḡjurno diurna:ta xornada ḡornade komedere manduka:re mandukar morde:re moḡḡḡ mḡrdere moḡḡḡ mwardi spuda: ri:de:re ri:de:re ridi ride wide:re vedere vjodi vedḡa aḡdi:re udire uldi: kuḡide kwidar kujda odo:ra:re odorare kḡēḡḡ dormi:re ḡḡmiḡ dormir dormire ḡḡmiḡ durmir durmi dwakmi durmi: dormi okki:de:re utḡidere utḡide di:widere dibidir dividere diviḡir dibidi dividi divide skindere sēḡe ḡindere ḡindere fḡḡḡ ender fēḡdere fēḡḡ fēḡer fēḡḡḡ pḡḡḡḡ ra:de:re radere rada: rade fodere nadar nadaḡ nəḡa nada: andar andare ēḡdar ēḡdar ekstendere etḡḡḡ ekstender estendere istēḡḡ iḡtēḡḡ əstendḡḡ ekstinde sede:re sedere seḡḡa sedenta:re tḡḡḡ kadere kadere ḡjade kəḡḡa dare dar dare ḡar ḡar ḡar da: da dona:re ḡone donar donare doa duar duna dine dona: epḡḡḡ etḡḡḡ limpidare kudḡ di:kere diḡ deḡir dire dizer dizer di diḡ di: ludere ludir arde:re aḡḡ arder ardere aḡḡ arder inkendere ēḡḡḡe enḡender inḡendjare isēḡjar ənsendḡḡ inḡindḡe todo todḡ dut grandem grande grande grēḡi gurdus

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 ɹidōdu 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 femer femjə fembra femeje mulierem muxer moʎle muʎer muʎer muʎe mujere dōne infantem infante fante nenēj nenēj nen epuz esposa epu esposo matrem meʁ maðre ma:dre meʁ patre peʁ paðre pa:dre nema:l nɔmajɛ piskem peθ peʃfe peʃ peʃte awem abe awikellum useʎ passerem passero pasəre kanem kane kijne pɛdukʎus pedoli pədukje serpentem seʁpɔ seʁpjente serpente seʁpɛʃi səʁpen ʃaʁpe wermem veʁ berme verme veʁmi vermi vjerme arborem albero arbore selba selva selba selve se:men seme sementis simjente semente semēʃi səmen sementʃe fwee fɔaje frondea ra:di:kem ra:di:ke radi:ʃe kortikem kortiʃe kortikea korteθa kortettʃa skortea ekos skwartse flo:rem fjo:re floare herba jerba eʁvə erbə jarbe gramen fu:nem fune funje restem ʁeʃti kotenna pellem pjel pelle peli peʎ pjele karnem karne karne karne wi:wenda bibjenda sangʷinem sangre sangwe weso adepem adipe gref webo kwerno penna peɲa penna penə penə pen pene pelo pelo pelu kabejo kapello kabelu kəβelu kaβeθa kavettʃa kabesə kəβesə testa testə teste orexa orekkja oreʎə orele ureke ne ne nariʃe goʎe dentem djente dente dinte ungje pedem pie pie pie:de piez jambe perna pjerna petiolus peθiolo genikulum zueʎu dʒenoli dʒenunkʲ el el ale wentrem bjentre bentə vintre pantikem pantse pintʃe intera:nea entɾaɲa kwejo dwes epol espalda spate seno seno sen pektus peʃfo pjept kwore anime fegato feɟə so:lem sole sqare soreli lune etwal estreja stella istrelə ɪʃtreʎə stele age ploje plɔaje flu:men fjume ɹivjɛʁ mare mare meʁ mare sa:lem sale se sare petra pjeʁ pjeðra pedrə peðrə pje:re lapidem laude lapide arena ərenə pulwerem polvere pulbere terra teʁ tjera teʁə tjere nube nube ka:li:ginem kalidʒine nebula njebla nebbja newlə negurə tene:braj te:nebre tene:bra:s tenəbɹ tinjeblas te:nebre tənəbrəs fyne fumate θjelo ʃjer wentum bjento ben niwem njebe neve new gelu: jelo dʒer glaʃe fwego kinerem ʃenere θeniθa ʃenuʃə estrada montem monte monte monta:nea mɔntajɛ noctem noʃe nɔtte nɔapte zuʁne dʒornade no:men no:me nume no:minem nombre lengwa bibere beber bere bebeʁ biʃer bevi komedere komer kome kumer manduka:re mɔʒe mandʒare morde:re morðer mɔrdere moʁdeʁ muʁðer morsika:re morsikare murseka su:gere syse suɟe konspuere kɔʃpye eskupir sputere esputar sputare womere vɔmere vɔame suffla:re sufle soffjare sufle respi:ra:re respirar respirare ʁespirar respira: ri:de:re reir ri:dere ride wide:re ber vedere veʁ ver vedɛa aʎdi:re udire ski:re sapere saber sapere sabeʁ seber kogno:skere konothər konoffere koɲesəʁ kupiser kungʌʃte ko:gita:re kuide kodʒitare kuɟeta pe:nsa:re pɔse pensar pensare pɛse peɲsa: senti:re sentir sentire olere oler olire odor:re odorare fra:grare fləʁe fragrare time:re temer temere teməʁ timer temə temi teme tremere tremer tremare tremer trimer dormi:re dormire wi:were vivere viveʁ viver morire moʁeʁ muʁer neka:re nwaje neka anegar annegare tʃe tuwe makta:re mate okki:dere utʃidere utʃide pugna:re puɲɲare battuere battere bateʁ bəter bate bate kaptia:re ʃase kattʃare pulsa:re puse pulsare seka:re sje segar segare segaʁ sea: kurtare ekskurtare ekuʃte skortare ta:lia:re toje taʎʎa:re di:widere dividere divide skindere sɛde ʃindere findere ender fəndere fədeʁ fəder parti:re parti:re se:para:re səvə separar separare separaʁ separa: separa pungere punɟere punɟe jugula:re zygye jugula:re ra:dere raer radere ʁaʁ ʁeʁ rade ʁəze rasare fodere kawa:re ʃəve kavare ekskawa:re eskabar skavare nata:re nɔtare naviga:re naze nabegar navigare wola:re vole volare vɔle zvolare ʃəmine kamminare ʃimine maʃe mergere merɟere merɟe amb ita:re andare weni:re benir venire veni ekstendere etɔðk ekstender estendere istədeʁ ɪʃtəder əstendə ekstinde jake:re zeziz jaθer dʒaʃe:re zəzəʁ zəzer dʒere jesi sedere seʁ seʁ seɟə sedenta:re sentar senta: sta:re estar stare leva:re ləve jebar levare levaʁ ləve leva: ose altsare torna:re tuʁne tornare tu:rne gyra:re ziʁe dʒirare viʁe virare viʁe torkʷ:re torθer tɔʃfere turser turser tɔartʃe kadere kaer kadere tʃjade tɔbe tume dare dare dona:re dōne donare dine tene:re tener tenere teʁ ter tɛine segurar eksprimere eʁwəðk ekspremir spremere ɪʃpɹəmeʁ ɪʃpɹəmer əspremə esprimi skreme serrere serar seka serare seʁe θerar serrare sere appektora:re apretar stringere etwəðk estɹenir strindʒere stringe strindʒe frika:re fɹeje fregar fregare frea freka frika:re fɹote frettare fɹote lawa:re lave lavare lave tergere terɟere ekstergere estarsir ʃterɟe eksu:ka:re esuʃje affugare suwe limpida:re tira:re tiʁe tirare tire pulsa:re puse pulsare trahere trarre traze trezer traɟe impingere impindʒere impindʒe jakta:re zəte eʃar dʒettare dʒete lankea:re ləse lanʃare e:runka:re arrontʃare liga:re lie legar legare lea: lega apta:re ko:nsuere koser kufire kuzer kuzer ɔqase komputa:re kɔte kontare kɔte numera:re nɔbɹe noverare numera numera di:kere deθir dire dizer dizer ziʃe ekspɔ:nere sporre spune kanta:re ʃəte kantare tʃəte lu:dere joka:re zve dʒokare dʒuwe flu:ktua:re flyktʃe fluttuare fluita:re fluitare fluere flye fluire ko:la:re kule kolare kɔle ekskurrere eskurir skorrere ɪʃkoʁeʁ ɪʃkureʁ skurɟe kurrere koreʁ korrere koʁeʁ kuzer kurɟe gela:re zəle elar dʒelare dʒale glakia:re glase gjattʃjare inglakia:re ingetsa infla:re əfle enfiare əfle enfla: konfla:re gɔfle gonʃjare gɔfle intume:skere entumeθer itumeser itumeser kre:ske:re kreθer kreffere kreseʁ kriʃser kreʃə kreʃte krema:re kɹəme kemar kremare kɹəmare kejmare kejməʁ flamma:re flame ʃjammare arde:re arder ardere aʁdeʁ ərder arde flagra:re flagʁe flagrare inkendere ɛsɔdʒe enθender ɪntʃendʒare ɪsəndʒar ənsəndɹ ɪntʃindʒe ustula:re ustolare alter grandem grande majjo:rem mare le epe espeso spesso ɪʃpesu grabe greve grew grew lerdo lerdo pekeɲo pekenu pikenu brewis brebe brew bɹeʃ etɹwa estrefo 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 aprøape pressus pøe beθino vefjin ðerka dekstrum
 djestro destrå djestri sinjestro sinestro sinestri vermikulus bermexo vermialloo vømælu rubeus rubeo rubeo ruðze wiridem
 vør berde verde verdi verde galben amarellus krokeus krofje dwo tres tre tres tres tref k'w:ink'we fjinjke ekkumhi:k
 k'w'em kjen tñine ke ke tfe tfe kome tñemut: nek ne en deintus avek et e e e e ke ke ke

fē:mīna fām femmīna fēmēv fēmjē fēmbra fōem fēmīnē fēmeje infāntem āfā infānte fānte ifēŋŋi ifēti efā fru:ktus fŋqi fruto
frutto frutē frutē frujt frȳ frut frukt folia fōej fōlāla fōlve fōlve fūlā fōj fwee fōaje frondea frondza frōsē frōsē frunzā
flo:rem flōx flōr fjo:re flōx flōr flō flōx flō:r flōare fu:nem fune funje œf u:f ca:f fi:ka:tum fwa fegato figēdu fȳēdu fedzā
fō:t fȳat:f fikat flu:men fjume flumi flumi flum fu:ma:ta fyme fumata fuma:ta fumasē fumasē fūmate ni:f ne:f fu:mus fumo
fumu fumu fum fum fūm fōkum fō fwego fwōko fogu fōyū fōk fō: fū:k fōk suffla:re sufle soffjare sufle sofla: suflla
fra:gra:re flēke fragrare flājra findere fādŋ fēndere fēdēx fēder fēndrā fēt fodere fwīx frika:re fŋeje fregar fregare frēga froj
frea freka iffriḡar iffriyār frikra:re fŋote frotar frettare fŋote frisar frāsa flu:ktua:re flyktŋe flugtwar fluttuare flutuax flutuar
fluktua fluctua fluitare fluitare fluere flye fluir fluire flwīx flwīr flui infla:re āfle enfiare imfla ēfle enfla: umfla konfla:re
gōfle gonfjare gōfle zgloŋfa: flamma:re flame fjammare flama flama: flagra:re flagŋe flagar flagrar flagrarē flagŋax flagar gŋijef
bŋef bŋef fri:qīdus fŋwa frio freddo friu friu frēt frwē frēt pu:f

pehõ u:he: herba hare:na kinoh hõ:si: trahere hebetem ekkumhi:k abhoc

io noi voi fe:mina femina femina femine mulierem domina infantem infante ifēfi nipo nino ispoza maxi mariðo marito maridu mariðu marit marit ispozu sokius mari pari animalia alimapa be:stia biſſa biſe biſe biſ piskem pejſi avi awikellum pidakkjo piołu piołu pedoli seſpēſi ſarpint veſmi aſvori ſilwa fſſſi ſementis ſimjente ſemēſi ſimēs grin folia raið ſais ſeiſ ſadi ſasin radeſſina kortikem kortiſe koſſiſi koſtisi kortikea koſſiſe kurtiſe riſta ſeſſi koðſe kodie peli kaſni bibjenda vivanda vivēda vivēde ſang^winem ſēgi adipe pilus kapillus fſivja kapitia o:rikla voli narið nariſe nariſ neriſ dēſi dint dinte piez petiolus peðiolo pitſſolo piſſjor genikulum inoxo đzinakkjo đzino đzenoli vintri vintre pantikem intera:nea iſpadwe iſpadwe ſinus ſi pi pit anima anime inimē iyaðo figedu figedu fſijat: fikat ſolikulus ſoreli iſtrele pluwia plſi flumi rio rio riw riw riw riparia riwſer riviſer riviſer lapidem lapide ariſa nu:biſus ka:li:ginem kalina kalidſine kalizēſ kelizēſ tinjeblas kajkia 'vint niwem nevi kinerem ðeniða fſinize wia bia via vie vie biā iſtrade iſtraðe kamino kammino kemipnu kēmi mōſſi nſi nit die:s dia di diē diē diā di zi diurnum diurna:ta nomi no:minem ling^aa lingwa limbā bibere bevi mwardi morsika:re morsikare kuſpiſ kuſpiſ eſkupir aſkupi vomix vo:mi respirar respirare ſespirar ſiſpirar rēſpira reſpira: rik reir rik rik riwra ridi wide:re vjodi wiſ oir udire owvir owvir ui auzi fti kinoh koposi ko:gita:re kuðide kwidar koðitare kuzitaſ kuzitar ſātiſ ſentiſ ſentire ſēſiſ ſētiſ ſēti ſēti ſinti: ſimtsi olire time:re temi trima: dōmxiſ dormir dormire dōmxiſ dormir dūmi dwaſmi dormi viw bibir vivere viwſer viwſer biwra vivi via muſix morir morire muri mōri muri tu:ta:ri ōkxiſ utſſidere ukſi utſſide batir bati kaptiare taliare di:widere dibidir dividere đzividix diviðir dibidi dividi divide skindere findere findere paſtiſ partiſ partire paſſiſ pertir pēti pēti pō:rti pūziſ pūzir puni fwix iſkevaſ iſkevar naviga:re navigare naviga: naviga ſəmine kaminar kamminare kemipnaſ kemipnar kəmina fſimine camina: ambita:re vōniſ benir venire viw vir bəni vini vjſi: veni iſtēðer iſtēder ekſtinde zezix jeſi zix xirar đzitare zirar zirar zira đzira: viſe birar virare virar zirar bira viſe đzira: kēir kēir dine tənix tani tini tinji ſtine ekſprimere ekſpremir iſprəmeſ iſpramer eſprimi ſtringere eſtrepir ſtrindžere aſtrižir aſtrižir ſtringe frika:re frikta:re friſar eſtarsir aſtərzi eſuſje limpida:re limpjar tira:re tiſe tirar tirare fſira tirar tira tire tira: impingere impindžere impindžer xita liga:re lie Āiya kuſſere kuſi kuſi diſ deðir dire dizer dizer di ziſe ludir fluita:re fluitare fluiſer flwix flwix flwir flui eſkurir iſkoveſ iſkurer kuſix kōri kori glakiare inglakiare inſlare inſjar enfiare imſla intume:skere inkendere inſſendjare inſſindžer omnis oſni altri alius grēðſi ſpiſſus iſpeſu iſpeſu grawiſ gwiſſer gravi grēvi pittitus pēti pētiſ piti 'pittinus pittino putſin pitulus pikkolo piſſul brewiſ brevi ſtriktus iſtrejtu minu:tus minuto miudu miuðu minu minu:t delika:tus delikato dēlikat ſutil ſottile ſuſſiw ſuſſiw ſuſtil ſu:t ſuſt ſire kalidus frigidus frio friu friu ſeſēſi ſeſēſi reſtint plin vjei putridus poðriðo putrido puðrit podri ſordidus ſordido ſordido ſordidu ſordidu iſpurku iſpurku dritto đzirejtu direjtu ritondo nitidus niðio u:midus umido umid ſikkus prokſimus proximo proſſimo proſimu proſimu proizme proſim beðino viſſino viſiſnu viſiſnu bēi vižē viſſin veſſin kirka đjetri ſiniſtrum ſinjetro ſinestro ſineſtri ſineſtri vermikulul vermiāλλo wiridem galbinus amarijo kwatri ðinko fſinſkwe ſinſk 'fſinſk fſinſk' aki kwi aki ēki aki illa:k ibi: vi ai ai ēi k^wiſ ki ki ki kwi fſine k^wið ki ni ni ni in in deintus dins i i i i ſi ſi ſi ſi ſi ſi ſi ſi ki

Appendix 4 - Words containing each segment

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jo jew femje femeje mujere omaj nɔmajɔ utʃjel ʃjɛ pjoxo pidɔkkjo pju pɔdukje serpjente sjɛrpɛ vjer vjer vjerme frujt simjente fɔej fɔaje fjo:re jep jarbe jarbɔ funje pjel pja pjel pjele vjɔd bibjenda pjuma ʃvivja orekkja ɔej ɔkkjo u:j gɔ:j djente ungja ungje pje pje pje:de pjerna pitʃjor ɟinɔkkjo bjentre ɔtʃaj pjept fija:t jubja pjodɔɟa ploje plɔaje fjume ɔivjɛr pjɛr pjeɔra pje:tra pje:re pjatrɔ so:vjɔ sabbja tjera tjere njebɫa nebbja tinjeblas sjel ʃjelo bjento njebe gjaʃʃa ɟurno skujpa soʃʃjare vjodi kujda flɔjra sje taje tɛji: taja: taja jugula:re jugula:re jake:re jesi ʃʃjade tinji esujje suja: limpjɔr jakta:re joka:re ɟuja: gjaʃʃjare gonʃjare ʃjammare ɛsɔɟje inʃʃendjare isɛɟar majjo:rem ampjo gɔijef reʃjente pje:no vjɔ bjexo vɛkkjo vjei djestro djestri sinjestro rubjo rɔbbjo kjen

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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 kɔʃʃisi kɔrtisi kortikea korteθa kortetʃa kɔʃʃise kurtise skorteɔ ekɔs skɔrtsa ɔskɔrsɔ skwas skwartse skɔartsɔ kwan kotenna kɔɟie kɔɟie konnɔ karnem karne karne karni karni karn karne sanʃ kɔ:ɟ kornu: kɔrn kwerno kɔrno kɔrnu kornu kɔrn kwen kwa:r korn kaɟda kɔ kola koda kaɟde kaɟde kua kɔw kɔde kapillus kabejo kapello kabelu kɛʃɛlu kɛbɛɫ kapitia kɛbɛθa kavetssa kabese kɛʃese kap kap o:rikla orekkja ureke okulus ɔkkjo bukka boka bokka bokɛ bokɛ bokɔ bok bukɔ kambɔ pɛkol genikulum ɟinɔkkjo pantikem kollum ku kwejo kollo kɔlu kɔlu kɔɫ kwel pektus kor kɔɛ kwɔre kɔɛ kor kor ku:ɛ ku:r fi:ka:tum fikat solikulus akkwa lakum lak ɫak lak lak saksum ka:li:ginem kalina kalidʒine kalizɛj kɛlizɛj kajkia kajlum fokum fwɔko fɔk fu:k fok kinerem kammi:num kamino kammimo kamijnɔ kɛmijnɔ kɔmi komedere komer kome kumer manduka:re mandukar minka morsika:re moskar morsikare murseka konspuere kɔspye kuspiɛ kuspɔr eskupɔr ɔskupi skujpa ski:re kogno:skere kɔnetɔ konoθer konoffere kopeseɛ kupiser kunɛʃ kinɔh koposi kunɔaʃte ko:gita:re kɔide kwidar kɔɟitare kuzitaɛ kuzitar kujda kuɟeta kɛdɛɛ neka:re neka makta:re okki:dere ɔksɔr uksi kaptia:re kaθar kattjare kasɔr kɛsar kɔsa seka:re kurta:re kortar kɔtar kurtar ekskurta:re ekurte skortare skurta: skurta skindere raskar ɔʃkaɛ ɔʃkar rɔska kosaɫ kusar kawa:re kabar kavare kɛvɔr kɛvar kɔba ekskawa:re eskabar skavare iʃkɛvɔr iʃkɛvar kaminar kamminare kɛmijnɔr kɛmijnar kɔmina ekstendere ekstender ekstinde jake:re kadere kaer kadere kɛir kɛir kawrɔ kɔɟa eksprimere ekspremir skreme appekto:re frika:re freka frikta:re ekstergere eksu:ka:re uska jakta:re lankeare e:runka:re arankar arunʃka ko:nsuere kudɛ koser kufjire kuzer kuzer kuzi kɔ:z 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:la:re kule kolar kolare koaɛ kuar kuɫa kɔle ekskurrere eskurɔr skorrere iʃkɔvɛr iʃkureɛ ɔskorɔ skori: skurɟe kurrere kuɔvɔr korer korre kɔvɛr kuɛr korɔ kɔri kori kurɟe glakia:re inglakia:re konfla:re intume:skere kre:skere kɔwatɔ kreθer kreʃfere kreseɛ kriʃser krefɔ kreʃte kremare krame kemar kremare kejmare kejmɔre krɔma inkendere okɛ alkuno paɟkus poko pɔko powku powku pɔk pɔ:k lunk ɫark lark krassus pekeɟo pekenu pikenu pikkolo kurtus kuɛ korto korto kuɔtu kurtu kurt ku:ɛ kurt striktus de:lika:tus delikato ɔlikat kalidus kaldo kaldo kawdu kaldu kaɫ kald rekentem vɛkkjo sporko ispurku ifpurku 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 ʃʃɔnkwe siku siku siɟk sɛk 'ʃʃɔnk ekkumhi:k aki kwi aki ɛki aki 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 ɔrel flo:rem flɔɛɛ flor flɔɛ flor flɔ flɔ:ɛ flɔ:r flɔare pellem pjel pelle peli peli pjel pjele kola plu:ma plym pluma plomɔ plɔm plume pilus pwal pelo pelo pelu pilu pɛl pɛl pɛl kapillus kapello kabelu kɛʃɛlu o:rikla orele okulus voli gula gɔel gola gola golɔ gɔle 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 iʃtreɛ ɔstɛl stɔ:l stele pluwia plɔi pluɟɔ plu:ɛ 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 njebɫa newlɔ tinjeblas kajlum sjel ʃjelo ʃjel sel ʃi:l gelu: ʒɛl jelo ɟelo glas glas glɛs glaʃʃe lingʷa lɔɟ lengwa lingwa ligwɛ ligwɛ lɛu 'lɛnge limbɔ suffla:re sufle sufle sofɫa: sufla uldi: olere oler olire ulura flɛɟa flɔjra pulsa:re pulsare pulsa: pulsa ta:lia:re jugula:re zygye jugula:re wola:re vole bolar volare bula vɔle zvolare zvola: leva:re lɔve levare levɔr livar lɔve leva: lua alθar altsare ɔlsa alʃa: lawa:re lave laʃar lavare levar levar lave lava: la limpida:re limpjɔr lipar lipar pulsa:re pulsare pulsa: pulsa lankeare lɔse lanθar lanʃare lɛsa lɛsar lanci: lanʃa: liga:re lie legar legare lɔji: lea: lega lu:dere ludir flu:ktua:re flyktɟe flugtwar fluttuare flutuɔr flutuar fluktua fluctua fluita:re fluitare fluere flye fluir fluire flwɔr flwir flui ko:la:re 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 ǎfle imfla ēfle enfla: umfla konfla:re gōfle gōfle zglon̥ʃa: flamma:re flame flama: flagra:re flag̥e flagrar flagrare flagv̥aʃ flagrar ustula:re ustolare multus molto molc molc mult alguno alkuno ǎlgu alter altro altr̥a altr̥i alt alius longus l̥s longo lungo lōgu lōgu lō lunk lung largus l̥aʒ l̥aʒo largo l̥aʒu largu lark larg lat̥us le lato lato latu latu lat amplus ǎpl ampl̥a lurdus l̥uʃ l̥erdo lordo l̥erdo l̥erdo pitulus pikkolo pit̥ʃul de:lika:tus d̥el̥aʃo delikato d̥elikat 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 lw̥ēt̥ē 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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f̥e:mina fam embra femmina fem̥e fem̥je fembra f̥oem femine femeje mulierem muxer moλλe muλeʃ muλer muλe muir mujere domina dam d̥oem d̥oamn̥a infantem mari:tus maʃi mariðo marito maridu m̥eriðu marit mari:t m̥arit ma:trem meʃ madre ma:dre m̥ēj m̥ēj mar̥a meʃ mari animalia omaj alimaʃa nema:l n̥omaje piskem awem awikellum passerem kanem serpentem wermem berme verme v̥eʃmi v̥er̥mi v̥er̥m v̥jerme arborem semen seme sementis s̥am̥s simjente semente sem̥t̥ʃi sim̥t̥i s̥amen sim̥s sement̥ʃe s̥amin̥t̥ʃa 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 pl̥om plume dentem pedem gamba gamba kamb̥a jambe gamb̥a genikulum manum m̥ē mano ma:no m̥ēw̥ m̥ēw̥ m̥ē maʃ min̥a wentrem pantikem kollum dorsum anima ǎm 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:mus 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 montajna montajna m̥ōt̥ēʃe m̥ōt̥ēʃe muntajna m̥ōtaʃ m̥ontajne 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 m̥aʃza maʃi: maʃja: m̥inka morde:re moʃd̥aʃ moʃd̥er m̥ordere moʃd̥eʃ m̥ur̥d̥er m̥wardi morsika:re moskar morsikare mus̥aʒa mus̥aʒar mus̥aʒa 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 d̥om̥iʃ dormir dormire d̥om̥iʃ durmic durmi dw̥aʃmi durmi: dormi muʃiʃ moriʃ morire moʃeʃ muʃer muri m̥ōri 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 eks̥pre̥miʃ sp̥rem̥ere iʃp̥rḁm̥eʃ iʃp̥rḁm̥er ǎsp̥re̥m̥a es̥prim̥i skreme limpida:re lim̥paʃ impingere impin̥ʒere ǎm̥peʃa 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 verm̥iλλo v̥eʃm̥eʃu v̥ir̥m̥eʃu b̥er̥m̥eʃ 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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no:s nu nos no:i noʃs n̥oʃ no no: noʃ f̥e:mina femmina femine domina d̥onna done done d̥on̥a done d̥oamn̥a infantem infante fante niʃo nino nen̥ē nen̥ē nen sponsa sponsus animalia nema:l n̥omaje kanem kan kane can kijne serpentem serpjente serpente s̥arpen sarpint se:men sementis simjente semente s̥amen sement̥ʃe s̥amin̥t̥ʃa gra:num g̥v̥en grano grano grin gran frondea frond̥a frun̥z̥a ra:di:ki:na ʃasin ʃesen r̥ad̥aʃiʃna gra:men g̥v̥amen fu:nem fune funje kwan kotenna kon̥n̥a karnem karne karne k̥aʃni k̥arni karn karne wi:wenda bibjenda vivanda sangʷinem sangwe sin̥ʒe kornu: k̥oʃn k̥werno k̥orno k̥oʃnu kornu k̥orn 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 p̥eʃn̥e p̥eʃn̥a genikulum z̥ənu inoxo d̥ʒin̥k̥k̥jo z̥ənoʃ d̥ʒino d̥ʒenoli d̥ʒenul' manum mano ma:no min̥a wentrem bjentre bentr̥a vintri vintre pantikem pan̥θa pan̥ʃa pantse pint̥ʃe intera:nea entr̥aʃa ǎn̥traʃa sinus seno seno sen san anima anime inim̥a lu:na lyn luna luna λ̥un̥a l̥on lune lun̥a flu:men hare:n̥a arena ǎren̥a arin̥a savalon nu:be:s ny nube nube nuv̥ēj nuv̥ēj nu:bilus nublo nuvola nuvol nu:l nor ka:li:ginem kalina kalid̥ʒine nebula n̥jeb̥la nebb̥ja n̥ev̥w̥e n̥ev̥w̥e new̥l̥a negur̥a tene:braj t̥e:nebre tene:bra:s teneʃ tin̥jeblas t̥e:nebre t̥e:nebr̥as wentum bjento vento ben 'vint vint niwem n̥jebe neve n̥eʃi n̥eʃi new ni:f ne:f n̥eʃa kinerem f̥jenere sendr̥a θeniθa f̥jinize f̥ʃenuʃa kammi:num kamino kammino montem monte monte mun m̥ont munte monta:nea montajna montajna muntajna m̥ontajne noctem n̥ʒi noʃʃe n̥otte noʃti noʃti nit nyt n̥oʒapte diurnum d̥jurno d̥ʒorno z̥oʃn z̥oʃna z̥oʃna diurna:ta z̥uʃne xornada d̥ʒornata d̥ʒornade annuo annu ɐnu ɐnu an no:men n̥ō no:me nomi nomi n̥om n̥ō n̥oʃ n̥ume no:minem nombre lingʷa lingwa 'l̥enge manduka:re mandukar mand̥ʒare m̥inka konspuere kogno:skere k̥on̥et̥r̥ k̥onoðer konoffere kun̥eʃ kin̥oʃ kun̥oʃʃte pe:nsa:re pensar pensare p̥ansa senti:re sentir sentire s̥anti sinti: neka:re nw̥aje 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 isendʒiar 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 plē:nus lēno 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 nēt niðio netto nēdʒu nēdʒu nēt nēt neted wi:ki:nus beθino viʃfino viʃfin veʃfin lontano lunta lontan sinistrum sənəstɪ sinjestro sinistro galbinus zən džen 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

O 006F

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jo io jo nos no bos vof vos vose voste moʎa domina doja done done nijo nino sponsa esposa ispoza iʃpozə mariðo marito sponsus esposo spəzo ispozu iʃpozu sokius səʃo sots omaj wazo utʃello paxaro passero pjoxo pidəkkjo pioʎu pioʎu poʎ pedoli arborem arβol albero aʁvori arbore palo palo fruto frutto grano grano folia oxa foʎe foʎe frondea frondza kortikem kortiʃe kortikea korteθa kortetʃa koʃʃise skortea ekoxs flor floʁ flor kotenna koʃʒe kodie konnə po ossum weso əsso osu osu os webo wəvo ovu ovu ow kornu: kwerno kərno koʁnu kornu korn kola koda plomə pelo pelo kabəjo kapello oʁej orexa orekkja oreʎe orejʎe orele okulus oxo əkkjo oʎu oʎu voli ok' naso na:sə boka bokka boke boke bokə gola gola golə perno petiolus peθiolo pittʃolo pekol pitʃor inoxo dʒinəkkjo zənoʎ dženoli 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 fəyʉ fok kamino kammino montem monte monte monta:nea montəna montəʃna noctem noʃe dʒurno dʒorno zorn xornada dʒornata dʒornade aʒo anno nomi nomi nombre komedere komer kome mordre: moʁdɪ moʁðer moʁdɛʁ morsika:re moskar morsikare konspuere womere vomix soffjare sofʎa: vjodi oir owvix owvir kogno:skere konoθer konoffere kopesəʁ koposi koʒitare ole:re oler olire odo:ra:re odorare dormi:re dormir dormire doʁmɪx dormi morir morire moʁɛʁ okki:dere kortar kortəʁ skortare kosaʃ fodere nwotare wola:re vole bolar volare voaʁ 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 zogəʁ kolar kolare koaʁ skorrere iʃkoʁɛʁ əskorə skori: korer korrere koʁɛʁ korə kori konfla:re gonʃare zgloʃa: ustolare omnis oʒni todo tutto todʉ todu tot tot muʃo molto mol molc tanto tanto okəʎ 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 gʁo grəssə grosu grosu gros lerdo lordo lerdo lerdo pekepo pittfino pikkolo korto korto angosto angusto estretʃo stretto menudo minuto delyaðo delikato sottile ʃo kaldo kaldo frio freddo lēno pje:no nowus nuvo nweβo nōvo novu novu now bjexo vekkjo bonus bweno bwə:no malo malo poðriðo putrido poðre poðri poðri sordidus sordido sərdido spəʁko dritto rotundus redondo ritondo rədo ayaðo retuzo soave niðio netto umido seko sekko korre:ktus korretto proksimus proximo prəssimo prosimu prosimu proizme prosim adpropre presso beθino viʃfino lontano lontan djestro destro sinjestro sinistro roxo rosso ʁoʃʉ ʁoʃu ros roʃu bermexo vermiʎo rubjo rəbbjo rubeo rubeo zən 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

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sponsa epuz esposa spəza ispoza iʃpozə əspəzə sponsus epu esposo spəzo ispozu iʃpozu əspəs spo:s patre peʁ paðre pa:dre paj paj paʁ pa:ʁ pari piskem peθ peʃʃe pejʃi pejʃi peʃ pəs peʃte pwasə pehə passerem paxaro passero paseru pasəru pasəre peduklus pu pjoxo pidəkkjo pioʎu pioʎu poʎ pju pedoli pədukje serpentem sɛʁpə serpente serpente sɛʁpəʃi sirpəti sərpen sjɛʁpə sarpint farpe pa:lus pal palo palo paw paw pal pa:l par jep pellem po pjel pelle peli peli peʎ pja pjel pjele adepem adipe plu:ma plym pluma pjuma plomə pləm plume penna pen peʒa penna penə penə peʒə 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 pɛʁnə pɛʁnə pɛʁnə petiolus peθiolo pittʃolo pekol pitʃor pantikem pəs panθa panʃa pəʃe pəʃe panʃə pəs pantse pintetʃe spatula epol espalda spalla iʃpadwe iʃpadwe əspaʎə spal spale spate pektus pi peʃo petto pejtu pejtu pit pet pjept apə pluwia plui pjodʒa pluʒə plu:ʁ ploje pləaje ri:pa:ria petra pjeʁ pjeðra pje:tra

Appendix 4 - Words containing each segment

pedre peðre peðrā pi:ʁ pje:re pjatrā lapidem lapide pulwerem pudʁ polvere polvar 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 puɲnare puɲa kaptia:re pulsa:re puse puxar pulsare puɟax puɟar pulsa: pulsa parti:re partix partir partire pakʃix
pərtir pərti pə:rti parti: se:para:re separar separare separax sipərar səpəra separa: separa pungere pʁwēdx punɟere pūɟix
pūɟir puɲi punɟe 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 impinɟere
əmpɛrə ɪmpinɟe apta:re komputa:re ekspo:nere sporre spune paɲkus pø poko pəko powku powku pək pō po:k amplus
āpl ampjo amplā spissus epe espeso spesso ispesu ifpesu əspes spe pittitus pəti pətit piti 'pittinus pekeɲo pitʃino pekenu
pikenu putsin pitulus pikkolo piɟul 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 prōssimo prosimu prosimu
proizme prosim adpropre əpɾɔp apɾəpe pressus pɾe pɾesso pɾe patru

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mulierem mui:r mujere mari:tus marito mari:t mərit ma:trem ma:dre mari patre pa:dre pɛ:r pari passerem passero
serpentem serpente sarpen sarpint wermem verme vjer vjerme arborem arbul arbore fruktus frutto frut frukt grānum
grano grin gran griw frondea frondza ra:di:kem raiθ ərel 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 grāmen restem rēsta karnem karne karn ca:r
kornu: kōrno kōrn kwa:r korn o:rikla orekkja orele ureke nariʃe na:ris perna perno pərnə piʃɟor 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 polvar pulbere terra tjera tērra tērə tjere tsarə nor negurə tene:braj
tə:nebre tene:bra:s tə:nebre ɟer kinerem ʃenere sendrə stra:ta strada diurnum ɟorno diurna:ta ɟornata 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:tari makta:re okki:dere pugna:re puɲnare battuere battere kaptia:re kattʃare pulsa:re pulsare seka:re
segare kurtare ekskurta:re skortare skurta: skurta ta:lia:re ta:ʎa:re di:widere dividere skindere ʃindere findere fendere
parti:re partire pərti parti: se:para:re separare separa: separa pungere punɟere 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 merɟere merɟe ambita:re andare weni:re ekstendere estendere jake:re ɟere sede:re sedere sedenta:re stare stare
levare levare altsare torna:re tornare turna tu:rne torna: turna gya:re ɟirare ɟira: virare ɟira: 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 strinɟere əʃtriɟir əʃtriɟir stringe strēngi: strinɟe
frika:re fregare froj frea freka frikta:re frettare frisar lawa:re lavare tergere tərɟere ekstergere əstərɟi ʃterɟe eksu:ka:re
aʃɟugare limpida:re tira:re tirare tire tira: pulsa:re pulsare trahere trarre traj tradʒe impingere impinɟere jaktare ɟettare
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 ɟokare flu:ktua:re fluttuare fluita:re fluitare
fluere fluire kola:re kolare ekskurrere eskurir skorrere əskorə skori: kurrere korer korrere korə kori gela:re ɟelare
glakia:re gʃatʃjare 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 inʃendjare ustula:re ustolare ustura alter altro altri grandem
grande gran grant majjo:rem largus largo lark larg krassus grasso gras gras gurdus grossus grōssu 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 reʃjente retsint reʃe putridus putrido putred putrem sordidus sordido spurcus s
pōrko spōrk spurk di:re:ktus dritto drō: drēt drept rotundus redondo ritondo rədo rō tarənt rətund retu:sus retuzo
korre:ktus korretto proksimus prōssimo prosim adpropre apɾəpe pressus pɾesso pɾe kirka dekstrum dēstro djestri sinistrum
sinestro sinestri russus roxo rosso ros rəs vermikulus vermi:ʎo bərməʎ rubeus rubjo rəbbjo rubeo rudʒe rəʃ rojb
wiridem verde vert amarellus krokeus krotʃeo tre:s tre tɾes trō: 'tre: trej k^wattwor kwattro kwatri patru

S 0073

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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 pēs pwasō useʎ passerem passero paseru paseru pasere
peduklus serpentem sɛrpā serpjente serpente sɛrpēʃi sirpēti sərpen sjəpē sarpint silwa selba selwa sɛwva sɛʎve selba
selve pa:lus fruktus se:men seme sementis sēmās simjente semente semēʃi simēti səmen simēs sementʃe səminʃə frōsə
frōsə ʁais ʁasin ʁesen kəʃʃisi kərtisi kəʃʃisə kurtisə skortea ekōxs skōrtsa əskōrsə skwas skwartse skɔartsə restem rista
resta sang^winem sā sangre sangwe sēgi sēgi 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 kabese keþese testa testa tēte testā fēs teste tēastā okulus na:sus naso na:so nas na:s nas naris naris petiolus pās pēse pās dorsum dōso dos dwes spatula espalda spalla əspaʎʎa spal spale spate sinus sē seno seno seju seju si sen san pektus so:lem sol sole sōw sōl sōl sōl sōare solikulus sōlej soreli stella estreja stella istrele əstel stō:l stēle stēa ri:wus sa:lem sel 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 tēves tēnebrās fumase fumase sjel sew sew sel si:ɣ glas glas glēs fu:mus sādɣ sendrā sē:d sīze sīze strata estrada strada istrade die:s morsika:re moskar morsikare musəga musəgar musəya murseka su:gere syse sugaɣ sugaɣ sysi: suǰe konspuere kōspye kuspīɣ eskupir əskupi skujpa sputere esputar sputare spuda: suffla:re sufle soffjare sufle sofla: sufla respi:ra:re respirar respirare ɤespirar rəspira respira: ski:re sapere savwaɣ saber sapere sabəɣ səber səþe savō:r save: kogno:skere kəpesəɣ kupiser kənosī pənsa:re pāse pensar pensare pēsəɣ pēsar pənsa pēse penša: pəsa senti:re sātīɣ sentir sentire sēfjīɣ sētīr sēntī sēti sinti: simtsi əksīɣ uksi fase kasəɣ kesar kəsa fēsi: pulsa:re puse pulsare pulsa: pulsa sekare sje segar segare segəɣ siɣar səya sea: ekskurta:re skortare skurta: skurta skindere sēde se:para:re səvə separar separare separəɣ sipərar səpəra separa: separa rasar rasare rasa: raskar rəska kosaɣ kusar ekskawa:re eskabar skavare ekstendere ekstender estendere istēdeɣ əstendrā ekstinde jesi sede:re swəɣ ser sedere sēɣ 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 siguraɣ siɣurar eksprimere ekspremir spremere əspremə esprimi skreme serrere serar səra sərər səra serare səke serrare siɣar siɣar sere stringere estreɣir strindɣere əstreɣnə stringe strēngi: strindɣe frisar frəsa ekstergere estarsir əstərɣi eksu:ka:re esqije suwe suja: uska pulsa:re puse pulsare pu:si: pulsa: pulsa lāse lēsa lēsar lənsa ko:nsuere koser çase ekspo:nere sporre spune ekskurrere eskurir skorrere əskorə skori: skurɣe glase gləsa intume:skere itumeser itumeser kre:skere kresəɣ krifser ēsādje isendɣar isēdjar ənsendrā ustulare ustura omnis to:tus multus tantus paɣkus alius magnus longus largus la:tus amplus krassus graso grasso gras gras spissus espeso spesso ispesu ifpesu əspes spē gurdus grossus grōsso grosu grosu grəs grwəs gros grawis lurdus pittitus 'pittinus pitulus kurtus brewis angustus angosto angusto ingust striktus estreɣo stretto istrejtū əstret stō: strēt strimt minu:tus de:lika:tus subtilēm sutil sottile sufjīw sufjīw suptil su:ti suti:l subtsire kalidus frigidus ɤesēfjī ɤesēfjī 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 sənəstɣ sinjestro sinestro seftru seftru sipnestri russus rosso ros rəs vermikulus rubeus galbinus amarellus krokeus albus u:nus duo:s dos dojs dos duas duəs tres tres tres sək siku siku sinɣ sək kʷis deintus dins si:k si si si si si si si

t 0074

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tu: ty tu tu tu tu ty tu tu usted voste infanтем infante fante ifēti marit:us marito marit mari:t mərīt ma:trem patre tata tata tata tata tata tatā be:stia pefte uttfello serpentem serpjente serpente sirpēti sarpint fru:ktus fruto frutto frute frute frujt frut frukt sementis simjente semente simēti kortikem kortiɣe kōrtisi kortikea korteθa kortetfja kurtisə skortea restem rista rēsta ɤefti kotenna kapitia kavettsa testa tet testa tēte tēftə testā teste tēastā dentem djente dente dēti dint dinte pit petiolus pitfjōlo wentrem vātɣ bjentre bentrā vēt vintri vintre pantikem pintefje intera:nea ātraj entrəɣa itrēɣə ētreɣə əntrəɣə spatula spate pektus petto pejtū pejtū pit pēt pjept fi:ka:tum fegato fō:t fija:t fikāt ste:lla etwal estreja stella istrele iftrele əstel stō:l stēle stēa la:t petra pje:tra pjatrə terra tēɣ tjera terra tēɣ tēɣ tērā tēɣ tjere tene:braj tē:nebre tene:bra:s tenebɣ tinjeblas tē:nebre tēves tēveɣ tēnebrās fu:ma:ta fumata fuma:ta fumate ventum bjento vento vētu vētu 'vint vint gǰatfja strata estrada strada istrade iftrade montem monte mōti mōnt muntē monta:nea mōtəɣ montəɣa mōtəɣna mōtēɣə mōtəɣə muntəɣə mōtəɣ mōtəɣə noctem nōtte nojti nojti nit nyt nōt nōapte diurna:ta đornata sputere esputar sputare fti kōnetɣ kunqafte ko:gitare kođitare kuzitaɣ kuzitar kuđeta senti:re sātīɣ sentir sentire sētīr sēntī sēti sinti: time:re temer temere teməɣ timer temā temi teme tremere tremar tremare treməɣ trimer trima: tu:ta:ri tpe tuwe makta:re mate matar mataɣ mētar mēta uttfidere battuere batɣ batir battere bateɣ bēter batrā bate bati bate kaptia:re kattfare kurta:re kortar kōtəɣ kurtar ekskurta:re ekuɣte skortare skurta: skurta talia:re taje taxar taʎʎa:re taʎəɣ tēʎar tēʎa tēji: taja: taja fēt parti:re pərtīɣ partir partire pərtir pərti pə:rti parti: nata:re nware ambita:re ekstendere etādɣ ekstender estendere istēdeɣ iftēder əstendrā ekstinde sedenta:re sentar sētar sētar senta: sta:re etɣ estar stare iftar iftar əsta sta: sta torna:re tūne tornar tornare tōnəɣ turnar turna tu:rne torna: turna torkʷe:re tōɣdɣ tōrθer tōrfere turser turser tōrsə tōarfe tōbe tumbar tōbəɣ tōbar tumba tume tene:re tənīɣ tener tenere tēɣ ter tēni tini tinji appektora:re apretar epirtar epirtar stringere etēdɣ estreɣir strindɣere əftrizir əftrizir əstreɣə stringe strēngi: strindɣe frikta:re fɣote frotar frettare fɣote tergere tēdɣere ekstergere estarsir əstərɣi fterdɣe tira:re tise tirar tirare tirar tira tire tira: trahere tēɣ trarre traze tēzer tēwəɣ traj tradɣe jaktare zote đettare zejtar zejtar xita đēte apta:re atar etar etar komputa:re kōte kontar kontare kōtar kōtar kumta kōte konta: kanta:re fāte kantar kantare kētar kētar kēnta fāte canta: kinta flu:ktua:re flyktɣe flugtwar fluttuare flutuəɣ flutuar fluktua fluctua fluita:re fluitare gǰatfjare intume:skere entumeθer itumeser itumeser kəwatɣ krefte ustula:re ustolare ustura to:tus tu todo tutto todū to: tot tō dut tot multus molto mūjtū mūjtū mult tantus tanto tētū tētū tant tanc alter otɣ otro owtru owtru altrā ot altri alt grant lat:us lato lato latu latu lat pittitus pēti pētit piti 'pittinus pitfjino pitulus kurtus korto korto kuɣtu 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 subtil̥lem 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 əgūt hebetem ɛbete retu:sus retuzo nitidus net netto net net neted korre:ktus korretto lw̥ētē lontano l̥unta lontan dekstrum djestro destro destr̥u deſtru destr̥a djestri sinistrum s̥ən̥est̥r̥ sinjestro sinistro seſtru seſtru sijestri v̥ert v̥ert tre:s t̥wa tres tre tres t̥ref tres tr̥ø: 'tre: trej k^wattwor kat̥r kwatro kwattro kwatru kwatru kwatr̥a kwat kwatri patru kwant f̥emu:t deintus et

U 0075

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nu vu bus tu tu tu tu tu tu tu tu uſted mulierem muxer muł̥eḡ muł̥er muł̥e muir mujere epuz mari:tus maridu m̥ariðu sponsus epu ispozu iſpozu sokius awikellum ut̥fello useł ut̥fel paſeru paſeru peduklus pu pioł̥u pioł̥u pju p̥adukje arvuri arbul pa:l̥us fru:ktus fr̥uto fr̥utto fr̥ute fr̥ute frujt fr̥ut fr̥ukt gra:num fuł̥a fr̥unz̥a kurtis̥e fune funje oſsum osu osu o:wum ovu ovu koḡnu koḡnu kua pluma p̥juma plume pilus pelu pilu kapillus kabelu k̥əbelu ureł̥a ureke okulus oł̥u oł̥u na:sus bukka buf buk̥a gula gur̥a ungula up̥a ungja up̥e up̥e əŋgule ungje petiolus genikum z̥ənu zueł̥u z̥w̥eł̥u đ̥enunk^l manum kollum ku k̥olu k̥olu dorsum spatula sinus seju seju pektus pejtu pejtu fi:ka:tum fig̥edu fiy̥eðu solikulus luna luna l̥uə l̥uə l̥un̥ə l̥un̥ə pluwia jubja juv̥e juv̥e pluž̥a fjume flumi flumi flum ri:wus k̥iu lakum lagu layu saksum seifu seifu laude sabulum saj̥bru saj̥bru sabula pulwerem pud̥r pulbere pulwus nube nube nuv̥ej̥ nuv̥ej̥ 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 f̣enuf̣a kammi:num kaṃju keṃju mun munte munṭaḡ diurnum zuḡ đ̣urno diurna:ta zuḡne annum ɛnu ɛnu nume kumer manduka:re mandukar mur̥der muṣəḡa muṣəḡar muṣəḡa murseka sug̣ar sugar cuca: suđ̣e konspuere kusp̣iḡ kusp̣ir eskup̣ir əskupi skuj̣pa sputere esputar sputare spuda: suffla:re sufle sufle sufla udire ui uldi: kup̣iser kuneţ̣a kuṇəţ̣te kuzitaḡ kuzitar kuj̣da kuđ̣eta ulura durmir durmi durmi: muḡiḡ muḡer muri muri: muri tuwe uṭfidere uksi uṭfide pugna:re puḡar puḡḡare puḡa battuere pulsa:re puse puxar pulsare puţ̣ar puţ̣ar pulsa: pulsa kurta:re kurtar ekskurta:re ekuḡte skurta: skurta pungere punḍere puḡi punḍe jugula:re kusar bula zbura lua tuḡne turnar turna turna turser turser tumḅar tumba tume duar duna segurar siguraḡ siḡurar affugare ɛfugar ɛfuyar əfuga suwe suja: uska pulsa:re puse puxar pulsare puţ̣ar puţ̣ar pulsa: pulsa e:runka:re aruḡka ko:nsuere kuḍr 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 flutuḡr flutuar fluktua fluctua fluita:re fluitare fluere fluir fluire flui kule kuar kuł̥a ekskurre eskurir iſkurer skurđ̣e kurrere kuḡiḡ kuḡer kurđ̣e umfla intume:skere entumeθ̣er itumeser itumeser ustula:re ustolare ustura to:tus tu tutto toḍu tođ̣u dut multus mu muł̥fo ṃuḡtu ṃuḡtu mult tantus ṭetu ṭetu alguno alkuno əlgu paḡkus powku powku owtru owtru alius magnus longus lungo ḷogu ḷogu lunk lung largus ḷəḡu ḷəḡu la:tus latu latu amplus ɛju ɛju krassus grafu spissus ispesu iſpesu gurdus grossus grosu lurdus luḡ pittitus 'pittinus p̣ekenu p̣ekenu putsin pitulus piḡul kurtus kuḡ kuḡtu kurtu kurt kurt angustus angusto ingust striktus istrejtu iſtrejtu minu:tus menudo minuto miudu miuđu mənut minu mərunt de:lika:tus dewgađu deł̣yađu subtil̥lem sutil suł̣iw suł̣iw subtil̥ suti:l subtsire kalidus kawdu kaldu fri:gidus friu friu ple:nus seju seju nowus nuvo novu novu wetulus ṿej̣lu ṿeł̣u bonus bun malus putridus putrido puðrit putred putrem sordidus ṣordidu ṣordidu spurcus ispuḡku iſpuḡku spurk dire:ktus đ̣irejtu direjtu rotundus ɛḍođu ɛiḍođu r̥atund aku:tus aḡuđu eḡuđu əgūt 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 viẓju viẓju ḷunta dekstrum destr̥u deſtru sinistrum seſtru seſtru russus ɛu ɛofu rofu vermikuḷus ṿeḡmeł̣u ṿiṛmeḡlu rubeus kuḡ rubjo rubeo rubeo ruđ̣e galbinus amarellus ɛmarelu ɛṃeṛelu krokeus albus awvu alvu u:nus uno uno un uḡ unu duo:s duaj due duas dụes dụeḡ kwatru kwatru patru siḡu siḡu ekkumhi:k kw̥eđu kw̥eđu komu komu kum nu deintus kum ku avu

V 0076

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vu voi ṿojs vof vos vo: voj vose ṿose voste avi avi ṿeḡ verme ṿeḡmi vermi ṿerm ṿjer ṿjer ṿjerme aḡvori arvuri selva seḡva seł̣ve seł̣ve ɛṿṇe ɛṿṇe ṿj̣aḍ vivanda viṿeđa viṿeđe ṿwes ẉoḡo ovu ovu ɣ̣əṿə ɣ̣iṿja cavej ɣ̣əṿe kavetṭsa voli ṿaṭṛ ṿeṭ vintri vintre juṿe juṿe ḳiṿj̣eḡ ṛiṿiḡ so:ṿj̣o savaḷṇ polvere polvar nuṿej̥ nuṿej̥ nuvola nuvol neḡẉe neḡẉe treḡves treḡṿej̥ ṿā vento ṿetu ṿetu ṿē 'vint vint neve nevi nevi ṿwa via ṿie ṿie bevi voṃiḡ ṿoṃere vo:mi ṿoame ṿwaḡ vedere ṿeḡ ver ṿiḡ ṿj̣odi veḍeə owṿiḡ owṿir saṿwaḡ saṿəḡ̣ save: ṿiṿḡ vivere ṿiveḡ viver vivi via dividere đ̣iḡiṿiđ̣iḡ diṿiđ̣ir diṿidi divide ṣəṿe ɣ̣əṿe kavare ḳeṿaḡ ḳeṿar ɣ̣ava: skavare iſḳeṿaḡ iſḳeṿar ɣ̣java: naviga:re navigare naviḡaḡ neviḡar naviga: naviga vole volare voaḡ ṿwar ṿole ẓvolare ẓvola: ṿəṇiḡ venire ṿiḡ ṿir ṿini ṿiji: veni leva:re ḷəṿe levare levaḡ livar ḷəṿa leva: ṿiḡe virare virar ṿiḡe lave lavare levar levar lave lava: noverare greve gravi gravi graṿ grevi breve brevi brevi nuvo ṇoḡo novu novu noṿe ṿj̣o ṿekḳjo ṿej̣lu ṿeł̣u ṿeł̣ vi: ṿjei ṿek^l soave ṿwaẓe ṿiḡj̣no viẓju viẓju viẓe ṿiḡj̣n ṿeḡj̣n vermikuḷus ṿeḡmeḡ ṿeḡmeḡ verde verdi ṿert ṿeḡ 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 bɛwɾɔ mwardi womere riwɾɔ wide:re vwak bɛwɾɔ wiɯ owviɯ owvir savwak kwidar dwaɯmi wi:were biwɾɔ nwaje tuwe di:widere pwɛdɛ rawɾɔ fwiɯ kawa:re ekskawa:re nwotare wola:re vwar weni:re zawɾɔ swak fwak kawɾɔ lawa:re suwe tɾɛwɾɔ zwe ɟuwe flugtwar flwiɯ flwir kɔwatɯ awgũ powku powku owtru owtru aw grwɛs grawis grew grew brewis brew etɯwa dewgadu suɟiw suɟiw kawdu fɾwa fɾwɛ nowus nweɟo nɔw now wetulus bweno bwɔ:no maw maw dɔwa sua:wem suaw wi:ki:nus vwazɛ lwɛtɛ wiridem awvu dowɔ tɯwa k ^w attwor kwatro kwattro kwatru kwatru kwatrɔ kwat kwatri ɟiŋkwe 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 fyne nyt syse sysi: kɔspye zyɣyle gyra:re flyktɥe flye mɔny		
Z	007A	48
epuz spɔza ispoza ifpoze ɛspɔzɔ spɔzo ispozu ifpozu wazo frunzɔ piez sizɛ sizɛ ɟinize zi aɣzi ɛɔze ɛɔzak ɛɔzar ɾaza zɟava: zvolare zvola: zɟura zɛziɯ zɛzɛɯ zɛzer zɛɟɛɛ traze tɾezer kuzer kuzer kuzi kɔ:z kuzi dizeɾ dizeɾ ziɟɛ zɟlonɟa: retuzo proizme vwazɛ viziju viziju		
ã	00E3	82
ɟɔp pɔs		
Ç	00E7	77
krɔ:ç		
Ǿ	00F0	49
mariðo mɛriðu maðre paðre iɣaðo fiɣeðu pjeðra peðre peðrɔ iftraðe morðer murðer diviðiɾ neðar toðu miuðu delyaðo deɟaðu poðriðu puðrit poðre poðri aɣuðu ɛɣuðu niðu		
Õ	00F5	60
pwasō pehō frōse frōse ōgl ōg so:vjō mōɟi mōti mōtaɲ mōtɛɲe mōtɛɲe mōtaɲ nō ōɾ 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 ɟəvø løn fø pø vjø dø		
ĩ	0129	42
ifɛɟi ifɛti itɾɛɲe sizɛ sizɛ kamɪɲu ligwɛ ligwɛ ɛɟɾizir ɛɟɾizir lipar lipar ifar ifar itumeser itumeser isendɟiar isɛdɟar siku siku si si		
ɲ	014B	75
saɲgre saɲ saɲk ɔɲgule maɲ aɲ nɔɲ lɛngwa maɲɟa: peɲsa: aɾuɲka zɟlonɟa: ɬoɲ iɲgust uɲ ɟiŋkwe siɲk ɟiŋk		
œ	0153	31
foem døem foɛj floɛɯ œf œj 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 keif kœtfise kurtise euvø erve grēmē grēmē kodzie kodie vivēde grafē grafē kauðe kauðe penø penø kœbelu kabesø kepesø testē testē 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 kelizēj 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 keer kœzar kejkar kevar kevar ifkevar ifkevar neðar neviyar kemijnæ kemijnar zœzœ zœzer keir keir œpirtar œpirtar lœvar lœvar trezer œtar œtar œder eγuðu emarelu emærelu dues duef 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 kœtfisi kœrtisi skœrtsa əskœrsə flɔ ɔs ɔsso ɔs ɔf wɔvɔ ɔw kœɳ kœrno kœɳ kɔw kɔde plɔm ɔraj ɔkkjɔ bɔk bɔce gɔle ɔɳgule pitfɔlɔ dʒinɔkkjɔ dʒinɔ kɔlu kɔlu kɔł dɔsso dɔ kwœre kɔx kœr sɔw sɔł sɔł sɔlɔ sɔlej savalɔn pɔlvar pɔ pɔ fwɔko fɔk mɔnt mɔntajne nɔtte nɔt zɔɳna zɔɳna nɔm nɔɳ mœrdere vɔmere kœnetx kinɔh dœmniœ mœri ɔksiœ vɔle tœdx tœtfere tœrsə dœne kœle kœri tɔ pɔko pɔk grɔsso grɔs nɔvɔ nɔw nœve bɔn bɔn sœrdido sœrdidu sœrdidu spœrko spœrk tarɔnt prɔssimo œprɔp rɔs rɔbbjɔ rɔf grɔk kœmɔ kœm kœmē		
ə	0259	4
zə dœnə dɔamɳə əspɔzə mœrit əspɔs marə parə tatə nœmajə pasœre pœdukje sœrpen abrə sœmɔs sœmen sœminfə fułə frunzə œrel rœdœfinə əskœrsə skœartsə erbə jarbə konnə ɔqadə plɔmə pœnə panə pœr fœvø kœbœł fœvø testə tœgastə urœłə bokə bukə golə gurə kambə gambə pœrnə zœnu zœnoł minə alə bentrə papfə œntrajə əspalłə inimə fedʒə lœnə lunə əstel ajɳwə apə plužə peðrə pjatrə œrenə arinə sorə tœrə tsarə newlə negurə tœnebœs tʃœɔtfə geatsə sendrə tʃenufə biə fœmē kœmi muntajə diə limbə bewrə mœɳzə musœga musœgar musœya əskupi rœspira riwrə bewrə sœfə kunefə pœnsa pœsa sœnti flœjra temə biwrə nœga mœta batrə kœsa sœya tœłə tœja fendrə pœrti sœvœ sœpœra rawrə rœza rœska fœve kœba nœda nœbœga fœmine kœmina vœniœ bœni œstendrə zœwrə zœtfœa œsta lœve lœba lœve əlsə tœrsə kawrə kœdœa tœniœ tœni ifprœmœ ifprœmer œspremœ sœrar sœra œftrizir œftrizir œstrejə frœga frœsa lœba œstœrzi œfuga trœwrə œmpœnə zœte lœnsa kœnta əskorə korə zœle zœla glœsa krejə krœma œnsendrə əlgu altrə amplə əspes pœti pœtit œstret mœny mœnut mœrunt dœlikat rœdo rœtund œgut œprɔp bœi destrə sœnœstx bœrmœł dowə kwatrə əłə œn kə kə		
ɛ	025B	32
femine efɔ pes pehɔ utfjello utfjel sjœxpœ verm vjer vjer sœwva sælve selve sementfje gœen œrel resen eɳb erba erve jep gœamen resta kefsti peli pjel fœx vwes gœes kwen kœde plume pen pœnə pene pel kœbœł fœve tet testa testē testē tʃes teste urœłə bœce dente ɔɳgule pœ pœ pœw pœrno pœɳnə pœrne pœrnə pekɔl kwel spalə petto pet əstel stele mœx sel peðrə terra tœx tœrə tjere nevwe nevwe tenebœ treves trevef sjel tʃelo sœw sœw sel vento nevi nevi zel dʒelo zœł gles sendrə tʃinize munte 'lœnge bewrə bewrə sœfə kœnetx kunefə flœke tʃesi: teji: fendere fendrə nœdʒi: mœrdʒere estendere etx es spremere sere œstrejə strengi: tœrdʒere tœx trœwrə œmpœnə dʒete intʃendjare ispesu əspes spœ grwœs gœijef greve grevi bœf breve brevi brevi œstret stret dœɳyadɔ fret frwœ reɳfente plœ plen nœve vœkkjɔ dret dret ebete net nœdʒu nœdʒu net net sek sek sef sek presso prœ destrə destrɔ dœftru sœnœstx seftru seftru vœkmej bœrmœł vert vœx vert dʒen emarelu emærelu tres kœ ɛ		
ʃ	025F	83
jambe manja: java: zjava:		
g	0261	1
ego: gra:num gœen grano grano grœw grœw gra grin gran griw gra:men gœamen grama grēmē grēmē gram sangre sangwe sœgi sœgi sɔ:g gœes grasa grafē grafē gref gula gœł gola gola golə gœ:j gœle gurə ungula ôgl ungja ôg ɔɳgule ungje gamba gamba gamba gambə genikulum fegato figedu agwe agwe age lago lago lagu ka:li:ginem negurə gelu: glas gjatfja glas gles glafje geatsə fwego fogu lœg lœngwa lingwa ligwe ligwe '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 zygyale jugula:re naviga:re nabegar navigare nəbəga naviga:re naviga mergere gyra:re segurar sigurax stringere stringe strengi: fregar fregare frəga iffrigar tergere ekstergere affugare əfugar əfuga impingere liga:re legar legare lega xugar zogax zuga flugtwar gela:re glakia:re glase gjattfjare gləsa glafja: inglakia:re ingetsa göfle gonfjare göfle zglongfa: flagra:re flagxe flagrar flagrare flagxax flagrar alguno awgū ałgū əlgu magnus grandem gʁā grande grande grēdʒi grēdi gran gʁā grant longus longo lungo lögu lögu lung largus largo lərgu largu larg gʁa graso grasso grafu gras gras gras gurdus gordo grossus gʁo grosso grosu grosu grəs grwəs gros grawis gʁijef grabe greve gravi gravi grew grav gravi grew angustus angosto angusto ingust dewgadu fri:gidus əgut galbinus galben grək

Y 0263 **85**

iyədo fiyeđu aywa ajoywə layu foyu musəya siyar səya naviyax neviyar siyurar iffriyar əfuyar liya zuyar laryo delyado delyado ayudo eyudo

U 0265 **69**

fxqi plqi nqi kqide tqe esqije flyktqe

i 0268 **45**

ifēti ifpozē ifpozu pejfi avi sirpēti vermi arvuri simēti səmintfə kōrtisi kēfti peli karni sēgi sindʒe pilu dēti minə pintefē iftrele flumi riw vint nevi mōti nojti nojti nomi bişer minka xişpirar ride kupiser timer trimer siyar sipərar naviyax neviyar iftar iftar livar sigurax siyurar siyar siyar epirtar epirtar strindʒe iffrigar iffriyar impindʒe kinta zilar zilar ingetsa krişer intfindʒe grēdi gravi pikenu brevi ingust iftrejtu strimt poðri kidoðu virmejlú verdi verdi ki kind in ki

I 026A **11**

çgi naris isendçiar

ı 026B **68**

səlvə səl zəl əlsa əlsar kuła flama ałgū ał delyado kał plə

ɲ 0272 **39**

dona niɲo alimɲa peɲa peɲə uɲa uɲə uɲə paɲfə entrɲa itreɲe etreɲe əntrɲə kamɲu kemɲu mōtaɲ montɲa montɲɲa mōtəɲ mōtəɲ muntɲə mōtaɲ mōtɲe ɲot apo aɲ mənza maɲi: kɔnesəx kupiser kɔnosi puɲar puɲɲare puɲa puɲi kemɲax kemɲar viɲi: estreɲi əstreɲə əmpeɲə oɲɲi maɲo maɲɲo pekeɲo ɲu:f vizɲu vizɲu siɲestri

ɭ 027B **92**

kosat

f 027E **29**

embra fembra muxer muʁer mariðo maridu mēriðu marit madre marə paðre parə paxaro pasəru pasəru pasəre serpjente sirpēti farpe berme vermi verm arbol albero əvori arvuri abrə par fruto frute frute frujt grano grēw grēw gra frōse frōse frunzə kōrtisi kortēθa kurtisə skoartsə flor fjo:re flor floare jerba erve jarbə grama grēmə grēmə gram rista karne karni karne sangre grasa grafə grafə gref kwerno kornu pər orexa oreʁə orejʁə ureʁə nariθ naris neriş gurə pjerna pərne bjentre bentrə entrɲa itreɲe etreɲe əntrɲə kor sqare estreja istrele iftrele mar mar pjeðra pedre peðre peðrə pjatrə arena areje eʁeje ərenə sajbɹu sajbɹu trevəs treveş tənebrəs ʃer estrada istrade iftrade djurno zorn xornada nombre beber bere bişer bəwrə komer kumer mandukar mandʒare mēzar mōðer murðer moskar morsikare sugar kulpir eskupir esputar sputare respirar respirare xişpirar xişpirar rəspira reir ri:dere xir riwrə ride ber vedere ver bəwrə oir udire owvir saber seber konoθer kupiser kwidar kuzitar pensar pensare pəsar sentir sētir oler ulura fejrax fejrar fləjra temer timer tremar treməx trimer dormir durmir bibir viver biwrə morir muʁer muri anegar matar metar utfiðere puɲar batir betər batrə kaθar kesar puxar puɲar segar siyar kortar kurtar taxar təʁar dibidir diviðir ender fēder fendrə partir pərtir separar separax sipərar səpəra pūʒir raer xəer rawrə rasar xəzar raskar xəskar kusar kabar kəvar eskabar iʃkəvar nadar nwotare neðar nabegar neviyar bolar volare vwar zvolare zbura kaminar kamminare kemɲar andar ēdar benir venire vir ekstender iftēder əstendrə jaθer ɟatʃe:re zəzer zawrə ser ser sentar sētar sētar estar iftar iftar jebar livar alθar əlsar tornar turnar xirar ɟirare zirar zirar zira birar virare virar zirar bira torðer kaer kadere kēir kēir tumbat tōbar dar dar donar duar

tener tenere ter segurar sigurak siyurar ekspremir æspremə serar sərar 0erar sizar sizar apretar ɸirtar ɸirtar estrenir æstreɲə fregar frəga iffrigar iffriyar frotar frisar frəsa la0ar ləvar ləvar estarsir ɛfugar ɛfuyar limpjar lipar lipar tirar ʃira tirar tira puxar pu0ar pu0ar traze trəzer trəwrə e0ar zejtar zejtar lan0ar ləsar arankar aruŋka legar atar ɛtar ɛtar koser kuzer kuzer kontar k0tar k0tar numera de0ir dizer dizer kantar kətar kətar ludir xugar zuyar flugtwar flutuar fluir flwir kolar kuar eskurir ifkurer skurd0e korer ku0er kur0e elar zilar zilar in0ar i0ar i0ar entumə0er itumeser itumeser kre0er krese0 kri0ser krefə krefte kemar kəjmare arder ɐrder arde flagrar flagrar en0ender isend0iar isə0jar ənsendrə otro owtru owtru altrə grande grə00i grə0i mare laryo largu ɭark graso grafu gras gordo grosu grosu grəs grabe gravi gravi grew grew lerdo lerdo lerdo korto kurtu kurt brebe brevi brew estre00i istrejtu iftrejtu əstret frio friu friu fret po0rido pu0rit po0re podri po0ri sordido sərdidu sərdidu ispurku ispurku 00irejtu direjtu dret proximo prosimu prosimu proizme əprəp 0erka djestro dəstru dəstru destrə sinjestro səstru səstru ro0u bermexo virməjɭu berde verdi verdi vət verde amarijo ɐmarelu ɐmərəlu grək tres tres tref kwatro kwatru kwatru kwatrə

mer vjer fry re:sen kro:ç ɔraj vi:r õr savø:r mɔri pɔ:rti ma:rʃi: tʃe:r sɛraç sere iʃkurer kɔri frwe

muḵer maḵi meḵ pek seḵrā seḵrēṭṭi sḵeḵrē veḵ veḵmi aḵbḵ aḵvori fiṭṭi ḡḡen kaiḵ ḡaiḵ baḵi baḵin koṭṭiḵi koṭṭiḡe ekos
 floḵ floḵ floḵ eḵb eḵḡe ḡḡamen ḡeṭṭi ḡeṭṭi seḵ kaḡni ḡḡes koḡn koḡnu oḡeḵ ḡeḡḡe vāṭṭi āṭṭai koḡ kōḵ kuḵ pluḵ ky kiḡ
 kiḡ kiḡḡe riṇiḵ meḵ maḵ meḵ ḡḡeḵ ḡiḵ ḡuḡḵ teḵ teḡe teḡe teḵ teḡeḡḡi siḵ sāḡḵ zuḵ zōḡḡa zōḡḡa zuḡḡe ḡḡaḵ beḡeḵ
 bōḵ mēzāḵ moḡḡḵ moḡḡeḵ suḡaḵ kuḡḡiḵ voḡiḵ ḡeḡḡirar kiṭṭirar kiḵ kiḵ kiḡ kiḵ vḡaḵ veḵ wiḵ owḡiḡi saḡḡaḵ saḡeḵ
 koḡṇeṭḵ koḡḡeḵ kuḡṭaiḵ ḡēsaḵ sāṭiḵ sēṭṭiḵ flēḡe seḡḡar teḡeḵ kōḡḡḡeḵ teḡeḡḡeḵ doḡḡiḡiḵ doḡḡiḡiḵ ḡḡaḡḡiḵ viḡḡiḵ viḡḡiḵ muḡiḵ
 moḡeḵ muḡeḡ maṭaḵ āḡsiḵ baṭḵ baṭeḵ kaḡaḵ ḡuḡaḵ seḡaḵ koṭṭaḵ eḡḡḡe taḡaḵ ḡḡiḡiḡiḡiḵ fāḡḡiḵ fēḡeḵ ḡaṭṭiḵ ḡaṭṭiḡiḵ sōḡeḵ
 seḡaḡaḵ ḡḡēḡḡiḵ ḡḡiḡiḵ kaḡeḵ ḡeḡeḵ ḡaḡeḵ ḡaḡaḵ ḡeḡaḵ ḡaḡḡaḵ ḡeḡḡaḵ fḡiḡiḵ kēḡaḵ iḡḡeḡaḵ naḡaḵ naḡiḡaḵ voaḵ kēḡiḡaḵ maḡḡe
 ēḡaḵ vōḡiḵ viḵ eṭāḡḡiḵ iṭēḡeḵ zeḡiḵ zeḡeḵ swaḵ seḵ eṭḡi leḡaḵ tuḡḡe toḡḡaḵ ziḡe viḡe viḡe tōḡḡiḵ fḡaḵ tōḡaḵ ḡaḵ tōḡiḵ teḵ
 siḡuḡaḵ ḡḡēḡḡiḵ iḡḡḡeḡeḵ seḡa seḡe siḡaḵ siḡaḵ eṭḡēḡḡiḵ fḡeḡe fḡoṭe fḡoṭe tiḡe tḡeḵ kuḡḡiḵ nōḡḡe ḡiḵ ḡiḵ zoḡaḵ flutuḡaḵ flḡiḡiḵ
 koaḵ iḡḡoḡeḵ kuḡiḵ koḡeḵ kuḡeḡ kḡḡaṭiḵ kḡeḡeḵ kḡaḡeḵ kēḡḡaḡeḵ aḡḡiḵ aḡḡeḵ flāḡeḵ flāḡḡaḵ oṭḡ ḡḡā ḡḡā laḡz laḡḡu ḡḡa
 ḡḡo ḡḡiḡeḡiḵ luḵ kuḵ kuḡṭu kuḵ ḡḡeḡiḵ ḡḡeḡiḵ eṭḡḡaḵ sṭōḡ: fḡiḡa ḡeḡēṭṭiḵ ḡeḡēṭṭiḵ ḡḡiḡa kō ḡeḡōḡu ḡiḡōḡu ḡḡe sōḡeṭṭiḵ ḡiḵ ḡoḡḡiḵ
 koḡḡiḵ veḡḡeḡiḵ veḡḡeḡuḡiḵ kuḡḡiḵ veḵ veḵ tḡḡaḵ kaṭṭi

naſ voſ iſpoʒe iſpozu biſſa biſe biſe peſſe peiſi peiſi peſ peſte ſjē ſarpe ʒeiſ ʒeiſſi ʒeiſti ſeʒ aſ graſe graſe gref ſəvə ſəve teſte neriſ buſ paſa iſpadwe iſpadwe iſtrele ſuve ſuve ſeiſu ſeiſu treveſ ſenuſa iſtraðe ſəmə kuſpir ʒiſpirar ſti konoffere kunəſa kunəſte ſejraſ ſejrar ſaſe puſaſ puſar ſindere ʒaſkaſ ʒeſkar ſəve iſkevaſ iſkevar ſəmine maſe iſtəder ſeðe iſtar iſtar ſwaſ iſprəmeſ iſprəmer əſtriʒir əſtriʒir iſfriḡar iſfriḡar ſterðe aſſugare əſugar əſuḡar əſuga puſar puſar ſāte iſkoʒeſ iſkureſ iſar iſar kreſſere kriſſer kreſa kreſte ʒuſ ʒuſu graſu iſpeſu iſtrejtu ſo ſeju ſeju iſpurku deſtru ſeſtru ſeſtru ʒoſʒ ʒoſu roſu dojſ duəſ tref ſi

kosu

moʻlle muʻleʻ muʻleʻ muʻle useʻ pioʻlu pioʻlu poʻl foʻlla foʻle foʻle fuʻle peʻl kaʻbeʻl oreʻle oreʻle uʻeʻle oʻlu oʻlu zuʻeʻlu
zweʻlu zeʻnoʻl koʻl əspaʻllə ʻluʻnə ʻlak taʻllə:re taʻlak teʻlar təʻla ʻləba ʻləba ʻlənsa ʻliya ʻloŋ ʻlark ʻleno veʻjʻlu veʻlu veʻl
ʻlunta vermiʻllo veʻkmeʻlu viʻrmeʻjʻlu bəʻrmeʻl əʻla

zə zə zəb zənu zuełu zwełu zənoł pluza kalizēj kelizēj zel zeł zuu zorn zəbna zəbna zuəne mǎže mēzak mēzar mǎrza
kuzitak kuzitar pūziz pūzir zygyłe naze zezik zezek zezet zawrǎ zıke zırar zırar zıra zırar əftrızır əftrızır əstǎrzi zǎte zejtar
zejtar zwe zoqas zuyar zuqa zuka zǎle zılar zılar zǎla ıntfındze lakz du:ze vizē kuiz zon

jo jerba kabejo kwejo estreja jubja jelo jaθer jebar amarijo aja

Appendix 4 - Words containing each segment

dz	02A3	71
frondza dzornade		
dʒ	02A4	10
dʒi kodʒiv sindʒe dʒāp dʒinokkjo dʒino dʒenoli dʒenunkʲ fedʒə pjoddʒa kalidʒine dʒelo dʒer dʒu: dʒorno dʒu: dʒornata mandʒare sudʒe kodʒitare kudʒeta dʒividʒiʁ 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 ʔsɛndʒiʁ 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 sɛxpɛtʃi semɛtʃi semɛntʃe sɛminʃə radi:tʃe rɛdɔʃinɔ kortitʃe kɔʃʃisi kortettʃa kɔʃʃisə ʁɛʃʃi tʃɔ: tʃivja tʃes naritʃe dɛtʃi pitʃɔlo piʃʃor pantʃa pintetʃe peʃo tʃɛatʃə tʃelo tʃi:l tʃer gʃattʃa glatʃe tʃenere tʃinize tʃenuʃə mɔʃi notʃe sɛʃʃiʁ maʃa: utʃidɛrɛ utʃidɛ katʃare tʃɛsi: caʃa: pɔʃʃiʁ tʃimine ma:ʁʃi: dʒaʃe:re zɔʃɛa alʃa: tɔʃʃere tɔartʃe tʃɛ:ʁ tʃjade tʃira tʃʃar lanʃare lanʃa: arrɔntʃare kutʃire zitʃe tʃɔtɛ gʃattʃare glatʃa: intʃar intʃɛndʒare intʃindʒe mutʃo antʃo pitʃino piʃʃul estretʃo suʃʃiw suʃʃiw tʃɔ rɛʃʃɛntɛ ʁɛsɛʃʃi ʁɛʃʃɛ tʃɛʃ viʃʃino viʃʃin vɛʃʃin rɔʃʃ krotʃeo tʃiŋkwe 'tʃiŋk tʃiŋʃ tʃine tʃe tʃe tʃemu:t		
β	03B2	67
arβol kɛβɛlu kaβɛθa kɛβɛsɐ saβbru saβbru biβɛr sɔβɛ laβar nweβo		
θ	03B8	57
peθ raiθ kortɛθa kaβɛθa nariθ peθiolo panθa θjelo θeniθa konoθɛr kaθar jaθɛr alθar torθɛr θɛrar lanθar dɛθiʁ ɛntumɛθɛr kreθɛr ɛnθɛndɛr rɛθjɛntɛ bɛθino θɛrka θinko		
ẽ	1EBD	64
tʃɛ sɛxpɛʃʃi siʁpɛti sʃɛxpɛ semɛʃʃi simɛti simɛs vivɛda vivɛdɛ dɛʃʃi dɛti dɛ mɛ mɛ ɛtrɛɲɛ sɛ vɛtu vɛtu vɛ pɛsar pɛsar sɛʃʃiʁ sɛtir kɛɛdɛʁ fɛdɛʁ ʔstɛdɛʁ ʔʃtɛdɛr sɛtar sɛtar ɛʃʃugar ɛʃʃuʃar ɛʃʃɛ ʔsɛdʒar ʁɛsɛʃʃi ʁɛsɛʃʃi 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-Gyrare	gyra:re	g-eeh-r-A-r-ay
ToTurnIntransitive-Torquere	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-Appetorare	appektora: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-Spurgus	spurgus	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	səmãs	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	gʁamen	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	oɤej	oh-rr-ayj
Eye	œj	uuh-jg
Nose	ne	n-ay
Mouth	buɸ	b-u-shh
Mouth-Gula	gœl	g-uuh-l
Tooth	dâ	d-NasalA
Fingernail	ôgl	on-g-l
Foot	pje	p-jg-ay
Leg-Gamba	zâb	gzah-NasalA-b
Knee-Genuculum	zœnu	gzah-aah-n-u
Hand	mê	m-ehn
Wing	el	ay-l
Belly	vâtɤ	v-NasalA-t-rr
Belly-Pantex	pâs	p-NasalA-s
Guts	âtɤaj	NasalA-t-rr-ah-jg
Neck	ku	k-u
Back	do	d-oh
Back-Spatula	epol	ay-p-oh-l
Breast	sê	s-ehn
Breast-Pectus	pi	p-e
Heart	kœɤ	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	plqi	p-l-eu-e
River-Rivus	ɤy	rr-eeh
River-Riparia	ɤivjɤɤ	rr-e-v-jg-ay-rr
Lake	lak	l-ah-k
Sea	mɤɤ	m-eh-rr
Salt	sel	s-eh-l
Stone-Petra	pjɤɤ	p-jg-ay-rr
Sand-Sabulum	sabl	s-ah-b-l
Dust	pudɤ	p-u-d-rr
Earth	tɤɤ	t-ay-rr
Cloud	ny	n-eeh
Fog-Tenebras	tenebɤ	t-ay-n-eh-b-rr
Fog-Fumata	fyme	f-eeh-m-ay
Sky	sjel	s-jg-eh-l
Wind	vâ	v-NasalA
Ice	zel	gzah-eh-l
Ice-Glacies	glas	g-l-ah-s
Fire-Focus	fø	f-uu
Ash	sâdɤ	s-NasalA-d-rr
Road	vwa	v-w-ah
Road-Camminus	ɸœmê	shh-aah-m-ehnn
Mountain	mô	m-oon
Mountain-Montanea	môtaɸ	m-on-t-ah-VdPalatalNasal
Night	nqi	n-eu-e
Day-Diurnus	zuɤ	gzah-u-rr
Day-Diurnata	zuɤne	gzah-u-rr-n-ay
Year	ɑ	NasalA
Name-Nomen	nô	n-oon
Tongue	lâg	l-NasalA-g

Appendix 5 - Word Lists by Language

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	kōnēꝛ	k-euh-n-eh-t-rr
ToThink	kꝛide	k-eu-e-d-ay
ToThink-Pensare	pāꝛe	p-NasalA-s-ay
ToSmell-Sentire	sātiꝛ	s-NasalA-t-e-rr
ToSmell-Fragrare	flēꝛe	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	nwaꝛe	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	baꝛꝛ	b-ah-t-rr
ToHunt-Captiare	ꝛase	shh-ah-s-ay
ToHit	puse	p-u-s-ay
ToCut	sꝛe	s-jg-ay
ToCut-Excurtare	ekuꝛte	ay-k-u-rr-t-ay
ToCut-Taliare	tꝛe	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	sōvꝛe	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	ꝛove	shh-aah-v-ay
ToSwim-Navigare	naꝛe	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-lacere	ꝛeziꝛ	gzah-ay-zz-e-rr
ToSit	swaꝛ	s-w-ah-rr
ToStand	ēꝛ	eh-t-rr
ToStand-Levare	lōve	l-aah-v-ay
ToStand-Altiare	ose	oh-s-ay
ToTurnIntransitive	tūꝛne	t-u-rr-n-ay
ToTurnIntransitive-Gyrare	ꝛiꝛe	gzah-e-rr-ay
ToTurnIntransitive-AncestralClass3	viꝛe	v-e-rr-ay
ToTurnIntransitive-Torquere	tōꝛdꝛ	t-euh-rr-d-rr
ToFall	ꝛwaꝛ	shh-w-ah-rr
ToFall-Tumbare	tōbe	t-on-b-ay
ToGive-Donare	dōne	d-euh-n-ay

Appendix 5 - Word Lists by Language

ToHold	tənik	t-aah-n-e-rr
ToSqueeze	epkēdɤ	ay-p-rr-ehnn-d-rr
ToSqueeze-Serare	səkɛ	s-ay-rr-ay
ToSqueeze-Stringere	etkēdɤ	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	tike	t-e-rr-ay
ToPull-Pulsare	puse	p-u-s-ay
ToPull-Trahere	tɛɛ	t-rr-eh-rr
ToThrow	zɔte	gzah-aah-t-ay
ToThrow-Lanceare	lase	l-NasalA-s-ay
ToTie	lie	l-e-ay
ToSew	kudɤ	k-u-d-rr
ToCount	kōte	k-on-t-ay
ToCount-Numerare	nōbɛ	n-oon-b-rr-ay
ToSay	diɤ	d-e-rr
ToSing-AncestralClass	ʃate	shh-NasalA-t-ay
ToPlay-Jiocare	zwe	gzah-w-ay
ToFloat	flyktɥe	f-l-eeh-k-t-eu-ay
ToFlow	flye	f-l-eeh-ay
ToFlow-Colare	kule	k-u-l-ay
ToFlow-Currere	kuxɤ	k-u-rr-e-rr
ToFreeze	zɔle	gzah-aah-l-ay
ToFreeze-Glaciare	glase	g-l-ah-s-ay
ToSwell	afle	NasalA-f-l-ay
ToSwell-Conflare	gōfle	g-on-f-l-ay
ToSwell-Crescere	kɤwatɤ	k-rr-w-ah-t-rr
ToBurn-Cremare	kɤame	k-rr-ah-m-ay
ToBurn-Flammare	flame	f-l-ah-m-ay
ToBurn-Ardere	aɤdɤ	ah-rr-d-rr
ToBurn-Flagrare	flagɛ	f-l-ah-g-rr-ay
ToBurn-Incendere	ēsadjɛ	ehnn-s-NasalA-d-jg-ay
All-Totus	tu	t-u
Many	mu	m-u
Some	okǣ	oh-k-uuhn
Few	pø	p-uu
Other	otɤ	oh-t-rr
Big-Grandem	gɤǣ	g-rr-NasalA
Long-Longum	lō	l-oon
Long-Largum	laɤʒ	l-ah-rr-gzah
Wide	le	l-ay
Wide-Amplum	āpl	NasalA-p-l
Thick	gɤa	g-rr-a
Thick-Spissum	epe	ay-p-ay
Thick-Grossus	gɤo	g-rr-oh
Heavy	gɤijɛf	g-rr-e-jg-eh-f
Heavy-Lurdus	luɤ	l-u-rr
Small	pəti	p-aah-t-e
Short	kuɤ	k-u-rr
Short-Brevis	bɤɛf	b-rr-eh-f
Narrow-Strictus	etɤwa	ay-t-rr-w-ah
Thin	məny	m-aah-n-eeh
Thin-Delicatus	du:ʒɛ:	d-U-gzah-ai
Warm	ʃo	shh-oh
Cold	fɤwa	f-rr-w-ah

Appendix 5 - Word Lists by Language

Full	plē	p-l-ehnn
New	nuvo	n-u-v-oh
Old	vjø	v-jg-uu
Good	bō	b-on
Bad	mal	m-ah-l
Straight	dɤwa	d-rr-w-ah
Round	ɤō	rr-on
Smooth-Nitidus	net	n-eh-t
Dry	sek	s-eh-k
Near-Pressus	pɤe	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	sənɛstɤ	s-aah-n-eh-s-t-rr
Red	ɤu	rr-u
Red-Vermiculus	vɤɤmej	v-eh-rr-m-ehj
Red-Rubeus	ɤuɤ	rr-u-gzah
Green	vɤɤ	v-ay-rr
Yellow	ɤon	gzah-oh-n
One	œ	uuhn
Two-Duos	dø	d-uu
Three	tɤwa	t-rr-w-a
Four	katɤ	k-ah-t-rr
Five	sēk	s-ehn-k
There	la	l-ah
Who-Qui	ki	k-e
What	kwa	k-w-ah
When-Quando	kā	k-NasalA
How-Quomodo	kōmā	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	dɔpa	d-oh-VdPalatalNasal-ah
Child	infante	e-n-f-ah-n-t-ay
Child-Ninnus	nipo	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
Father	pađre	p-ah-dd-er-ay

Appendix 5 - Word Lists by Language

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	pepa	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
Breast	seno	s-ay-n-oh

Appendix 5 - Word Lists by Language

Breast-Pectus	peŋfo	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	lengwa	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
ToThink-Pensare	pensar	p-ay-n-s-ah-er

Appendix 5 - Word Lists by Language

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	jebat	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
ToWash	laβar	l-ah-bb-ah-er

Appendix 5 - Word Lists by Language

ToWipe-Extergere	estarsir	ay-s-t-ah-er-s-e-er
ToWipe-Limpidare	limpiar	l-e-m-p-jg-ah-er
ToPull	tirar	t-e-er-ah-er
ToPull-Pulsare	puxar	p-u-xha-ah-er
ToThrow	eġġar	ay-ts-ah-er
ToThrow-Lanceare	lanċar	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	deġir	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	fluttwar	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	inġar	e-n-ts-ah-er
ToSwell-Intumescere	entumeġer	ay-n-t-u-m-ay-th-ay-er
ToSwell-Crescere	kreġer	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	enġender	ay-n-th-ay-n-d-ay-er
All-Totus	todo	t-oh-d-oh
Many	muġfo	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	anġfo	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	pekepo	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	estreġfo	ay-s-t-er-ay-ts-oh
Thin	menudo	m-ay-n-u-d-oh
Thin-Delicatus	delyaġo	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	reġjente	r-ay-th-jg-ay-n-t-ay
Full	ġeno	yuh-ay-n-oh

Appendix 5 - Word Lists by Language

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
Husband	marito	m-ah-r-e-t-oh

Appendix 5 - Word Lists by Language

Husband-Sponsus	spozo	s-p-euh-zz-oh
Husband-Socius	soʃo	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	biʃʃa	b-e-shh-shh-ah
Fish-Piskem	peʃʃe	p-ay-shh-shh-ay
Bird-Avicellum	utʃello	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-cr-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	fɔʌʌa	f-euh-yuh-yuh-ah
Leaf-Frondea	fronza	f-r-oh-n-VdPalatoAlveolarAffricate-ah
Root-Radix	radi:ʃʃe	r-ah-d-E-ts-ay
BarkOfATree	kortiʃʃe	k-oh-r-t-e-ts-ay
BarkOfATree-Corticea	kortetʃʃa	k-oh-r-t-ay-t-ts-ah
BarkOfATree-Skortea	skortsa	s-k-euh-r-VlAlveolarSibilantAffricate-ah
Flower	fjo:re	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	pjuma	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	kavettsa	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	nariʃʃe	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
Leg-Perna	perno	p-eh-r-n-oh

Appendix 5 - Word Lists by Language

Leg-Petiolus	pitʃɔlo	p-e-t-ts-euh-l-oh
Knee-Geniculum	dʒinɔkkjo	VdPalatoAlveolarSibilant-e-n-euh-k-k-jg-oh
Hand	ma:no	m-A-n-oh
Wing	ala	ah-l-ah
Belly-Pantex	panʃa	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	lago	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	te:nebre	t-Eh-n-ay-b-r-ay
Fog-Tenebras	te: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	fwoko	f-w-euh-k-oh
Ash	ʃenere	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
ToDrink	bere	b-ay-er-ay

Appendix 5 - Word Lists by Language

ToEat-Manducare	mandzare	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	kodzitare	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	taʃʃa: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	pundzare	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	zvolare	zz-v-oh-l-ah-er-ay
ToWalk	kamminare	k-ah-m-m-e-n-ah-er-ay
ToWalk-Mergere	merdzere	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
ToStand-Altiare	altsare	ah-l-VlAlveolarSibilantAffricate-ah-r-ay

Appendix 5 - Word Lists by Language

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-Torquere	tɔɾʃere	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	stringere	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-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	kufire	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	porre	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	colare	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	gʒatʃare	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	inʃendʒare	e-n-ts-eh-n-d-jg-ah-r-ay
ToBurn-Ustulare	ustolare	u-s-t-oh-l-ah-r-ay
All	onʒi	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	mappo	m-ah-VdPalatalNasal-VdPalatalNasal-oh
Big-Grandem	grande	g-r-ah-n-d-ay

Appendix 5 - Word Lists by Language

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	pje:no	p-jg-Eh-n-oh
New	novo	n-euh-v-oh
Old	vekkjo	v-eh-k-k-jg-oh
Good	bwo:no	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	εbete	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	vittino	v-e-ts-e-n-oh
Far	lontano	l-oh-n-t-ah-n-oh
Right-Dextrem	destro	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	vermiλλo	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	krofleo	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	ffinkwe	ts-e-nya-k-w-ay
Here	kwi	k-w-e
There	la	l-ah

Appendix 5 - Word Lists by Language

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	muʎer	m-u-yuh-ay-rr
Woman-Domina	done	d-oh-n-ahh
Child	ĩfɛʝĩ	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	mɛj	m-ahnjn
Father	paj	p-aj
Father-Tata	tata	t-ah-t-ah
Animal-Bestia	bife	b-e-shh-ahh
Fish-Piskem	peʝʃĩ	p-ayj-shh-e
Bird-Avem	avi	ah-v-e
Bird-Passerem	pasɐru	p-ah-s-ahh-er-u
Dog	kẽw̃	k-au_diphthong_nasal
Louse	pioʎu	p-e-oh-yuh-u
Snake	sɛkɐʝĩ	s-ay-rr-p-ehn-ts-e
Worm	veʁmi	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	frute	f-er-u-t-ahh
Seed-Sementis	semẽʝĩ	s-ay-m-ehn-ts-e
Seed-Granum	grẽw̃	g-er-au_diphthong_nasal
Leaf	foʎe	f-oh-yuh-ahh
Leaf-Frondea	frõse	f-er-on-s-ahh
Root	ʁais	rr-ah-e-s
BarkOfATree	kɔkʝisi	k-euh-rr-ts-e-s-e
BarkOfATree-Corticea	kɔkʝisɐ	k-oh-rr-ts-e-s-ahh
Flower	flox	f-l-oh-rr
Grass	ɛkvɐ	ay-rr-v-ahh
Grass-Gramen	grẽmɐ	g-er-ahn-m-ahh
Rope-Restis	ʁɛʝʃĩ	rr-eh-shh-ts-e

Appendix 5 - Word Lists by Language

Skin	kodʒiɐ	k-oh-VdPalatoAlveolarSibilant-e-ahh
Skin-Pellis	peli	p-eh-l-e
Meat	kakni	k-ah-rr-n-e
Meat-Vivenda	vivēda	v-e-v-ehn-d-ah
Blood	səgi	s-ahn-g-e
Bone	osu	oh-s-u
FatNoun-Crassia	grafɐ	g-er-ah-shh-ahh
Egg	ovu	oh-v-u
Horn	koʁnu	k-oh-rr-n-u
Tail	kaudɐ	k-au-d-ahh
Feather-Penna	penɐ	p-ay-n-ahh
Hair	pelu	p-ay-l-u
Hair-Capillus	kabelu	k-ah-b-ay-l-u
Head	kabese	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	boke	b-oh-k-ahh
Tooth	dēʃi	d-ehn-ts-e
Fingernail	uɲɐ	u-VdPalatalNasal-ahh
Foot	pɛ	p-eh
Leg-Perna	pɛʁnɐ	p-eh-rr-n-ahh
Knee-Geniculum	zueʎu	gzah-u-ay-yuh-u
Hand	mɛw	m-au_diphthong_nasal
Wing	a	ah
Belly-Pantex	pɛsɐ	p-ahn-s-ahh
Guts	itɛpɐ	een-t-er-ahn-VdPalatalNasal-ahh
Neck	kolu	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	kɔʁ	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	istrelɐ	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	ʁiw	rr-e-w
Lake	lagu	l-ah-g-u
Sea	maʁ	m-ah-rr
Salt	saw	s-ah-w
Stone	sejfu	s-ayj-shh-u
Stone-Petra	pedrɐ	p-ay-d-er-ahh
Sand	arejɐ	ah-er-ayj-ahh
Sand-Sabulum	sajβru	s-aj-bb-er-u
Dust-Pulwus	pɔ	p-euh
Earth	tɛʁɐ	t-ay-rr-ahh
Cloud	nuvɛj	n-u-v-ehnj
Fog	kaliʒɛj	k-ah-l-e-gzah-ehnj
Fog-Nebula	nevʋɐ	n-eh-v-w-ahh
Fog-Tenebras	trɛvɐs	t-er-eh-v-ahh-s
Fog-Fumata	fumasɐ	f-u-m-ah-s-ahh
Sky	sew	s-eh-w

Appendix 5 - Word Lists by Language

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	vie	v-e-ahh
Road-Strata	istrade	e-s-t-er-ah-d-ahh
Road-Camminus	kamīnu	k-ah-m-een-VdPalatalNasal-u
Mountain	mōŋi	m-on-ts-e
Mountain-Montanea	mōtēne	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	līgwe	l-een-g-w-ahh
ToDrink	bebeŋ	b-ay-b-ay-rr
ToEat	kome	k-oh-m-ay
ToEat-Manducare	mēzak	m-ahn-gzah-ah-rr
ToBite	moŋdeŋ	m-oh-rr-d-ay-rr
ToBite-Morsicare	musōga	m-u-s-aah-g-ah
ToSuck	sugaŋ	s-u-g-ah-rr
ToSpit	kuspiŋ	k-u-s-p-e-rr
ToBreathe	ŋespiŋar	rr-ay-s-p-e-er-ah-er
ToLaugh	ŋiŋ	rr-e-rr
ToSee	veŋ	v-ay-rr
ToHear	owviŋ	oh-w-v-e-rr
ToKnow-Sapere	sabeŋ	s-ah-b-ay-rr
ToKnow-Cognoscere	koŋeseŋ	k-oh-VdPalatalNasal-ay-s-ay-rr
ToThink	kuzitaŋ	k-u-gzah-e-t-ah-rr
ToThink-Pensare	pēsak	p-ehn-s-ah-rr
ToSmell-Sentire	sēŋiŋ	s-ehn-ts-e-rr
ToSmell-Fragrare	ŋejraŋ	shh-ayj-er-ah-rr
ToFear	temeŋ	t-ay-m-ay-rr
ToFear-Tremere	tremeŋ	t-er-ay-m-ay-rr
ToSleep	doŋmiŋ	d-oh-rr-m-e-rr
ToLive	viveŋ	v-e-v-ay-rr
ToDie	moŋeŋ	m-oh-rr-ay-rr
ToKill-Mactare	matak	m-ah-t-ah-rr
ToFight-Battuere	bateŋ	b-ah-t-ay-rr
ToHunt-Captiare	kasak	k-ah-s-ah-rr
ToHit	puŋak	p-u-shh-ah-rr
ToCut	segaŋ	s-ay-g-ah-rr
ToCut-Curtare	koŋtak	k-oh-rr-t-ah-rr
ToCut-Taliare	taŋak	t-ah-yuh-ah-rr
ToSplit	dziividziŋ	VdPalatoAlveolarSibilant-e-v-e-VdPalatoAlveolarSibilant-e-rr
ToSplit-Findere	fēdeŋ	f-ehn-d-ay-rr
ToSplit-Partire	paŋŋiŋ	p-ah-rr-ts-e-rr
ToSplit-Separare	separaŋ	s-ay-p-ah-er-ah-rr
ToStab	pūziŋ	p-ooo-gzah-e-rr
ToScratch	kaeŋ	rr-ah-ay-rr
ToScratch-Rasare	kazak	rr-ah-zz-ah-rr
ToScratch-Rasicare	kaŋkak	rr-ah-shh-k-ah-rr
ToScratch-Coctiare	kosaŋ	k-oh-s-ah-VdRetroflexApproximant
ToDig-Cavare	kevaŋ	k-ahh-v-ah-rr
ToDig-Excavare	iŋkevaŋ	e-shh-k-ahh-v-ah-rr
ToSwim	nadaŋ	n-ah-d-ah-rr

Appendix 5 - Word Lists by Language

ToSwim-Navigare	naviʏaʁ	n-ah-v-eee-juh-ah-rr
ToFly	voaʁ	v-oh-ah-rr
ToWalk	kəmiʏaʁ	k-ahh-m-e-VdPalatalNasal-ah-rr
ToWalk-Ambitare	ẽdaʁ	ahn-d-ah-rr
ToCome	viʁ	v-e-rr
ToLieAsInABed	istẽdeʁ	e-s-t-ehn-d-ay-rr
ToLieAsInABed-lacere	ʒəzeʁ	gzah-ahh-zz-ay-rr
ToSit	seʁ	s-ay-rr
ToSit-Sedentare	sẽtar	s-ehn-t-ah-er
ToStand	ɨʃtar	eee-shh-t-ah-er
ToStand-Levare	levaʁ	l-ay-v-ah-rr
ToStand-Altiare	alsa	ah-ssha-s-ah
ToTurnIntransitive	toʁnaʁ	t-oh-rr-n-ah-rr
ToTurnIntransitive-Gyrate	ʒiraʁ	gzah-c-er-ah-er
ToTurnIntransitive-AncestralClass3	viʁaʁ	v-e-er-ah-er
ToTurnIntransitive-Torque	turser	t-u-r-s-ay-r
ToFall	kəiʁ	k-ahh-e-er
ToFall-Tumbare	tõbaʁ	t-on-b-ah-rr
ToGive	daʁ	d-ah-rr
ToGive-Donare	doa	d-oh-ah
ToHold	teʁ	t-ay-rr
ToHold-Segurar	siɣuraʁ	s-eee-g-u-er-ah-rr
ToSqueeze	ɨʃpʁəmeʁ	e-shh-p-r-aah-m-ay-rr
ToSqueeze-Serrere	seʁa	s-ay-rr-ah
ToSqueeze-Serare	siʁaʁ	s-eee-rr-ah-er
ToSqueeze-Appetorare	əpiʁtaʁ	ahh-p-eee-er-t-ah-er
ToSqueeze-Stringere	əʃtriʒiʁ	aah-shh-t-r-een-gzah-e-r
ToRub-Exfricare	ɨʃfriɣaʁ	eee-shh-f-er-eee-g-ah-er
ToWash	lɐvaʁ	l-ahh-v-ah-er
ToWipe-Exsucare	ẽʃuɣaʁ	ehn-shh-u-g-ah-er
ToWipe-Limpidare	liʁaʁ	l-een-p-ah-er
ToPull	ʃiʁa	ts-e-er-ah
ToPull-Pulsare	puʃaʁ	p-u-shh-ah-er
ToPull-Trahere	traze	t-er-ah-zz-ay
ToThrow	ʒejtaʁ	gzah-ayj-t-ah-er
ToThrow-Lanceare	lɛsa	l-ahn-s-ah
ToTie-Aptare	ɐtaʁ	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	ʒogaʁ	gzah-oh-g-ah-rr
ToFloat	flutuʁ	f-l-u-t-u-ah-rr
ToFlow	flwiʁ	f-l-w-e-rr
ToFlow-Colare	koʁ	k-oh-ah-rr
ToFlow-Excurrere	ɨʃkoʁeʁ	e-shh-k-oh-rr-ay-rr
ToFlow-Currere	koʁeʁ	k-oh-rr-ay-rr
ToFreeze	ʒilaʁ	gzah-eee-l-ah-er
ToSwell	ɨʃaʁ	een-shh-ah-er
ToSwell-Intumescere	itumeser	een-t-u-m-ay-s-ay-er
ToSwell-Crescere	kreseʁ	k-er-ay-s-ay-rr
ToBurn-Cremare	kɛjmaʁe	k-ahhj-m-ah-er-ay
ToBurn-Ardere	aʁdeʁ	ah-rr-d-ay-rr
ToBurn-Flagrare	flagʁaʁ	f-l-ah-g-rr-ah-rr
ToBurn-Incendere	ĩsendʒiaʁ	een-s-ay-n-VdPalatoAlveolarSibilant-l-ah-er
All-Totus	todu	t-oh-d-u
Many	mũjtu	m-ooo-jn-t-u

Appendix 5 - Word Lists by Language

Many-Tantus	t̃etu	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	gr̃ɛdʒi	g-er-ahn-VdPalatoAlveolarSibilant-e
Long-Longum	lõgu	l-on-g-u
Long-Largum	laɣgu	l-ah-rr-g-u
Wide	latu	l-ah-t-u
Wide-Amplum	ẽʃu	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	br̃evi	b-er-eh-v-e
Narrow-Strictus	istrejtu	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	sut̃f̃iw	s-u-ts-e-w
Warm	kawdu	k-ah-w-d-u
Cold	friu	f-er-e-u
Cold-Recens	ɣes̃ɛʃi	rr-ay-s-ehn-ts-e
Full	ʃɛju	shh-ahhj-u
New	novu	n-oh-v-u
Old	vɛj̃lu	v-ahhj-yuh-u
Good	bõ	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	dʒirejtu	VdPalatoAlveolarSibilant-e-er-ayj-t-u
Round	ɣedõdu	rr-ay-d-on-d-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	destru	d-eh-s-t-er-u
Left	seʃtru	s-eh-shh-t-er-u
Red	ɣoʃu	rr-oh-shh-NearCloseBackRounded
Red-Vermiculus	vɛɣmeʃu	v-ay-rr-m-ay-yuh-u
Red-Rubeus	rubeo	r-u-b-ay-oh
Green	verdi	v-ay-er-d-eee
Yellow-Amarellus	ɛmareʃu	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	kɛʃ	k-ehnj
What	ki	k-e

Appendix 5 - Word Lists by Language

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	nəʃ	n-euh-shh
YouPlural	voʃ	v-oh-shh
YouSingular	tu	t-u
YouSingular-VostramMercedem	vɔse	v-euh-s-ay
Woman	femjɐ	f-ay-m-jg-ahh
Woman-Mulier	muʎer	m-u-yuh-ay-er
Woman-Domina	done	d-oh-n-ahh
Child	ĩfeti	een-f-ahn-t-eee
Child-Ninnus	nenẽj	n-ay-n-ehnj
Wife	ifpozɐ	eee-shh-p-oh-zz-ahh
Husband	meriðu	m-ahh-er-e-dd-u
Husband-Sponsus	ifpozu	eee-shh-p-oh-zz-u
Mother	mẽj	m-ahnjn
Father	paj	p-aj
Father-Tata	tata	t-ah-t-ah
Animal-Bestia	biʃɐ	b-e-shh-ahh
Fish-Piskem	pɛjʃi	p-ahhj-shh-eee
Bird-Avem	avi	ah-v-eee
Bird-Passerem	pasɐru	p-ah-s-ahh-er-u
Dog	kẽw	k-au_diphthong_nasal
Louse	pioʎu	p-e-oh-yuh-u
Snake	sirpɛti	s-eee-er-p-ehn-t-eee
Worm	vermi	v-ay-er-m-eee
Tree	arvuri	ah-er-v-u-er-eee
Forest	sɛʎɐ	s-eh-ssha-v-ahh
Stick	paw	p-ah-w
Fruit	frutɐ	f-er-u-t-ahh
Seed-Sementis	simɛti	s-eee-m-ehn-t-eee
Seed-Granum	grẽw	g-er-au_diphthong_nasal
Leaf	foʎɐ	f-oh-yuh-ahh
Leaf-Frondea	frõsɐ	f-er-on-s-ahh
Root	ʁɛjʃ	rr-ahh-e-shh
BarkOfATree	kɔrtisi	k-euh-er-t-e-s-eee
BarkOfATree-Corticea	kurtisɐ	k-u-er-t-e-s-ahh
Flower	flor	f-l-oh-er
Grass	ɛrvɐ	eh-er-v-ahh
Grass-Gramen	grɛmɐ	g-er-ahh-m-ahh
Rope-Restis	ʁɛʃti	rr-ay-shh-t-eee
Skin	kodie	k-oh-d-e-ahh
Skin-Pellis	peli	p-ay-l-eee
Meat	karni	k-ah-er-n-eee

Appendix 5 - Word Lists by Language

Meat-Vivenda	vivēde	v-e-v-ehn-d-ahh
Blood	səgi	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	penə	p-ay-n-ahh
Hair	pilu	p-eee-l-u
Hair-Capillus	kəβelu	k-ahh-bb-ay-l-u
Head	kəβese	k-ahh-bb-ay-s-ahh
Head-Testa	təftə	t-eh-shh-t-ahh
Ear	orejʎe	oh-er-ahhj-yuh-ahh
Eye	olu	oh-yuh-u
Nose-Nares	nəriʃ	n-ahh-er-e-shh
Mouth	bokə	b-oh-k-ahh
Tooth	dēti	d-ehn-t-eee
Fingernail	uɲe	u-VdPalatalNasal-ahh
Foot	pə	p-eh
Leg-Perna	pɛrne	p-eh-er-n-ahh
Knee-Geniculum	ʒwəʎu	gzah-w-ahh-yuh-u
Hand	mẽw̃	m-au_diphthong_nasal
Wing	a	ah
Belly-Pantex	pēsə	p-ahn-s-ahh
Guts	ētreɲə	ehn-t-er-ahh-VdPalatalNasal-ahh
Neck	kolu	k-euh-l-u
Back-Spatula	ifpadwə	e-shh-p-ah-d-w-ahh
Breast	səju	s-ahhj-u
Breast-Pectus	pəjtu	p-ahhj-t-u
Heart	kor	k-oh-er
Heart-Anima	almə	ah-l-m-ahh
Liver	fɪyēðu	f-e-juh-ahh-dd-u
Sun	sot	s-euh-ssha
Moon	luə	l-u-ahh
Star	iftrele	eee-shh-t-er-ay-l-ahh
Water	agwə	ah-g-w-ahh
Rain	ʃuve	shh-u-v-ahh
River	flumi	f-l-u-m-eee
River-Rivus	riu	rr-e-u
Lake	layu	l-ah-juh-u
Sea	mar	m-ah-er
Salt	sal	s-ah-l
Stone	sɛjʃu	s-ahhj-shh-u
Stone-Petra	pɛdre	p-eh-dd-er-ahh
Sand	ɛrɛjə	ahh-er-ahhj-ahh
Sand-Sabulum	sajβru	s-aj-bb-er-u
Dust-Pulwus	pɔ	p-euh
Earth	təkə	t-eh-rr-ahh
Cloud	nuvẽj̃	n-u-v-ahnjn
Fog	kɛlizẽj̃	k-ahh-l-e-gzah-ahnjn
Fog-Nebula	neṽwə	n-eh-v-w-ahh
Fog-Tenebras	trɛvɛʃ	t-er-eh-v-ahh-shh
Fog-Fumata	fumasə	f-u-m-ah-s-ahh
Sky	sew	s-eh-w
Wind	vētu	v-ehn-t-u
Snow	nevi	n-eh-v-eee
Smoke	fumu	f-u-m-u

Appendix 5 - Word Lists by Language

Fire-Focus	foɣu	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	mōtɐɲə	m-on-t-ahh-VdPalatalNasal-ahh
Night	nojti	n-oj_diphthong-t-eee
Day	diə	d-e-ahh
Day-Diurna	ʒɔɳna	gzah-euh-rr-n-ah
Year	ɐnu	ahh-n-u
Name-Nomen	nomi	n-oh-m-eee
Tongue	liŋwə	l-een-g-w-ahh
ToDrink	bɪʃer	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	ʁɪʃpirar	rr-eee-shh-p-e-er-ah-er
ToLaugh	ʁir	rr-e-er
ToSee	ver	v-ay-er
ToHear	owvir	oh-w-v-e-er
ToKnow-Sapere	sɐber	s-ahh-b-ay-er
ToKnow-Cognoscere	kuniser	k-u-VdPalatalNasal-eee-s-ay-er
ToThink	kuʒitar	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	ʃɛjrar	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	muɣer	m-u-rr-ay-er
ToKill-Mactare	metar	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	siɣar	s-eee-juh-ah-er
ToCut-Curtare	kurtar	k-u-er-t-ah-er
ToCut-Taliare	tɛɣar	t-ahh-yuh-ah-er
ToSplit	diviðir	d-e-v-e-dd-e-er
ToSplit-Findere	fɛðer	f-ehn-d-ay-er
ToSplit-Partire	pɛrtir	p-ahh-er-t-e-er
ToSplit-Separare	sɪpɛrar	s-eee-p-ahh-er-ah-er
ToStab	pũʒir	p-ooo-gzah-e-er
ToScratch	ʁɐr	rr-ahh-ay-er
ToScratch-Rasare	ʁɛzar	rr-ahh-zz-ah-er
ToScratch-Rasicare	ʁɛʃkar	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	nɛviɣar	n-ahh-v-eee-juh-ah-er
ToFly	vwar	v-w-ah-er
ToWalk	kəmiɲar	k-ahh-m-e-VdPalatalNasal-ah-er

Appendix 5 - Word Lists by Language

ToWalk-Ambitare	ēdar	ahn-d-ah-er
ToCome	vir	v-e-er
ToLieAsInABed	iflēder	e-shh-t-ehn-d-ay-er
ToLieAsInABed-lacere	zøzer	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	zīrar	gzah-e-er-ah-er
ToTurnIntransitive-AncestralClass3	zīrar	gzah-e-er-ah-er
ToTurnIntransitive-Torque	turser	t-u-r-s-ay-r
ToFall	kēir	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	ifprømer	e-shh-p-r-aah-m-ay-r
ToSqueeze-Serrere	sørar	s-aah-VIUvularTrill-ah-er
ToSqueeze-Serare	sīrar	s-eee-rr-ah-er
ToSqueeze-Appetorare	ēpirtar	ahh-p-eee-er-t-ah-er
ToSqueeze-Stringere	əftrīzīr	aah-shh-t-r-ehn-gzah-e-r
ToRub-Exfricare	iffriyar	eee-shh-f-er-eee-juh-ah-er
ToWash	lēvar	l-ahh-v-ah-er
ToWipe-Exsucare	ēfuvar	ehn-shh-u-juh-ah-er
ToWipe-Limpidare	līpar	l-ehn-p-ah-er
ToPull	tīrar	t-e-er-ah-er
ToPull-Pulsare	pujar	p-u-shh-ah-er
ToPull-Trahere	trøzer	t-er-ahh-zz-ay-er
ToThrow	zejtar	gzah-ayj-t-ah-er
ToThrow-Lanceare	lēsar	l-ahn-s-ah-er
ToTie-Aptare	ētar	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	zuvar	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	kurer	k-u-rr-ay-er
ToFreeze	zīlar	gzah-eee-l-ah-er
ToSwell	īfar	een-shh-ah-er
ToSwell-Intumescere	ītumeser	een-t-u-m-ay-s-ay-er
ToSwell-Crescere	kriřser	k-er-eee-shh-s-ay-er
ToBurn-Cremare	kejmaøe	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	īsēdjar	een-s-ehn-d-jg-ah-er
All-Totus	toðu	t-oh-dd-u
Many	mūjtu	m-ooo-jn-t-u
Many-Tantus	tētū	t-ahn-t-u
Some	atgū	ah-ssha-g-ooo
Few	powku	p-oh-w-k-u

Appendix 5 - Word Lists by Language

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	ifpesu	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	brevi	b-er-eh-v-eee
Narrow-Strictus	iftrējtū	eee-shh-t-er-ahhj-t-u
Thin	miuđu	m-e-u-dd-u
Thin-Delicatus	dełyađu	d-eh-ssha-juh-ah-dd-u
Thin-Subtilis	sułfiw	s-u-ts-e-w
Warm	kaldū	k-ah-l-d-u
Cold	friu	f-er-e-u
Cold-Recens	kesēłfi	rr-ay-s-ehn-ts-e
Full	fejū	shh-ahhj-u
New	novu	n-oh-v-u
Old	vełū	v-ay-yuh-u
Good	bō	b-on
Bad	maw	m-ah-w
Rotten-Putrem	pođri	p-oh-dd-er-eee
Dirty	sordidu	s-euh-er-d-e-d-u
Dirty-Spurcus	ifpurku	e-shh-p-u-er-k-u
Straight	dirējtū	d-e-er-ahhj-t-u
Round	kidōdu	rr-eee-d-on-d-u
SharpAsAKnife	eyuđu	ahh-juh-u-dd-u
Smooth-Nitidus	nedžu	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	dełtru	d-eh-shh-t-er-u
Left	sełtru	s-eh-shh-t-er-u
Red	kołfu	rr-oh-shh-u
Red-Vermiculus	virmejalu	v-eee-er-m-ahhj-yuh-u
Red-Rubeus	rubeo	r-u-b-ay-oh
Green	verdi	v-ay-er-d-eee
Yellow-Amarellus	emerełu	ahh-m-ahh-er-eh-l-u
White	alvu	ah-l-v-u
One	ũ	ooo
Two-Duos	dojł	d-oj_diphthong-shh
Two-Duas	dueł	d-u-ahh-shh
Three	treł	t-er-ay-shh
Four	kwatru	k-w-ah-t-er-u
Five	siku	s-eeen-k-u
Here	eki	ahh-k-e
There	la	l-ah
There-Adlbi	ei	ahh-e
Who-Quem	kēj	k-ahnjn
What	ki	k-eee
When-Quando	kwēdu	k-w-ahn-d-u

Appendix 5 - Word Lists by Language

How-Quomodo	komu	k-oh-m-u
Not	nēw	n-au_diphthong_nasal
Not-Nec	nēj	n-ahnjn
At	ɐ	ahh
In-In	ēj	ahnjn
With-Cum	kō	k-on
And-Et	i	e
And-Si	sī	s-eeen
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	muʎe	m-u-yuh-ay
Woman-Domina	dənə	d-euh-n-aah
Child-Ninnus	nen	n-ay-n
Wife	əspəzə	aah-s-p-euh-zz-aah
Husband	marit	m-ah-er-e-t
Husband-Sponsus	əspəs	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	vərm	v-eh-er-m
Tree	abrə	ah-b-er-aah
Forest	selba	s-ay-l-b-ah
Stick	pal	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	əskørsə	aah-s-k-euh-r-s-aah
Flower	flə	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	əs	euh-s
FatNoun-Crassia	grɛʃ	g-er-ay-shh
Egg	əw	euh-w
Horn	körn	k-euh-r-n
Tail	kua	k-u-ah
Feather	plomə	p-l-oh-m-aah
Feather-Penna	pɛɲə	p-eh-VdPalatalNasal-aah

Appendix 5 - Word Lists by Language

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-l-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	pəŋʃə	p-ah-VdPalatalNasal-shh-aah
Guts	əntrəpə	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	ajɣwə	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	ərenə	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	ʒɛʃ	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	muntəpə	m-u-n-t-ah-VdPalatalNasal-aah
Night	nit	n-e-t
Day	diə	d-e-aah
Day-Diurnus	ʒɔrn	gzah-oh-er-n
Year	əp	ah-VdPalatalNasal

Appendix 5 - Word Lists by Language

Name-Nomen	nɔm	n-euh-m
ToDrink	bɛwrə	b-eh-w-er-aah
ToEat-Manducare	məɲʒa	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	bɛwrə	b-eh-w-er-aah
ToHear	ui	u-e
ToKnow-Sapere	səβe	s-aah-bb-eh
ToKnow-Cognoscere	kunɛʃə	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	təʎa	t-aah-yuh-ah
ToSplit	dibidi	d-e-b-e-d-e
ToSplit-Findere	fəndrə	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	ʎəba	yuh-aah-b-ah
ToStand-Altiare	əlsa	aah-l-s-ah
ToTurnIntransitive	turna	t-u-r-n-ah
ToTurnIntransitive-Gyrare	zira	gzah-e-er-ah
ToTurnIntransitive-AncestralClass3	bira	b-e-er-ah
ToTurnIntransitive-Torquere	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
ToSqueeze	əspremə	aah-s-p-er-ay-m-aah

Appendix 5 - Word Lists by Language

ToSqueeze-Serrere	səra	s-aah-r-ah
ToSqueeze-Stringere	əstrɛɲə	aah-s-t-er-ch-VdPalatalNasal-aah
ToRub	frəga	f-er-aah-g-ah
ToRub-Frictiare	frəsa	f-er-aah-s-ah
ToWash	ʎəba	yuh-aah-b-ah
ToWipe-Extergere	əstərzi	aah-s-t-aah-r-gzah-e
ToWipe-Exsucare	əʃuga	aah-shh-u-g-ah
ToPull	tira	t-e-er-ah
ToPull-Trahere	trɛwrə	t-er-ch-w-er-aah
ToPush	əmpɛɲə	aah-m-p-ch-VdPalatalNasal-aah
ToThrow	xita	xha-e-t-ah
ToThrow-Lanceare	ʎənsa	yuh-aah-n-s-ah
ToTie	ʎiya	yuh-e-juh-ah
ToSew	kuzi	k-u-zz-c
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	krɛʃə	k-er-ay-shh-aah
ToBurn-Cremare	krəma	k-r-aah-m-ah
ToBurn-Flammare	flama	f-ssha-ah-m-ah
ToBurn-Incendere	ənsendrə	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	əlgʊ	aah-l-g-u
Few	pək	p-euh-k
Other	altɾə	ah-l-t-er-aah
Big-Grandem	gran	g-r-ah-n
Long-Longum	ʎonɟ	yuh-oh-nya
Long-Largum	ʎark	yuh-ah-er-k
Wide-Amplum	amplə	ah-m-p-l-aah
Thick	gras	g-er-ah-s
Thick-Spissum	əspɛs	aah-s-p-ch-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	əstrɛt	aah-s-t-er-ch-t
Thin	mənʊt	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	kaɭ	k-ah-ssha
Cold	frɛt	f-er-eh-t
Full	pɭɛ	p-ssha-eh
New	nɔw	n-euh-w
Old	veʎ	v-ay-yuh

Appendix 5 - Word Lists by Language

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	rædo	r-aah-d-oh
SharpAsAKnife	ægut	aah-g-u-t
Smooth	suaw	s-u-ah-w
Smooth-Nitidus	nɛt	n-eh-t
Dry	sɛk	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	tɹɛs	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	kɔm	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	mɛr	m-ay-VIUvularTrill
Father	pɛ:r	p-Eh-r
Fish-Pescion	pehɔ̃	p-eh-h-on
Bird-Avicellum	u:hɛ:	U-h-Eh
Dog	ʃɛ	ts-ehn
Louse	pju	p-jg-u

Appendix 5 - Word Lists by Language

Snake	sʝɛ̃pɛ̃	s-jg-eh-rr-p-ehn
Worm	vʝɛ̃	v-jg-eh-VIUvularTrill
Tree	o:b	O-b
Fruit	fry	f-VIUvularTrill-eeh
Seed-Sementis	simɛ̃s	s-e-m-ehn-s
Seed-Granum	grin	g-r-e-n
Leaf	fɔj	f-mid_low_diphthong
Root-Radicina	rɛsɛ̃n	VIUvularTrill-eh-s-eh-n
BarkOfATree-Skortea	skwas	s-k-w-ah-s
Flower	flø:ɤ	f-l-o-rr
Grass	jɛ̃p	jg-eh-p
Skin-Pellis	pja	p-jg-ah
Meat	tʃɔ:	ts-LongOpenMidBackRounded
Blood	sɔ:g	s-OOO-g
Bone	ɔf	euh-shh
FatNoun-Crassia	krɔ:ɕ	k-VIUvularTrill-LongOpenMidBackRounded-sh
Egg	u:	U
Horn	kwɛ̃n	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	tʃɛ̃s	ts-eh-s
Ear	ɔraj	euh-VIUvularTrill-aj
Eye	u:j	U-jg
Nose	ne	n-ay
Mouth	bɔk	b-euh-k
Mouth-Gula	gɔ:j	g-o-jg
Tooth	dɛ̃	d-ehn
Fingernail	ɔg	on-g
Foot	pi:	p-E
Leg-Gamba	dʒãp	VdPalatoAlveolarSibilant-an-p
Knee-Genuculum	dʒino	VdPalatoAlveolarSibilant-e-n-euh
Hand	mɛ̃	m-ehn
Wing	el	ay-l
Belly	vɛ̃t	v-ehnn-t
Belly-Pantex	pãs	p-an-s
Back	dɔ	d-euh
Back-Spatula	spal	s-p-ah-l
Heart	ku:ɤ	k-U-rr
Heart-Anima	ɔ:m	LongOpenMidBackRounded-m
Liver	fɔ:t	f-o-t
Sun	sɔlɔ	s-euh-l-euh
Moon	lɔn	l-uu-n
Star	stɔ:l	s-t-o-l
Water	ɛ:w	Eh-w
Rain	plu:ɤ	p-l-U-rr
River-Riparia	rivi:ɤ	r-e-v-E-rr
Lake	lak	l-ah-k
Sea	meɤ	m-ay-rr
Salt	se	s-ay
Stone-Petra	pi:ɤ	p-E-rr
Sand-Sabulum	so:vjɔ̃	s-O-v-jg-on
Earth	tɛ:ɤ	t-Eh-rr
Sky	si:ɤ	s-E-rr
Wind	vɛ̃	v-ehn
Snow	ni:f	n-E-f

Appendix 5 - Word Lists by Language

Ice-Glacies	glɛs	g-l-eh-s
Fire-Focus	fø:	f-o
Ash	sɛ:d	s-LongNasalE-d
Mountain-Montanea	mōtap	m-on-t-ah-VdPalatalNasal
Night	nyt	n-eeh-t
Day	dʒu:	VdPalatoAlveolarSibilant-U
Day-Diurnus	dʒu:	VdPalatoAlveolarSibilant-U
Year	ã	NasalA
Name-Nomen	nō	n-on
Tongue	lɛu	l-ehnun
ToDrink	bø:ʁ	b-o-rr
ToEat-Manducare	mapɪ:	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	ʁi:ʁ	rr-E-rr
ToSee	vi:ʀ	v-E-VIUvularTrill
ToHear	õʀ	on-VIUvularTrill
ToKnow-Sapere	savø:ʀ	s-ah-v-o-VIUvularTrill
ToKnow-Cognoscere	kinɔh	k-e-n-euh-h
ToThink-Pensare	pɛse	p-ehnn-s-ay
ToSmell-Sentire	sɛti	s-ehnn-t-e
ToSleep	dwaʁmi	d-w-ah-rr-m-e
ToDie	mɔri	m-euh-VIUvularTrill-e
ToKill-Tutari	tuwe	t-u-w-ay
ToFight-Battuere	bate	b-ah-t-ay
ToHunt-Captiare	ʃɛsi:	ts-eh-s-E
ToCut-Taliare	tɛji:	t-eh-jg-E
ToSplit-Findere	fɛt	f-ehnn-t
ToSplit-Partire	pɔ:rti	p-LongOpenMidBackRounded-VIUvularTrill-t-e
ToSwim-Navigare	nɛdʒi:	n-eh-VdPalatoAlveolarSibilant-E
ToFly	vɔle	v-euh-l-ay
ToWalk	ʃimine	ts-e-m-e-n-ay
ToWalk-Marcher	ma:ʀʃi:	m-A-VIUvularTrill-ts-E
ToCome	vini	v-e-n-e
ToLieAsInABed-lacere	dʒere	VdPalatoAlveolarSibilant-ay-r-ay
ToStand	ɛs	eh-s
ToStand-Levare	lɔve	l-aah-v-ay
ToStand-Altiare	hɔ:si:	h-LongOpenMidBackRounded-s-E
ToTurnIntransitive	tu:rne	t-U-r-n-ay
ToTurnIntransitive-AncestralClass3	vike	v-e-rr-ay
ToFall	ʃɛ:ʀ	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	sɛre	s-eh-VIUvularTrill-ay
ToSqueeze-Stringere	stringe	s-t-r-e-n-g-ay
ToRub	froj	f-r-oj_diphthong
ToRub-Frictare	fɔte	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	dʒete	VdPalatoAlveolarSibilant-eh-t-ay
ToThrow-Lanceare	lanci:	l-ah-n-tya-E
ToTie	lɔji:	l-mid_low_diphthong-E
ToSew	kø:z	k-o-zz

Appendix 5 - Word Lists by Language

ToCount	kōte	k-on-t-ay
ToSay	dī:ɾ	d-E-rr
ToSing-AncestralClass	ʃāte	ts-NasalA-t-ay
ToPlay-Jiocare	d̥uwe	VdPalatoAlveolarSibilant-u-w-ay
ToFlow-Colare	kole	k-euh-l-ay
ToFlow-Currere	kōri	k-euh-VIUvularTrill-e
ToFreeze	d̥zale	VdPalatoAlveolarSibilant-ah-l-ay
ToSwell	ēfle	ehn-f-l-ay
ToSwell-Conflare	gōfle	g-on-f-l-ay
All-Totus	tō	t-euh
Few	pō	p-on
Other	ōt	on-t
Big-Grandem	gᵛā	g-rr-NasalA
Long-Longum	lō	l-on
Thick-Spissum	spe	s-p-eh
Heavy	grav	g-r-ah-v
Small	piti	p-e-t-e
Short	ku:ɾ	k-U-rr
Short-Brevis	bᵛef	b-rr-ay-f
Narrow-Strictus	st̥ø:	s-t-rr-o
Thin	minu	m-e-n-u
Thin-Subtilis	su:ti	s-U-t-e
Warm	ʃō	ts-on
Cold	frwe	f-VIUvularTrill-w-eh
Full	plē	p-l-ehn
New	nōve	n-euh-v-eh
Old	vi:	v-E
Good	bō	b-on
Bad	mō:	m-LongOpenMidBackRounded
Straight	dr̥ø:	d-r-o
Round	rō	r-on
Dry	seʃf	s-eh-ts
Near-Pressus	pre	p-r-eh
Near-Vicinus	viʒē	v-e-gzah-ehn
Red-Rubeus	rōʃf	r-euh-ts
Green	veɾ	v-eh-rr
Yellow	d̥zen	VdPalatoAlveolarSibilant-eh-n
One	ō	on
Two-Duos	d̥ø:	d-o
Three	tr̥ø:	t-r-o
Four	kwat	k-w-ah-t
Five	sēk	s-ehn-k
There	la	l-ah
Who-Qui	ki:	k-E
What	kwē:	k-w-Eh
When-Quando	kwand	k-w-ah-n-d
How-Quomodo	kōmē	k-euh-m-ehnn
Not	nō	n-oon
Not-Nec	nē	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	maſʃa:	m-ah-ts-A
ToFight-Battuere	bati	b-ah-t-e
ToHunt-Captiare	caſʃa:	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	alſʃa:	ah-l-ts-A
ToTurnIntransitive	torna:	t-oh-r-n-A
ToTurnIntransitive-Gyrate	dʒira:	VdPalatoAlveolarSibilant-e-r-A
ToTurnIntransitive-AncestralClass3	dʒira:	VdPalatoAlveolarSibilant-e-r-A
ToFall	ſʃjade	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	lanſʃa:	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	dʒuja:	VdPalatoAlveolarSibilant-u-jg-A
ToFlow-Excurrere	skori:	s-k-oh-r-E
ToFlow-Currere	kori	k-oh-r-e
ToFreeze-Glaciare	glatſʃa:	g-l-ah-ts-A
ToSwell	enfla:	ay-n-f-l-A
ToSwell-Conflare	zɡlonſʃa:	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-VAlveolarSibilantAffricate-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-eej-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	səminʃə	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	rədɔʃʃinə	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	piʃʃor	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-er-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	VlAlveolarSibilantAffricate-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-VlAlveolarSibilantAffricate-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-VlAlveolarSibilantAffricate-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							ɭ	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

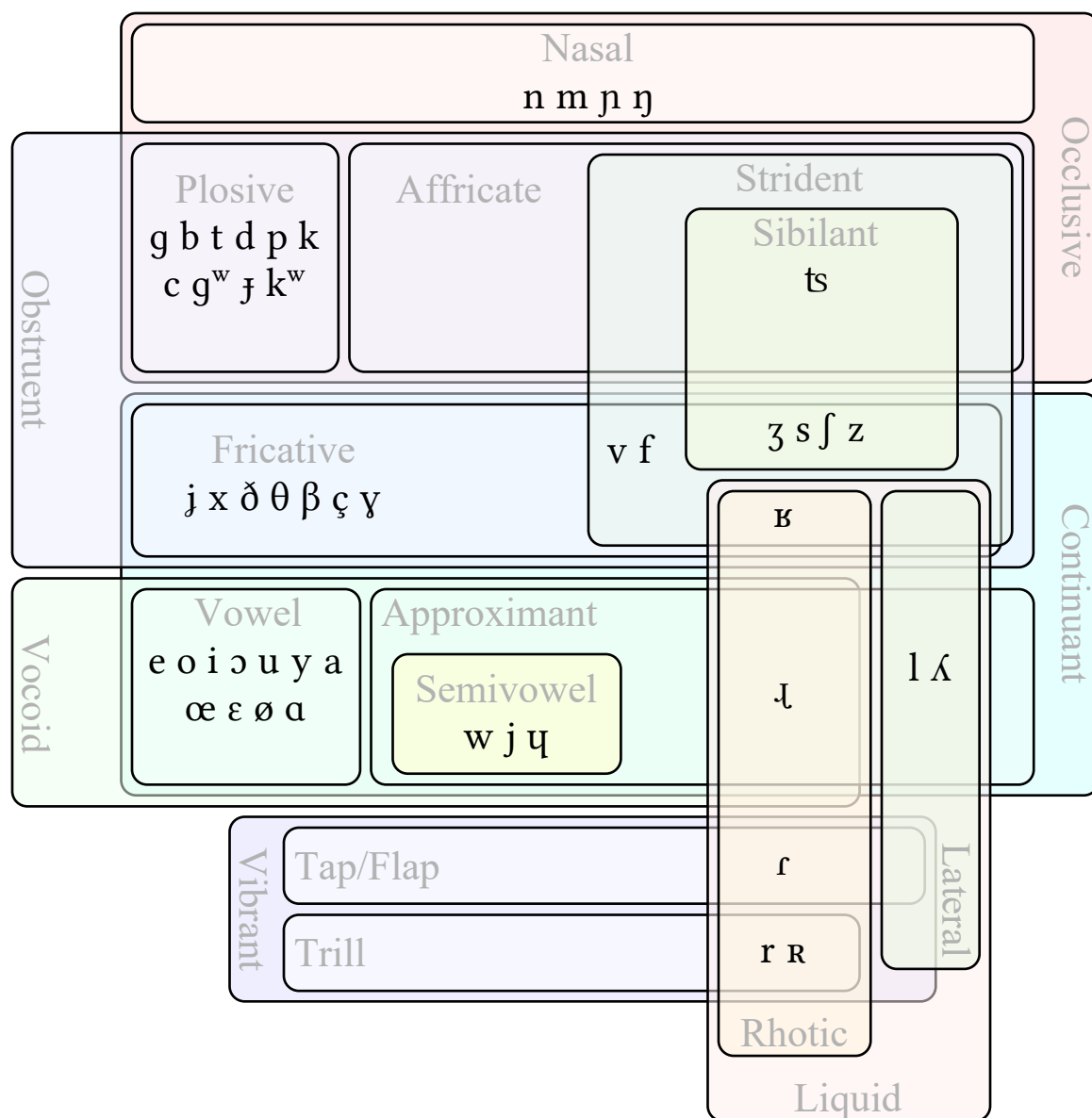
Manner
Central
Lateral

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
ᶑ̞	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

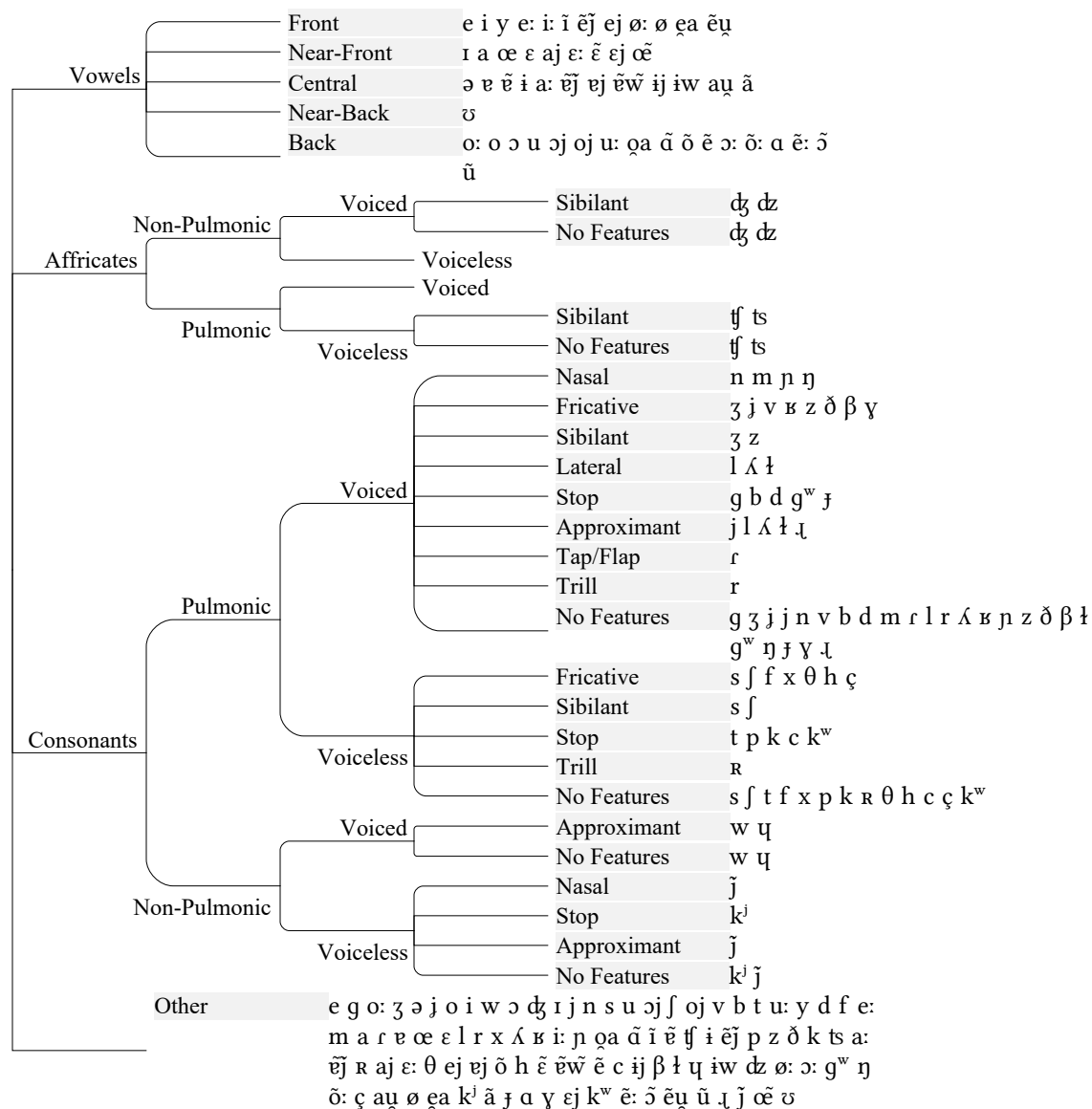
Appendix 8 - International Phonetic Alphabet

y	z	ã	ç
0079	007A	00E3	00E7
Close Front Rounded Vowel 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 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 Vowel Continuant	Open Back Nasal Vowel	Near-open Central Rounded Vowel Parent Vowel
ɑ	ɔ	ə	ɛ
0251	0254	0259	025B
Open Back Vowel Vowel Continuant Parent Vowel	Open-mid Back Rounded Vowel Continuant Parent Vowel	Close-mid Central Vowel Parent Vowel	Open-mid Near-Front 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 Vowel 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 Vowel 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

ʃ	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
ʝ	ɖʑ	ɖʒ	ʈʂ
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
ʈʃ	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



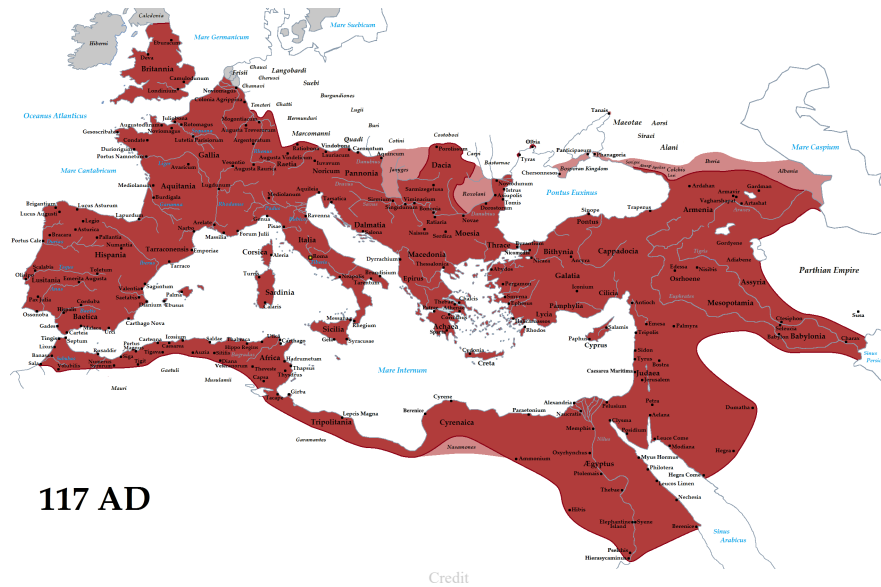
Appendix 10 - Diacritics

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	ɿ	Dental	˚	Velarized or Pharyngealized
↘	Global fall	ɿ	Velarized	˚	High tone
h	Aspirated	j	Palatalized	˚	Creaky voiced
˘	Low tone	l	Lateral release	-	Mid tone
◻	Laminal	˚	Linguo-Labial	n	Nasal release
˚	More rounded	˚	Lowered	˚	Retracted tongue root
↗	Global rise	˚	Raised	˚	Extra high tone
˚	Breathy voiced	˚	Voiced	w	Labialized
˚	Extra short	x	Mid-centralized	↓	Down-step
↑	Up-step	˚	Long	˚	Half-long
˚	Indeterminacy in french vowels	˚	Begin Non-segmental notation	˚	End non-segmental notation
ʕ	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

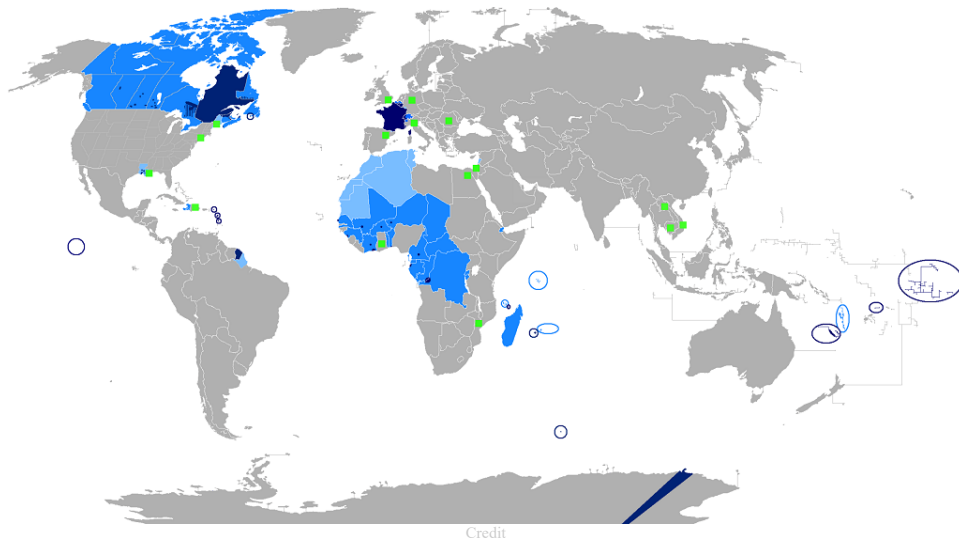
Latin



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

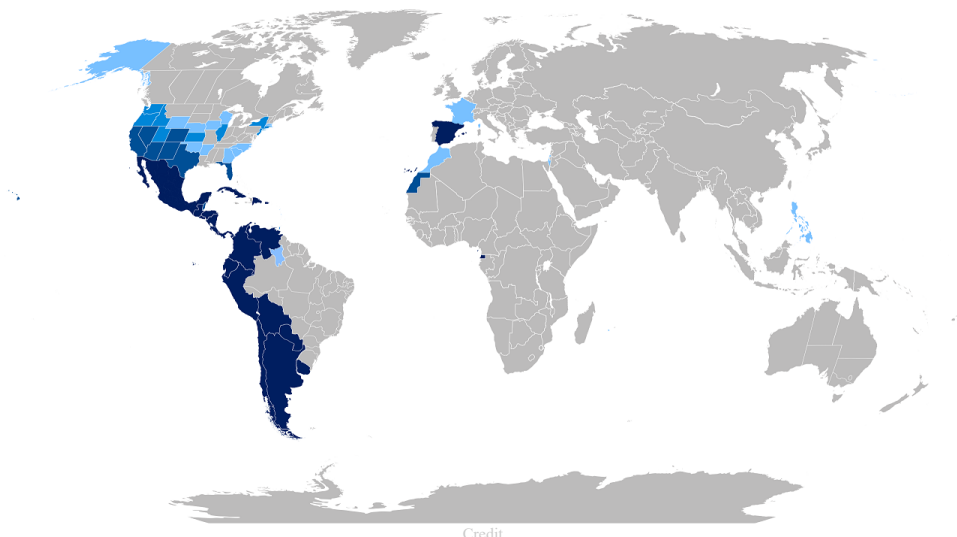


A Romance language of the Indo-European family. It descended from the Vulgar Latin of the Roman Empire, as did all Romance languages. French evolved from Gallo-Romance, the Latin spoken in Gaul, and more specifically in Northern Gaul. Its closest relatives are the other langues d'oïl—languages historically 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.

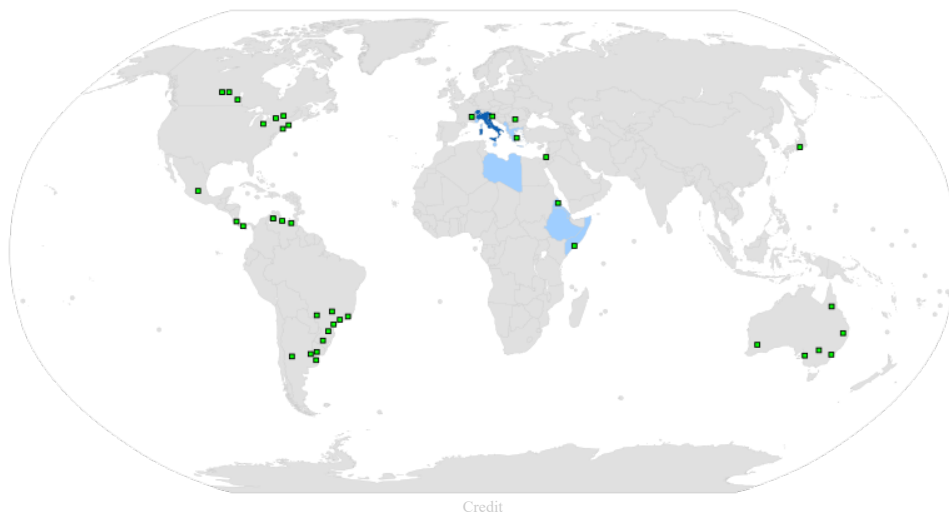
French is an official language in 29 countries across multiple continents, most of which are members of the Organisation internationale de la Francophonie (OIF), the community of 84 countries which share the official use or teaching of French. French is also one of six official languages used in the 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.

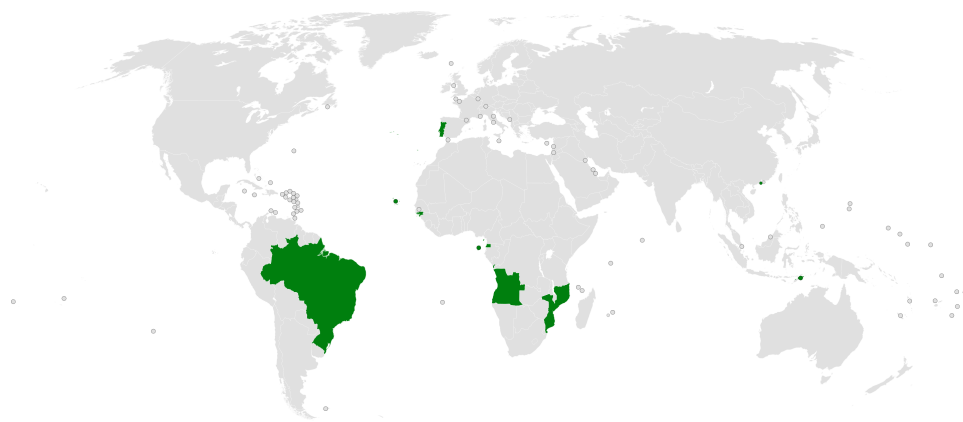
Brazilian Portuguese



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



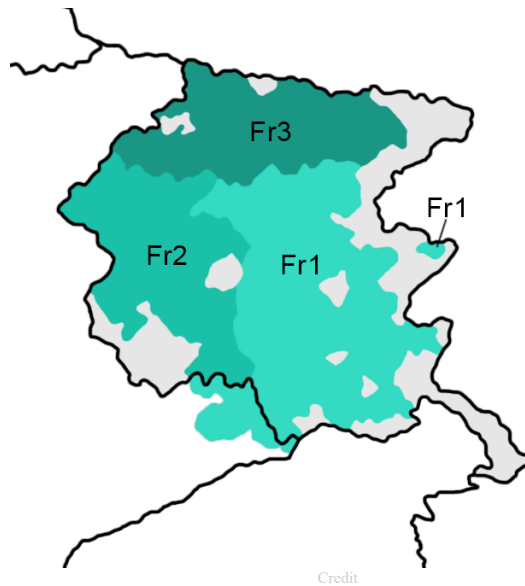
Credit

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".