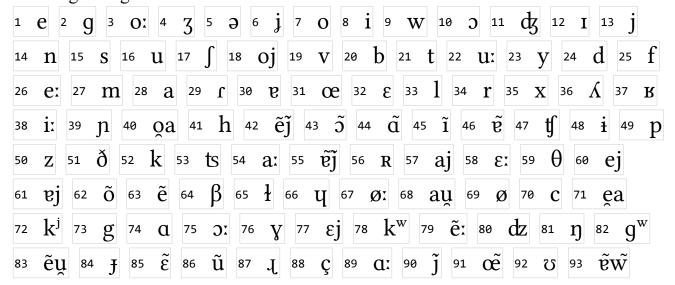
### **Understanding Language Evolution Using an Event-Based Model**

#### **Appendices**

- 1. Character Assignments
- 2. Partition Assignments
- 3. Concepts Used
- 4. Results

#### Appendix 1 - Character Assignments

#### Each segment gets a different number



#### Appendix 2 - Partition Assignments

### Model: "Linguistically Informed"

1 Nasal Vowel

ẽj õ ũ ĩ ẽ ẽj õ ẽ ẽ: ẽu ẽ ũ cẽ ẽw

2 Vowel

e o: ə o i ɔ ɪ u oj u: y e: a v œ ε i: oa i a: aj ε: ej vj ø: au ø ea α ɔ: εj α: σ

3 Nasal Consonant

nmŋŋĵ

4 Non Sylabic Sonorant

wjlr

5 Consonant

g ʒ j dz s ſ v b t d f r x λ κ h tf p z ð k ts κ θ β ł ų c k j g γ k w dz g w μ ι ç

	I	We	YouPlural	YouSingular
Latin	- e g o:	n or - s -	wo: - s	t u:
French	3 9	n u	$ \mathbf{v} \mathbf{u} $ - $ \mathbf{v} $	t y
Spanish	j o	n o - s -	b o - s	t u
Italian	i 0	n o: i	v o: i -	t u
PortugueseBrazi		n o j - s	$\begin{bmatrix} v & j & j \\ v & j & s \end{bmatrix}$	t u
i ortagaccobrazi			•   •   J   •	l c l a
Portuguese	-  e -  w	n   o   -   f   -	$ \mathbf{v}  \mathbf{o}  $ - $ \int$	t u
Catalan	3 3	- -	b u - s	t u
Walloon	dg 1	n o	$\begin{bmatrix} \mathbf{v} & \mathbf{o} \\ \mathbf{v} & \mathbf{o} \end{bmatrix} - \begin{bmatrix} \mathbf{s} \\ \mathbf{s} \end{bmatrix}$	t y
Friulian	j - o	n o:	v o:	t u
Romanian	j e - w	n oj	v oj	t u
	YouSingular-VostramMer		Woman-Mulier	Woman-Domina
Latin	Todomigaiai Vooliai iiivoi	f e: - m i - n - a	m u l i e r e m	d o m i n a
French		f a - m		d a m
Spanish	-  u   s   t   e   d	- e - m - b r - a	m u x - e r	d o p a
Italian	G   C   C   G	f e m m i - n - a	m o $\Lambda$ $\Lambda$ e	d o n - n a
PortugueseBrazi	v o s - e -	f e - m e v	ти и к - е в	d o n e
. Situguosobiazi	, , , , , , , , , , , , , , , , , , , ,	- 10   m   0       0		
Portuguese	v   o   s   -   e   -	f   e   -  m  j   -   -   e	$m u \Lambda - e \Gamma - -$	d o - - n e
Catalan	v o s t e -	f e - m - b r - a	m u $\Lambda$ - e	d o n o
Walloon	1,0,0,0,0	f œ - m	m   u   m     c	d œ m
Friulian		$f \in m \mid i \mid n \mid \epsilon$	m u - - i: r - -	d o - n e
Romanian		f e - m e j e	m u - j e r e -	d m - n ə
rtorriaman	ManHumanBeing	ManHumanBeing-Homo	Child	Child-Ninnus
Latin	h o m i - n e m	h - o m o:	i n f a n t e m	Offind-Millings
French	- 3 m	5	$\tilde{\alpha} - f \tilde{\alpha}$	
Snanish				n i n o
Spanish Italian	o m - b r e		i n f a n t e -	n i n o
Italian	o m - b r e	$- \mathbf{w}  \mathbf{o}  \mathbf{m}  \mathbf{o}$	i n f a n t e - - f a n t e -	n i n o
Italian			i n f a n t e -	
Italian PortugueseBrazi	o m   -   b   r   e   -   -   -     o   m   ej   -   -   -   -   -   -   -   -   -		$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	n i n o n e n ej
ltalian PortugueseBrazi Portuguese	o m   -   b   r   e   -   -         o   m   e j   -   -   -   -     -		i n f a n t e - - f a n t e -	n i n o n e n ẽj n e n ẽj
Italian PortugueseBrazi Portuguese Catalan	o m   -   b   r   e   -   -		$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	n i n o n e n ej
Italian PortugueseBrazi Portuguese Catalan Walloon	o m   b   r   e   -   -   o m ej   -   -   -   -    o m ej   -   -   -   -    o m o o o o o o o o o o o o o o o o o		$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	n i n o n e n ẽj n e n ẽj
Italian PortugueseBrazi Portuguese Catalan Walloon Friulian	o m   b   r   e   -   -   o m   ej   -   -   -   -   o m   ej   -   -   -   -   o m   ej   -   -   -   o m   o m   o   o   o   o m   o m   o   o   o m   o   o		$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	n i n o n e n ẽj n e n ẽj
Italian PortugueseBrazi Portuguese Catalan Walloon	$ \begin{vmatrix} o & m & - & b & r & e & - & - \\ o & m & \tilde{e}\tilde{j} & - & - & - & - & - \\ o & m & \tilde{e}\tilde{j} & - & - & - & - & - \\ o & m & \tilde{e}\tilde{j} & - & - & - & - & - \\ o & m & \tilde{e}\tilde{j} & - & - & - & - & - \\ o & m & - & - & - & - & - \\ - & o & m & - & - & - & - & - \\ - & o & m & - & - & - & - & - \\ - & o & m & - & - & - & - & - \\ - & - & - & - & -$	$ - \mathbf{w} \mathbf{c} \mathbf{w} $	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	n i n o n e n ēj n e n ēj n e n -
Italian PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian	o m - b r e  o m ej  o m ej  o m o o o o o o o o o o o o o o o o o	- w 3 m 0	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	n i n o n e n e  n e n e  n e n e  Husband-Sponsus
Italian PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian Latin	o m - b r e  o m ej  o m ej  o m e  o m  o m  o m  o m  o m - s p o n s a	$ - \mathbf{w} \mathbf{c} \mathbf{w} $	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	n i n o n e n e  n e n e  n e n e  Husband-Sponsus  s p o n s u s
Italian PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian Latin French	o m - b r e  o m ej  o m ej  o m ej  o m o  o m o  o m  o m  o m o n s a  e - p u - z -		$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	n i n o n e n ēj  n e n ēj  n e n s j  husband-Sponsus  s p o n s u s e - p u
Italian PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian Latin French Spanish	o m - b r e  o m ej  o m ej  o m ej  o m o  o m o  o m  o m  o m - z  o m - z  o m - z - z -  o m - z - z -  s p o n s a  e - p u - z -  e s p o - s a	- w	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	n i n o n e n ēj n e n ēj n e n s j n e n -
Italian PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian Latin French Spanish Italian	o m - b r e  o m ej  o m ej  o m ej  o m o  o m  o m  o m  o m  o m - z  o m - z  o m - z - z -  e s p o n s a  e - p u - z -  e s p o - s a  - s p o - z a	Wife-Mulier   m   u   1   i   e   r   -   m   o   f   f   e   r   -   m   o   f   f   f   e   r   -   e   f   f   f   f   f   f   f   f   f	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	n i n o n e n ēj  n e n ēj  n e n ēj  n e n s j o n s u s e - p u
Italian PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian Latin French Spanish	o m - b r e  o m ej  o m ej  o m ej  o m o  o m  o m  o m  o m  o m - z  o m - z  o m - z - z -  e s p o n s a  e - p u - z -  e s p o - s a  - s p o - z a	- w	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	n i n o n e n ēj n e n ēj n e n s j n e n -
Italian PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian  Latin French Spanish Italian PortugueseBrazi	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Wife-Mulier   m   u   1   i   e   r   -     m   o   \lambda   \lambda   e    r   -     m   o   \lambda   \lambda   \lambda   e    r   -     m   u   \lambda   -   e    r   -     m   u   \lambda   -   e    r   -	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
Italian PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian  Latin French Spanish Italian PortugueseBrazi	o m - b r e  o m e j  o m e j  o m o  o m o  o m  o m  o m  o m  o m - z  o m - z -  o m - z -  o m - z -  o m - z -  o m - z -  o m - z -  o m - z -  o m - z -  o m - z -  o m - z -  o m - z -  o m - z -  o m z - z -  e s p o - s a  s p o - z a  i s p o - z a	Wife-Mulier  m   u   1   i   e   r   -  m   o   \lambda   \lambda   e   r   -  m   o   \lambda   \lambda   e   \lambda   -  m   u   \lambda   -   e   \lambda   -  m   u   \lambda   -   e   \lambda   -	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
Italian PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian  Latin French Spanish Italian PortugueseBrazi  Portuguese Catalan	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Wife-Mulier   m   u   1   i   e   r   -     m   o   \lambda   \lambda   e    r   -     m   o   \lambda   \lambda   \lambda   e    r   -     m   u   \lambda   -   e    r   -     m   u   \lambda   -   e    r   -	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
Italian PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian  Latin French Spanish Italian PortugueseBrazi  Portuguese Catalan Walloon	o m - b r e  o m e j  o m e j  o m o  o m o  o m  o m  o m  o m  o m - z  o m - z -  o m - z -  o m - z -  o m - z -  o m - z -  o m - z -  o m - z -  o m - z -  o m - z -  o m - z -  o m - z -  o m - z -  o m z - z -  e s p o - s a  s p o - z a  i s p o - z a		$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
Italian PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian  Latin French Spanish Italian PortugueseBrazi  Portuguese Catalan	o m - b r e  o m e j  o m e j  o m o  o m o  o m  o m  o m  o m  o m - z  o m - z -  o m - z -  o m - z -  o m - z -  o m - z -  o m - z -  o m - z -  o m - z -  o m - z -  o m - z -  o m - z -  o m - z -  o m z - z -  e s p o - s a  s p o - z a  i s p o - z a	Wife-Mulier  m   u   1   i   e   r   -  m   o   \lambda   \lambda   e   r   -  m   o   \lambda   \lambda   e   \lambda   -  m   u   \lambda   -   e   \lambda   -  m   u   \lambda   -   e   \lambda   -	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$

	Husband-Socius	Mother	Father	Father-Tata
Latin	s o k i u s	m a: t r e m	p a t r e	t a t a
French		m e - r	b e - в -	
Spanish		m a ð r e -	p a ð r e	t a t a
Italian	s o tf - o -	m a: d r e -	p a: d r e	t a t a
PortugueseBrazi		$ \mathbf{m} \widetilde{\mathbf{e}}\widetilde{\mathbf{j}} $ - $ - - -$	p   aj   -   -   -	t a t a
D .				1.1 1.1
Portuguese		m v j	p   aj   -   -	t a t a
Catalan		ma-rə-	pa-rə	
Walloon		m e - R	p e: - r -	
Friulian		m a - r i -	p   a   -   r   i	14   0   4   0
Romanian	s o ts Animal	Animal Pastia	Fish-Piskem	t a t ə Fish-Pescion
Latin	a n i m a l i a	Animal-Bestia b e: s t i a	p i s k e m	FISH-Pescion
French	0 m a - j -	0   c.   s   t   1   a	p i s k c m	p w a s õ
Spanish	a l i m a n - a		p e θ	
Italian	a   1   1   111   a   J1     a	b i ∫ - a	p e f f e -	
PortugueseBrazi		bi-J-e	p ej f i -	
. Sitagassobiazi		T → T = T   <b>J</b>     ♥	F   +J   J     +	
Portuguese		b i - f - e	p ej   -   i   -	
Catalan		~ -   <b>J</b>    -	$\begin{vmatrix} \mathbf{p} & \mathbf{e} & \mathbf{j} \\ \mathbf{p} & \mathbf{e} & \mathbf{j} \end{vmatrix} = \begin{vmatrix} \mathbf{r} & \mathbf{r} \\ \mathbf{r} & \mathbf{r} \end{vmatrix}$	
Walloon			F   -  3	$ \mathbf{p}  -  \mathbf{\epsilon}  \mathbf{h}  \tilde{\mathbf{o}} $
Friulian	n e m a: 1	b   i   s   -   -   -	p   ε   s   -   -   -	
Romanian	- n ə m a - j e		p e f t e -	
	Bird-Avem	Bird-Avicellum	Bird-Passerem	Louse
Latin	a w e m	- a w i - k - e l l u m	passereem	p - e d u - k l u s
French		$ \mathbf{w}  \mathbf{a}   -   -   -   \mathbf{z}   -   \mathbf{o}   -   -   -   -  $		p   -   u   -   -   -   -   -   -
Spanish	a   b   e   -		$p \mid a \mid - \mid x \mid a \mid r \mid o \mid -$	p j o x - o
Italian	1 1 1 1 1	$ - - u - t f - \epsilon 1 1 o -$	p a s s e r o -	p - i d o k k j o -
PortugueseBrazi	a   v   i   -		p   a   -   s   e   r   u   -	$ p  -  i  -  o  -  \Lambda u  -  -$
Portuguese	a   v   i   -		p   a   -   s   e   r   u   -	p   -   i   -   o   -   K   u   -   -
Catalan	a w			p - i - o - \lambda   u   -
Walloon	a   w   -   -	$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		p j u
Friulian		$\begin{vmatrix} - & u & - & t \\ - & u & - & t \end{vmatrix}$ $j \in -1$		p - e d o - l i
Romanian			p a - s ə r e -	p - ə d u - k j e -
	Snake	Snake-Serpens	Worm	Tree
Latin	s - e r p - e n t e m	s - e r p e n s	w e r m e m	a r b o r e m
French	s - е в р - а		v e в	a r p - r
Spanish	s - e r p j e n t e -	s   j   e   r   p   e   -   -	berme-	a r β o 1
Italian	s - e r p - e n t e -	$ s  -  \epsilon  r  p  e -  -$	v e r m e -	a   1   b   e   r   o   -
PortugueseBrazi	$ \mathbf{s}  -  \mathbf{e}  \mathbf{R}  \mathbf{p}  -  \mathbf{e}  -  \mathbf{f}  \mathbf{i} -  \mathbf{g} $		v e в m i -	a   r   v   o   t   i   -
Portuguese	s - i r p - ẽ - t i -		v   e   r   m   i   -	$ \mathbf{a}  \mathbf{f}  \mathbf{v}  \mathbf{u}  \mathbf{f}  \mathbf{i}  $
Catalan	s - ə r p - e n	s   -   e   r   p   -   -   -	v E f m	a - b - r ə -
		-   -   -   -   -   -   -   -   -   -		
Walloon			V   i   ε   R   -   -	o:   -   b   -   -   -
Walloon Friulian	s j ε κ p - ẽ		V   j   ε   R   -   -   -	o: - b
Walloon Friulian Romanian			V j ε R V j ε r V j e r m e	o:

	Forest	Stick	Fruit	Flower
Latin	s i l w a	p a: 1 u s	f r u: - k t u s	f l o: r e m
French		p a 1	f	f 1 œ в
Spanish	s e l b a	p a 1 o -	f r u t o -	f 1 o r
Italian	s e l v a	p a 1 o -	f r u - t t o -	f j o: r e -
PortugueseBrazi	s ε w v a	p a w	f r u - t e -	f 1 o r
Portuguese	s e l v e	p a w	f r u t e -	f 1 o r
Catalan	s e l b a	p   a   1   -   -	f r u j - t	f 1 o
Walloon			f   R   y   -   -   -   -	f   1   ø:   r   -   -
Friulian	$ s \epsilon 1 v e$	p a: 1	f r u t	f 1 o: r
Romanian		p a r	f   r   u   -   k   t   -   -	f 1 r e -
1 1	Tail	Feather	Feather-Penna	Hair
Latin	k a d a -	p 1 u: m a	p e n n a	p   -   i   l   u   s
French	k ø	p 1 y m -	p   ε   -   n   -	p   w   a   1   -   -
	k o l a -	p l u m a	p e - n a	p - e l o -
	k o d a	p j u m a	p e n n a	p - e l o -
PortugueseBrazi		I   J   "     "	p e - n e	p - e l u -
3				
Portuguese	k a w d e		p e - n e	p   -   i   1   u   -
Catalan	k   u   -   a   -	p 1 o m ə	p ε - n ə	p   -   ε   1   -   -
Walloon	k 3 w	p 1 3 m -	p e - n -	
Friulian	$ \mathbf{k}   \mathfrak{d}   \epsilon $	p 1   u m ε	$p \mid \epsilon \mid - \mid n \mid e$	p - e: 1
Romanian	c   d ə -		pa-nə	p - a r
	Hair-Capillus	Head	Head-Testa	Ear
Latin	k a p i l l u s	k a p i - t i a	t e s t a	o: r i k l a -
French		$\int_{\Gamma}  \partial v  \varepsilon -  - - -$	t   ε   -   t   -	о в еј
	k a b e - j o -	k a β e - θ - a		o r e - x - a
	k a p e l l o -	k a v e t t s a	t ε s t a	o r e k k j a
PortugueseBrazi	k   a   b   e   -   1   u   -	k   a   b   e   -   s   -   e	$t \mid \epsilon \mid s \mid t \mid e$	o   r   e   -   A   v
Portuguese	k   ε   β   e   -   1   u   -	k   ε   β   e   -   s   -   ε	$ \mathbf{t}  \mathbf{\epsilon}  \int  \mathbf{t}  \mathbf{e}$	o   r   ej   -   A   e
Catalan	k θ b ε - λ	k a p	t e s t ə	u r e h ə
Walloon	tf i v j a -	K   u   p	t  =  s  =  s	3 R aj
Friulian	c a v ej	c a: f	t ε s t e	o r e 1 e
Romanian	·   -J	c   a:   f   -   -   -   -   -   -     -	ts s t ə	u r e - k - e
	Eye	Nose	Nose-Nares	Mouth
Latin	- o - k u l u s	n a: s u s		b u k k a
French	- œ - j	n e		
Spanish	- o - x - o	n a s o -	$ \mathbf{n}   \mathbf{a}   \mathbf{r}   \mathbf{i}   \mathbf{\theta} $	b o - k a
Italian	- o k k - j o -	n a: s o -	n a r i tf e	b o k k a
PortugueseBrazi	$ - o - - \kappa u -$		n  a  f  i  s	b   o   -   k   e
Portuguese	- o - - K u -		$ \mathbf{n} \mathbf{g} \mathbf{f} \mathbf{i} \mathbf{j} $ -	b   o   -   k   e
Catalan	- 0 - - A u -	n a s	n a: r I s -	b o - k e b o - k ə
Walloon	- u: - j - - -	n e	11   a.   1   1   8   -	b o - k o b o k
Friulian	- u: - j   -   v o   1 i	n a: s		b σ - c ε
Romanian	$\begin{vmatrix} v & 0 & - & - & 1 & 1 & - & - \\ - & 0 & - & k^j & - & - & - & - \end{vmatrix}$	n a: s		b σ - c ε b u - k ə
II VULLICITICILI	UN	11 α δ		vu K d

	Mouth-Gula	Wing	Neck	Breast
Latin	g u l a	a: 1 a	k - o l l u m	s i n u s
French	g œ l -	e 1 -	k - u	s   e   -   -   -
Spanish	g o l a	a l a	k w e - j o -	s e n o -
Italian	g o l a	a 1 a	k - o 1 1 o -	s e n o -
PortugueseBrazi		a	k -   ɔ   -   l   u   -	s ej - u -
Portuguese		a   -   -	k -   o   -   l   u   -	s ej - u -
Catalan	g o l ə	a 1 ə	$-  \lambda  -  \lambda $	s i
Walloon	g ø: j -	e 1 -		
Friulian	g o l e	a 1 e	$ \mathbf{k} \mathbf{w}   \mathbf{\epsilon}  -  \mathbf{l}  -  \mathbf{r} $	s e n
Romanian	g u r ə			s a n
	Breast-Pectus	Heart	Heart-Anima	Liver
Latin	p - e k t u s	k - o r -	a n i m a	f - i: k a: t u m
French	p - i	k   -   œ   в   -	a m -	f w a
Spanish	p - e - tf o -		a   1   -   m   a	-   -   i   y   a   ð   o   -
	$p - \epsilon t t o -$	k w o r e	a l - m a	f - e g a t o -
PortugueseBrazi	p   -   ej   -   t   u   -		a w - m e	$ \mathbf{f}  -  \mathbf{i}  \mathbf{g}  \mathbf{e}  \mathbf{d}  \mathbf{u} $ -
Portuguese	p - ej - t u -	k - o r -	a l - m e	f - i y e ð u -
Catalan	p   -   i   -   t   -   -	k - o r -		f - e d ə
Walloon		k - u: r -	o:   -   m   -	f - ø: t
Friulian	p   -   ε   -   t   -   -		a n i m e	f - i j a: t
Romanian	p   j   e   p   t   -   -		i n i m ə	f - i k a t
	Sun	Sun-Soliculus	Moon	Star
Latin	s o: l e m	s o l i k u l u s	l u: n a	- s t - e: 1 1 a
French		s   2   1   ej   -   -   -   -	l y n -	e - t w a - 1 -
Spanish	s o 1		l u n a	e s t r e - j a
Italian	s o l e -		l u n a	- s t - e l l a
PortugueseBrazi	$ \mathbf{s} \mathbf{o} \mathbf{w} $ - $ \mathbf{o} $		1  u   -   e	i   s   t   r   e   -   l   ɐ
Dantuavia	- - 1		1	:
Portuguese	s o l		l u - e	i f t r e - l e
Catalan	s   3   1   -   -     s   3   1   3   -		Λ u n ə l ø n -	ə s t - ε - 1 - - s t - ø: - 1 -
Walloon Friulian	8 3 1 3 -	s o r e - 1 i -		- s t - Ø: - 1 - - s t - ε - 1 e
Romanian	s re	2 0 1 6 1 1 1 -	1 u n e 1 u n ə	- s t - ε - 1 e - s t
Normaniali	Water	Rain	River	River-Rivus
Latin	a - k - a	p l u - w i a	f l u m e n	r i: w u s
Latin	a A a		1   1   U.   III   C   II	1   1.   W   U   3
French	0	p 1 q - - i -		в у
Spanish	a y w a	j - u - b j a		r i - o -
Italian	a k k w a	p j o d dz - a	f   j   u   m   e   -	r i - o -
PortugueseBrazi		∫ - u - v - e	f l u m i -	R I - W -
. Sitagassobiazi		J   G     0   0	-   -   **   ***   *	1-1-1 1**1
Portuguese	a   -   g   w   e	$\left  \int \left  - \left  u \right  - \left  v \right  - \right  e$	f l u m i -	
Catalan	aj - y w ə	p 1 u - 3 - ə		r i - w -
Walloon	ε: W -	b l n: - R		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Friulian	a - g - e	p 1 o j e	f   l   u   m   -   -	
Romanian	a - p - ə	p l j e		r   i   -   w   -
	F	Г		

	River-Riparia	Lake	Sea	Salt
Latin	r i: p - a: r i a	l a k u m	m a r e	s a: 1 e m
French	ві v j е в	1 a k	m ε r -	s ε 1
Spanish		1 a g o -	m a r -	s a 1
Italian		lago-	m a r e	s a l e -
PortugueseBrazi		lagu-	m a r c	s a w
i ortuguesebrazi		1   a   g   u   -	III a B	s a w
Portuguese		1   a   y   u   -	mar -	s a 1
Catalan		Λ a k	m a r	s a l
Walloon	r   i   v   i:   -   в   -   -	1 a k	m e r -	s e
Friulian	1   1   V   1.   -   B   -   -	1 a: t	m a: r -	s a: 1
Romanian		1 a t 1 a k		
Nomanian	C a with		m a r e	s a r e -
Lotin	Earth	Cloud n u: b e: s	Cloud-Secondary	Fog
Latin	t - e r r a		$\Pi \mid u: \mid D \mid 1 \mid 1 \mid u \mid S$	k a: l i: g i n e m
French	t - e - r -	n y	1-    1   -	1-1-1-1
Spanish	t j e - r a	n u b e -	n u b - 1 o -	kaliina-
Italian	t - ε r r a	n u b e -	n u v o l a -	kalidgine-
PortugueseBrazi	t   -   e   -   R   B	$ n u v \tilde{e}\tilde{j} $ -	$ \mathbf{n}   \mathbf{u}   \mathbf{b}   \mathbf{l}   \mathbf{a}   \mathbf{d}   \mathbf{u} $	k a l i 3 ej
Dortuguese	t   -   ε   -   в   е		n u b l a d u	k e 1 i 3 êj
Portuguese		$ \mathbf{n} \mathbf{u} \mathbf{v} \mathbf{\tilde{e}\tilde{j}} $ -		K   E   I   I   3   EJ   -   -   -
Catalan Walloon	$t - \varepsilon - r \vartheta$		$ \mathbf{n} \mathbf{u} \mathbf{\beta} \mathbf{u} 1 $ -	
	t - E: - R -			
Friulian	t j ε - r e		n u: 1	
Romanian	ts - a - r ə		n o r	
1 -41-	Fog-Nebula	Fog-Tenebrae	Fog-Tenebras	Fog-Fumata
Latin	n - e - b u l a	t e n e: b r aj	t - e n - e: b r a: s	f u: m a: t a
French	n j o 1 y		t - e n - ε b в	f y m e
Spanish	n j e - b - l a		t - i n j e b l a s	f u m a t a
Italian	n - e b b - j a	t e n e b r e	t   -   ε:   n   -   e   b   r   e   -	f u m a: t a
PortugueseBrazi	$ n  -  \epsilon  -  v w  -  \epsilon $			f u m a s e
D				
Portuguese	$ n  -  \epsilon  -  v   w  -  e $		t r e v - e f	f u m a s e
Catalan	$ \mathbf{n}  -  \mathbf{e}  -  - \mathbf{w}  1   \mathbf{a}$		$ t  -  \vartheta  n  - e  b  r  \vartheta  s $	
Walloon				
Friulian				f u m a t e
Romanian	n e g u r ə	Class	\\/im_d	loo.
Latin	Fog-Caecia	Sky	Wind	lce
Latin	k aj k i a	k - aj l u m	w - e n t u m	g e l u:
French		$\begin{vmatrix} s & j & \epsilon & 1 \end{vmatrix} - \begin{vmatrix} -1 & -1 \end{vmatrix}$	$ \mathbf{v}  -  \tilde{\mathbf{a}}  -  - - $	3 ε 1 -
Spanish		$\begin{vmatrix} \theta & j & e & 1 & o \end{vmatrix}$	b j e n t o -	j e l o
Italian		$ \mathfrak{t}  -  \epsilon  1  o  -$	$ \mathbf{v}  -  \mathbf{\varepsilon}  \mathbf{n}  \mathbf{t}  \mathbf{o}  \mathbf{c} $	dz ε 1 ο
PortugueseBrazi		$ s  -  \epsilon   w  -  -$	$ \mathbf{v} $ - $ \mathbf{\tilde{e}} $ - $ \mathbf{t} \mathbf{u} $ -	
Dortuguess				
Portuguese		S   -   ε   W   -   -	$ \mathbf{v}  -  \tilde{\mathbf{e}}  -  \mathbf{t}   \mathbf{u}  -  \mathbf{v} $	
Catalan		s   -   \varepsilon   1   -   -	b - e n	3   ε   1   -
Walloon		S   -   i:   R   -   -	v -	
Friulian		tf   -   i:   1   -   -	v - i n t	1
Romanian	tf   tf   -   ə	tf - e r - -	v - i n t	dg e r -

	Smoke	Fire-Focus	Ash	Ash-Cinisia
Latin	f u m u s	f - o k u m	k i n e - r e m	
French		f - Ø	$ s  \mathfrak{a}  - - \mathfrak{q}  \mathfrak{R}  - - $	
Spanish	- u m o -	$ \mathbf{f}  \mathbf{w}  \mathbf{e}  \mathbf{g}  \mathbf{o} $		$ \theta e n i \theta a $
Italian PortugueseBrazi	f u m o -	f w o k o - f - o g u -	tf   e   n   e   -   r   e   -	
Fortuguesebrazi	1   u   III   u   -	1   -  0   g   u   -		$ \mathbf{s}  \mathbf{\tilde{i}} -  \mathbf{z}  \mathbf{g}  $
Portuguese	f  u  m  u   -	f   -   o   y   u   -		$ \mathbf{s}  \mathbf{\tilde{i}}   -   -  \mathbf{z}  \mathbf{e}   \mathbf{\tilde{j}}$
Catalan	f u m	f - 3 k	$ s  \epsilon  n  -  d  r  a  -$	
Walloon		f - ø:	s   e:   -   -   d   -   -   -	
Friulian	f u m	f - u: k		tf i n i z ε -
Romanian	f u m	f - o k	D Di	tf e n u f ə -
Latin	Night n - o c t e m	Day d i e: s	Day-Diurnus	Day-Diurna
French	n q i	u   1   c.   s	3 - u s	
Spanish	n - o - tf e -	d i a -	d j u r n o -	
Italian	n - o t t e -	d   i   -   -	dy - o r n o -	
PortugueseBrazi	n - oj t i	d i e		3 2 K U a
Portuguese	n - oj t i - -	d i e -		з э в n a
Catalan	n - i - t	d i ə -	3 - o r n	3   3   B   II   a
Walloon	n - y - t	dy u:	dg - u:	
Friulian	n - o - t	d i	-3	
Romanian	n - p t e -	z i		
	Day-Diurnata	Year	Name-Nomen	Name-Nominem
Latin	d i u r n a: t a	a n n u m	n o: m e n	n o m i n - e m
French Spanish	3 - u в n е х - о r n a d a	$\begin{vmatrix} \tilde{\mathbf{a}} \\ \mathbf{a} \end{vmatrix} - \begin{vmatrix} - \\ \mathbf{p} \end{vmatrix} \mathbf{o} \end{vmatrix} - \begin{vmatrix} - \\ \mathbf{o} \end{vmatrix}$	$ \mathbf{n}  \tilde{\mathfrak{I}}  -  -  -$	n o m - b r e -
Italian	dy o r n a t a -	a n n o -	n o: m e -	
PortugueseBrazi		e - n u -	n o m i -	
Portuguese		e - n u -	$n \mid o \mid m \mid i \mid -$	
Catalan Walloon		$\begin{vmatrix} \mathbf{a} & - & \mathbf{p} & - & - \\ \mathbf{\tilde{a}} & - & - & - & - \end{vmatrix}$	n o m n o	
Friulian	dz - o r n a d e	a   -   n   -   -	n o n	
Romanian		a n	n u m e -	
	Tongue	ToDrink	ToEat	ToEat-Manducare
Latin	1   i   n     -   a	b i b - e r e	k o m e d e r e	m a n d u k a: r e
French	$\begin{vmatrix} 1 & \tilde{\alpha} \end{vmatrix} - \begin{vmatrix} g & - \end{vmatrix} - \begin{vmatrix} -1 & -1 \end{vmatrix}$	p w a r -	1	m a - 3 e
Spanish	l e ŋ g w a	b e b - e r - b e r e	k o m e r -	mandukar-
Italian PortugueseBrazi	l i n g w a	р е р – е в – р е – – ц е	k o m e	m a n dg a r е
i ortuguesebrazi	111   9   W   6		K O III C	ш о   5    а в
Portuguese	1   î   -   g   w   e	b   i   β   -   e   r   -	k u m -   -   e   r   -	$ \mathbf{m}  \tilde{\mathbf{e}}   -  \mathbf{g}  -  - \mathbf{a}  \mathbf{r}  $
Catalan		b ε w -   -   r   ə		m ə n ʒ a
Walloon	1   e   -   -   -	p   -   -   @:   R   -		m a n i:
Eriulian		b   e   v   i   -   -   -		m a n t l a
Friulian Romanian	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	b e v 1		m a ŋ ȝ a: m ɨ n k a
i voittaittalt	1 1 III D 8	U		mi i li -   K a   -   -

	ToBite	ToBite-Morsicare	ToSuck	ToSpit
Latin	m - o r d e: r e	m o r s i k a: r e	s u: g e r e	k o n s p u e r e
French	ш - о в q - в -		s y s e	k 5 - s p y e
Spanish	m - o r ð e r -	m o - s - k a r -		
Italian	$\mathbf{m}$ - $\mathbf{a}$ $\mathbf{r}$ $\mathbf{d}$ $\mathbf{e}$ $\mathbf{r}$ $\mathbf{e}$	m o r s i k a r e		
PortugueseBraz	m   -   o   r   q   e   r   -	m u - s ə g a	s   u   g   a   в   -	k   u   -   s   p   i   в   -   -
Portuguese	$ \mathbf{m}  -  \mathbf{u}  \mathbf{r}  \mathbf{\delta}  \mathbf{e}  \mathbf{r} $	m u - s ə g a r -	s u g a r	
Catalan		m  u  -  s		
Walloon			s y s i:	
Friulian Romanian	$ \mathbf{m} \mathbf{w} \mathbf{a} \mathbf{r} \mathbf{d} \mathbf{i} $ -	m u r s e k a - -	c u c a: s u dz e	
Nomanian	ToSpit-Exconspuere	ToSpit-Sputare	ToKnow	ToKnow-Sapere
Latin	100pit-Exconspacie	- s p u t e r e	s k i: r e	s a p - e r e
French				savwar -
Spanish	e s k u - p i r	e s p u t a r -		sab-er-
Italian	1 1 1 1 1 1	- s p u t a r e		sap-ere
PortugueseBraz				s   a   b   -   e   u   -
Portuguese				s   e   b   -   e   r   -
Catalan	ə s k u - p i -			ς θ β - ε
Walloon	$ \theta S K u  p I $			s a v - ø: r -
Friulian		s p u d a:		s a v - e:
Romanian	- s k u j p a -	F	$\int  \mathbf{t}  \mathbf{i}  $ - $ $ -	
	ToKnow-Cognoscere	ToThink	ToThink-Pensare	ToFear
Latin	k o g n o: s k e r e	k - o: g i t a: r e	p e: n s a: r e	t i m e: r e
French	k σ - n ε - t в	k q i d e	$p  \tilde{\alpha}  -  s  e  - -$	
Spanish	k o - n o θ e r	kwidar-	p e n s a r -	t e m e r -
Italian Portuguas Braz	ko-noffere	k - odgitare	p e n s a r e	t e m e r e
PortugueseBraz		k   -   u   3   i   t   a   в   -	$p \mid \tilde{e} \mid - \mid s \mid a \mid \mathfrak{u} \mid -$	t   e   m   e   в   -
Portuguese	k u - p i s - e r -	k - u 3 i t a r -	p   e   -   s   a   r   -	t i m e r -
Catalan	k u - n ε ∫ - ə	k - u - j d a	p   ə   n   s   a   -   -	t e m ə
Walloon	k i - n o h		$ \mathbf{p}  \mathbf{\tilde{\epsilon}}   -  \mathbf{s}  \mathbf{e}   -   -$	
Friulian	k o - n o s - i		p e n s a:	t e m i
Romanian	k u - n   f t e	k - u dz e t a	p ə - s a	t e m e
1 - 41	ToFear-Tremere	ToSleep	ToLive	ToDie
Latin	t r e m - e r e	d - о r m i: r е	w i: w e r e	m u r i r -
French Spanish	к в ё - d - в -	q - o t m i t - q - o r m i r -	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	m o t i t -
Italian	t r e m - a r e	d - o r m i r e	v i v e r e	m o r i r e
PortugueseBraz		q - o R m i R -	v i v e r e	morer-
	1-1-1-1-1-1	1 1-1 1 1-1		
Portuguese	$t \mid r \mid i \mid m \mid - \mid e \mid r \mid -$	d  -  u  r m i r -	$v \mid i \mid v \mid e \mid r \mid$	muker-
Catalan		d - u r m i	$ \mathbf{b}  \mathbf{i}  \mathbf{w} $ - $ \mathbf{r}  \mathbf{a}$	m u r i
Walloon		d w a в m i		m o R i
Friulian Romanian	t   r   i   m   -   a:   -   -	d - u r m i:	v i v i	m u r i:
		d - o r m i	v   i   -   a   -   -	m u r i

	ToKill	ToKill-Adnecare	ToKill-Tutari	ToKill-Mactare
Latin	n - e k a: r e	1 or tim 7 tarresars	t u: - t a: r i	m a k t a: r e
French	n w aj e		t - q - e	m a - t e
Spanish	11   11   12   1	a - n e g a r -		ma-tar-
Italian		annegare		
PortugueseBrazi				m a - t a r -
i ortagaccobrazi				ma   tab
Portuguese				me-tar
Catalan	n -   ə   g   a   -   -			m ə - t a
Walloon	11   0   9   4		t  u  w -  e   -   -	
Friulian				m a tf - a:
Romanian	n - e k a			111/4   9     411
	ToKill-Occidere	ToFight	ToFight-Battuere	ToHunt-Captiare
Latin	o k k i: d e r e	p u g n a: r e	battuere	k a p t i a: r e
French	э k s i в -	1   0   0   1   1	b a t в	$\int a - s - e - $
Spanish		p   u   -   n   a   r   -	b a - t - i r -	k   a   -   θ   -   a   r   -
Italian	u t tf i d e r e	punnare	batt-ere	kat tf - ar e
PortugueseBrazi		1 13 13 13 13	b a - t - е в -	ka-s-ar-
Portuguese			b e - t - e r -	k   e   -   s   -   a   r   -
Catalan	u k s i	p   u   -   n   a   -   -	b a - t r ə	k ə - s - a
Walloon			b a t - e	tf ε - s - i:
Friulian			b a t - i	c a - tf - a:
Romanian	u - tf i d e - -		b a t - e	1 1 1 3 1 1 1 1
	ToHit	ToCut	ToCut-Curtare	ToCut-Excurtare
Latin	p u l s a: r e	s - e k a: r e	k u r t a: r e	e k s k u r t a: r e
French	p u - s e	s   j   e   -   -   -		e k u r t e
Spanish	p u - x a r -	s - e g a r -	kortar-	
Italian	p u l s a r e	s - e g a r e		s k o r t a r e
PortugueseBrazi	p   u   -   J   a   r   -	s - e g a в -	k o r t a r -	
Portuguese	$ \mathbf{p} \mathbf{u} $ - $ \int  \mathbf{a} \mathbf{r} $ -	s - i y a r -	$ \mathbf{k} \mathbf{u} \mathbf{r} \mathbf{t} \mathbf{a} \mathbf{r} $ -	
Catalan		$ s  -  \vartheta  \gamma  a  -  -$		
Walloon				
Friulian	p u 1 s a:	s   -   e   -   a:   -   -		-   -   s   k   u   r   t   a:   -   -
Romanian	p u 1 s a			- - s k u r t a - -
	ToCut-Taliare	ToSplit	ToSplit-Scindere	ToSplit-Findere
Latin	t a: - l i a: r e	d i: w i d e r e	s k i n d e r e	f i n d e r e
French	t a j e		$ s  -  \tilde{\epsilon}  -  d e  -  -$	f a - d - r -
Spanish	ta-x-ar-	d i b i d i r -		e n d e r -
Italian	t a - A A a: r e	d i v i d e r e	$\left  \int \left  - \right  i \left  n \right  d \left  e \right  r \left  e \right $	f ε n d e r e
PortugueseBrazi	t a - A - a r -	q2 i n i q2 i n -		$ \mathbf{f}  \mathbf{\tilde{e}}   -  \mathbf{d}  \mathbf{e}   \mathbf{r}  $
Dortuguese				
Portuguese	t   e   -   A   -   a   r   -	d   i   v   i   ð   i   r   -		$ f \tilde{e}  -  d e r $
Catalan	$ \begin{vmatrix} t &   \mathbf{a} &   \mathbf{a} &   \mathbf{a} &   \mathbf{a} \\ \mathbf{b} &   \mathbf{a} &   \mathbf{a} &   \mathbf{a} \end{vmatrix} $	$\left  \begin{array}{c c c c c c c c c c c c c c c c c c c $		f ε n d - r ə
Catalan Walloon	t   e   -   Λ   -   a   r   -   t   θ   -   Λ   -   a   -   -     t   ε   -   -   j   ir   -   -	d   i   b   i   d   i   -   -		
Catalan	$ \begin{vmatrix} t &   \mathbf{a} &   \mathbf{a} &   \mathbf{a} &   \mathbf{a} \\ \mathbf{b} &   \mathbf{a} &   \mathbf{a} &   \mathbf{a} \end{vmatrix} $			f ε n d - r ə

	ToSplit-Partire	ToSplit-Separare	ToStab	ToStab-lugulare
Latin French	partire	s e: p a r a: r e -	p - u n g e r e	j u g u l a: r e
Spanish	partir-	s e p a r a r k e	$ p \mathbf{w} \mathbf{\tilde{\epsilon}} - q - \mathbf{r} -$	3   y   g   y   1   e   -   -
Italian	partire	s e p a r a r e -	p -   u   n   dz   e   r   e	j u g u l a: r e
PortugueseBrazi	$\begin{bmatrix} b & a & R & f \end{bmatrix} \begin{bmatrix} i & R \end{bmatrix}$	s   e   p   a   t   a   R   -   -	$ \mathbf{p}  -  \mathbf{\tilde{u}}  -  3 \mathbf{i} \mathbf{R} $	
Portuguese	p   e   r   t   i   r   -	s   i   p   e   r   a   r   -   -	$ \mathbf{p} $ - $ \mathbf{\tilde{u}} $ - $ \mathbf{g} \mathbf{i} \mathbf{r} $ -	
Catalan	pərti-	s ə p ə r a	p - u n - i	
Walloon	p 5: R t i			
Friulian	p   a   r   t   i:   -   -	s e p a r a:		
Romanian	TaCaratah	s e p a r a ToScratch-Rasare	p u n dz e	Ta Canatab Castiana
Latin	ToScratch	Toscrator-Rasare	ToScratch-Rasicare	ToScratch-Coctiare
French	1   a   u   c   1   c			
Spanish	r   a   -   e   r   -	r a s a r -	r a s k a r	
Italian	r a d e r e	r a s a r e		
PortugueseBrazi	R   S   -   6   R   -	R   S   S   R   -	$\mathbf{R} \mid \mathbf{a} \mid \mathbf{l} \mid \mathbf{k} \mid \mathbf{a} \mid \mathbf{R}$	k o s a 1
Portuguese	в в - в г -		в   в   у   k   а   г	k u s a r
Catalan	r a w - r ə	r ə z a	rəska-	1.1.1.1.1
Walloon				
Friulian	r a d a:	r   a   s   a:   -   -		
Romanian	r a d e	TaDia Cayana	TaDia Evenyera	TaCivina
Latin	ToDig f o d e r e	ToDig-Cavare k a w a: r e	ToDig-Excavare	ToSwim  n - a t a r e
French	fwiB			
Spanish		k   a   b   a   r   -	e   s   k   a   b   a   r   -   -	n - a d a r -
Italian		k a v a r e	-   -   s   k   a   v   a   r   e	n w o t a r e
PortugueseBrazi		k   e   v   a   e   -	i   -	n   -   a   d   a   в   -
Portuguese		kevar-	i   -   f   k   e   v   a   r   -	n -   e   ð   a   r   -
Catalan		k ə b a		n -   ə   d   a   -   -
Walloon		ç a: v - 1 e		
Friulian Romanian		<b>J</b>   <b>a</b>   <b>v</b>   <b>a</b> :   -   -	-   -   z   f   a   v   a   -   -	n   -   a   d   a:   -   -
Nomanian	ToSwim-Navigare	ToFly	ToFly-Exvolare	ToWalk
Latin	n a v i g a: r e	w o l a: r e		
French	n a 3 e	v   o   1   e   -   -		∫ ə m i n e
Spanish	n a b e g a r -	bollar -		k a m i n a r
Italian PortugueseBrazi	n a v i g a r e	v o l a r e	z   v   o   1   a   f   e	k a m m i n a r e k m i n a r e
i ortuguesebrazi	$ 1   \mathbf{\alpha}   \mathbf{v}   1   \mathbf{y}   \mathbf{a}   \mathbf{B} $	V   O   -   A   B   -		K   6   III   1   JI   a   B   -   -
Portuguese	$ n e v i \gamma a r $	v   w   -   a   r   -		k e m i n a r
Catalan	n ə b ə g a	b   u   l   a   -   -		k ə m i n a
Walloon	n ε dz i:	v	_ - - - 1 -	tf i m i n e
Friulian Romanian	n a v i g a: n a v i g a		z v o l a: z b u r a	c   a   m   i   n   a:   -   -   -
Cilianian	11 a v 1 g a		20414	

	ToWalk-Marcher	ToWalk-Mergere	ToWalk-Ambitare	ToCome
Latin		m e r g e r e	a m b i t a: r e	w e n i: r e
French	m a r l e			v ə n i в -
Spanish			a   n   d   -   -   a   r   -	benic-
Italian		m ε r dg e r e	a n d a r e	v e n i r e
PortugueseBrazi			$\left  oldsymbol{\widetilde{g}} \right $ - $\left  oldsymbol{q} \right $ - $\left  oldsymbol{a} \right $ R $\left  oldsymbol{a} \right $	v   -   -   i   ʁ   -
Portuguese			$ \tilde{e}  -  d  -  - a r $	v i r -
Catalan				b ə n i
Walloon Friulian	m a: R   tf   i:			v   i   n   i   -   -   -
Romanian		m e r d e		v e n i
Nomanian	ToLieAsInABed	ToLieAsInABed-lacere	ToSit	ToSit-Sedentare
Latin	e k s t e n d e r e	j a - k e: r e	s - e d e: r e	s e d e n t a: r e
French	e - t <u>a</u> - q - <u>R</u>	3 e - z i k -	s w a r - r -	
Spanish	ekstender-	ja-θer-	s - e - r -	s e n t a r -
Italian	e - s t ε n d e r e	dga-tfe:re	s - e d e r e	
PortugueseBrazi	istē-deв	3 в - х е в -	s - e r -	s   e   -   -   t   a   r   -
Portuguese	$i \int t \tilde{e} - d e r$	3 e - z e r -	s  -  e  -  - r	$ s \tilde{e} - - t a r -$
Catalan	$ \mathfrak{d}  -  \mathfrak{s}  t  \mathfrak{e}  n  \mathfrak{d}  -  \mathfrak{c}  \mathfrak{d}$	3   a   w   -   -   r   ə		
Walloon		dz e r e -		
Friulian		j e - s i		s   e   -   -   n   t   a:   -   -
Romanian	e k s t i n d e	z ə - tf		<del></del>
Latin	ToStand	ToStand-Levare	ToStand-Altiare	ToTurnIntransitive
French	$\begin{bmatrix} \varepsilon & - & \mathbf{t} & - & \mathbf{R} & - \\ - & \mathbf{s} & \mathbf{t} & \mathbf{g} & \mathbf{t} \end{bmatrix}$	1 e v a. 1 e 1 ə v e		t u k n e
Spanish	e s t a r	j e b a r -	- o - s - e - a 1 θ - a r -	tornar-
Italian	- s t a r e	l e v a r e	- a l ts a r e -	t o r n a r e
PortugueseBrazi		l e v a r -	- a t s - a	toruar.
	1 13 1 - 1 - 1		1 1 1 1 1 1 1 1 1	
Portuguese	$ \mathbf{i}  \int  \mathbf{t}  \mathbf{a}  \mathbf{r} $	1   i   v   a   r   -	-   a   <del>1</del>   s   -   a   r   -	t u r n a r -
Catalan	ə s t a	К ə b а	-   ə   1   s   -   a   -   -	t u r n a
Walloon	ε   s   -   -   -	1   ə   v   e   -   -	h   3:   -   s   -   i:   -   -	t u: r n e
Friulian	- s t a:	1 e v a:	$-  \mathbf{a}  1  \mathbf{t}  \int  - \mathbf{a}  -$	t o r n a:
Romanian	-   s   t   a   -   -	-   u   a   -   -		t u r n a
		ToTurnIntransitive-Ancestr		
Latin	g y r a: r e		t o r k e: r e	k - a d e r e
French	3   і   в   е   -   -	v i r e - -	t   2   R   q   -   R   -	$\int  \mathbf{w}  \mathbf{a}   -   -  \mathbf{r}  -$
Spanish	x i r a r -	b i r a r -	t o r $\theta$ e r -	k - a - e r -
Italian	dg i r a r e	v i r a r e	t o r tf e r e	k - a d e r e
PortugueseBrazi	z i r a r -	v i r a r -	t u r s e r -	k - e - i r -
	J	1 1 1 1 1 1 1 1		
Portuguese	3 i r a r -	3 i r a r -	t u r s e r -	k - e - i r -
Catalan	3 i r a	b   i   r   a   -   -	t   2   r   8   2   -   -	k - a w - r ə
Walloon		v i k e		tf - ε: R -
Friulian	dg   i   r   a:   -   -	dz i r a:		tf j a d e
Romanian			t r f e	k ə d

	ToFall-Tumbare	ToHold	ToHold-Segurar	ToSqueeze
Latin	i o a i i a i i a i i a i a i a i a i a	t e n - e: r e	10.10.d Cogara	e k s p r i m - e r e
French	t   õ   -   b   e   -	tən-ir-		$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
Spanish	t u m b a r	t e n - e r -	s e g u r a r	eksprem-ir-
Italian		t e n - e r e	5   C   9   u   1   a   1	- s p r ε m - e r e
PortugueseBrazi	+   a     b   a   v		s i g u r a r	
Fortuguesebrazi	$ \mathbf{t} \mathbf{O}  -  \mathbf{D} \mathbf{a} \mathbf{B}$	t   e   -   -   R   -	$s \mid \mathbf{i} \mid g \mid \mathbf{u} \mid \mathbf{i} \mid \mathbf{a} \mid \mathbf{B}$	i   -   1   p   r   9   m   -   6   R   -
Portuguese	t   õ   -   b   a   r	t   e   -   -   r   -	$ s  i  \gamma  u  \Gamma  a  \Gamma $	i   -   <b>5</b>   <b>p</b>   <b>r</b>   <b>ə</b>   <b>m</b>   -   <b>e</b>   <b>r</b>   -
Catalan	t u m b a -	t ə n - i	3   1   3   4   1   4   1	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
Walloon	t u m - e -	t i n - i		
Friulian	t  u  III  -  e   -			
		t i n j i		e - s p r i m - i
Romanian	T. 0	ts i n - e	T 0	- s k - r e m e
Latin	ToSqueeze-Serrere	ToSqueeze-Serare	ToSqueeze-Appectorare	ToSqueeze-Stringere
Latin	s e r r e r e	s e - r a r e	a p p e k t o r a: r e	- s t r i n g e r e
French		s e - R e		$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
Spanish	s   e   -   r   a   r   -	$ \theta  e - r a r -$	a  -  p  -  - r e t a r -	e s t r e n - i r -
Italian		s e r r a r e		- s t r i n dz e r e
PortugueseBrazi	s   e   -   R   a   -   -	s   i   -   B   a   f   -	$ \mathbf{e}  -  \mathbf{p}  \mathbf{i}   -  \mathbf{r}  -  \mathbf{t}  \mathbf{a}  \mathbf{r}  -$	$ \partial \int  f  r  \tilde{I}  -  \tilde{J}  i  r  -$
Portuguese	s ə - R a r -	s   i   -   u   a   r   -	e - p i - r - t a r -	$ \partial \int  \mathbf{r}  \mathbf{r}  \mathbf{r}  \mathbf{r}  \mathbf{r}  \mathbf{r}  \mathbf{r}  -  \mathbf{r} $
Catalan	s ə - r a	3 1   1   1   1		əstrepə
Walloon	S   <del>S</del>   -   1   <del>a</del>   -   -	s   ε   -   R   e   -   -		s t r i n g e
Friulian		S E - R E		stilinge
				s t r ε n g i:
Romanian	TaDuk	TaDuk Cufriagna	ToDuk Frietore	s t r i n dz e
Latin	ToRub f r i k a: r e	ToRub-Exfricare	ToRub-Frictare	ToRub-Frictiare
French	f k ej e		f   B   O   t   e   -   -   -	
Spanish	fregar-		f r o t a r	f r i s a r
Italian	f r e g a r e		f r e t t a r e	1 1 1 3 4 1
PortugueseBrazi		$ \mathbf{i}  \int  \mathbf{f}  \mathbf{r}  \mathbf{i}  \mathbf{g}  \mathbf{a}  \mathbf{r}$	r   e   t   t   a   r   e	
Fortuguesebrazi		f   J   I   I   f   g   a   I		
Portuguese		i   f   r   i   y   a   r		
Catalan	f   r   ə   g   a   -   -	-   J   -   -   -   8   \alpha   -		f r ə s a -
Walloon	f r oj		f   <b>B</b>   <b>o</b>   <b>t</b>   <b>e</b>   -   -   -	1   1   Θ   3   α
Friulian	f r e - a			
Romanian	f r e k a			
. Comanian	ToWash	ToWipe	ToWipe-Extergere	ToWipe-Exsucare
Latin	l a w a: r e	t e r g e r e	e k s t e r g e r e	e k s - u: k - a: r e
French	1 a v a 1 c	101119101110		e - s y i - j e
Spanish	1 a v C			C S Q I J C
			e - s t a c s i c -	e n y - 11 d - 2 c -
I I	1 a β a r -	t c r d a r o	e  -  s  t  a  r  s  i  r	e n x - u g - a r -
Italian	l a β a r - l a v a r e	$ t \epsilon r dg e r e$	e  - $ s $ $t$ $ a $ $r$ $ s $ $i$ $ r $ -	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
I I	l a β a r - l a v a r e	$ t \epsilon r dg e r e$	e  -  s  t  a  f  s  i  f	e n x - u g - a r -
Italian PortugueseBrazi	1 a β a r - 1 a v a r e 1 e v a r -	$ t \epsilon r dg e r e$	e  -  s  t  a  r  s  i  r  -	$ \left  \begin{array}{c c c c c c c c c c c c c c c c c c c $
Italian PortugueseBrazi Portuguese	1 a β a r - 1 a v a r e 1 e v a r - 1 e v a r -	$ t \epsilon r dg e r e$		$ \begin{vmatrix} e & n & x & - & u & g & - & a & r & - \\ a & \int \int & - & u & g & - & a & r & e \\ \tilde{e} & - & \int & - & u & g & - & a & r & - \\ \end{vmatrix} $
Italian PortugueseBrazi Portuguese Catalan	1 a β a r - 1 a v a r e 1 e v a r -  1 b v a r -  1 b a b a -	$ t  \epsilon  r  dg  e  r  e $	$\begin{vmatrix} e & - & s & t & a & f & s & i & f \end{vmatrix}$	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
Italian PortugueseBrazi Portuguese Catalan Walloon	1 a β a r - 1 a v a r e 1 e v a r - 1 a v e - 1 a v e -	$ t  \epsilon  r  dg  e  r  e $		$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
Italian PortugueseBrazi Portuguese Catalan	1 a β a r - 1 a v a r e 1 e v a r -  1 b v a r -  1 b a b a -	$ t \epsilon r dg e r e$		$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$

	ToWipe-Limpidare	ToPull	ToPull-Pulsare	ToPull-Trahere
Latin	l i m p i d a: r e	t i r a: r e	p u l s a: r e	t r a h e r e
French		t i в e	p u - s e	t   <b>R</b>   -   -   ε   <b>R</b>   -
Spanish	l   i   m   p   j   -   a   r   -	t i r a r -	p u - x a r -	
Italian		t i r a r e	p u l s a r e	t r a r - r e
PortugueseBrazi			$p u  -  \int  a  r $	t   r   a   z   e   -   -
Portuguese	1   î   -   p   -   -   a   r   -	t i r a r -	$ p u  -  \int  a r $	t r e z e r -
Catalan	1   1   P	t i r a	P   a       J   a   1	t r e w - r ə
Walloon		t i r e	p u: s i:	
Friulian		t i r a:	p u 1 s a:	t   r   aj   -   -   -
Romanian			p u 1 s a	t r a dz e
	ToPush	ToThrow	ToThrow-Lanceare	ToThrow-Eruncare
Latin	i m p i n g e r e	j a k t a: r e	l a n k e a: r e	e: - r u n k a: r e
French		3 9 - t e	$\begin{vmatrix} 1 & \tilde{\alpha} \end{vmatrix} - \begin{vmatrix} s & - & e \end{vmatrix} - \begin{vmatrix} - & - & - \end{vmatrix}$	
Spanish		- e - tf a r -	$\begin{vmatrix} 1 & a & n & \theta \end{vmatrix} - \begin{vmatrix} a & r \end{vmatrix} - \begin{vmatrix} a & r \end{vmatrix}$	a - r a n k a r -
Italian	i  m  p   i  n  dʒ   e   r   e	dzettare	l a n tf a r e -	a r r o n t a r e
PortugueseBrazi		3   ej   t   a   r   -   -	$ 1 \widetilde{e} - s - a - -$	
Portuguese		3   ej   t   a   r   -   -	l   e   -   s   -   a   r   -	
Catalan	$ \mathfrak{d} m \mathfrak{p} \mathfrak{e} \mathfrak{n} - \mathfrak{d} - -$	x i t a	$\Lambda = \Lambda =$	
Walloon	F   -   J -     -	dz ε t e	1 a n c - i:	
Friulian		31 1 1 1 1	1 a n tf a:	
Romanian	impindel-			a   -   r   u   ŋ   k   a   -   -
	ToTie	ToTie-Aptare	ToSew	ToCount
Latin	l i g a: r e	a p t a r e	k o: n - s u e r e	k o m p u t a: r e
French	1 i - e		k u - d в -	k õ t e
Spanish	l e g a r -	a   -   t   a   r   -	k o s - e r -	kontar-
Italian	l e g a r e		k u tf - i r e	kontare
PortugueseBrazi		e   -   t   a   r   -	$ \mathbf{k} \mathbf{u} $ - $ \mathbf{z} $ - $ \mathbf{e} \mathbf{r} $ -	
Portuguese		e   -   t   a   r   -	k  u   -   -   z   -   e   r   -	k   õ   -   -   t   a   r   -
Catalan	К i   y   a   -   -		k u z - i	k u m t a
Walloon	1 o j i:		k ø: z	k ő t e
Friulian	1 e - a:		k u z i	k o n t a:
Romanian	1 e g a		c - s - e	
	ToCount-Enumerare	ToSay	ToSay-Exponere	ToSing-AncestralClass
Latin	e: n u m e r a: r e	d i: k e r e	e k s p o: n e r e	k a n t a: r e
French	e n u m e r e	q i R -		$\int_{1} \left  \tilde{\alpha} \right  - \left  t \right  e - \left  - \right $
Spanish Italian	e n u m e r a r -	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		kantare
	e n u m e r a r e e n u m e r a r -	d i z - e r	-   -   s   p   o   r   -   r   e	kantare kë - tar-
i ortuguesebiazi				
Portuguese	e n u m e r a r -	d i z - e r		k   v   -   t   a   r   -
Catalan	enumera -	d i		k ə n t a
Walloon		d   i:   -   -   R   -		$ \mathbf{t}   \mathbf{c}   \mathbf{c}   \mathbf{c}   \mathbf{c}   \mathbf{c}   \mathbf{c}   \mathbf{c} $
Friulian		d   i:   -   -   -		c a n t a:
Romanian	- n u m a r a	z i   t f   e   -   -	-   -   s   p   u   n   e   -   -	k i n t a

	ToPlay-Ludere	ToPlay-Jiocare	ToFloat	ToFloat-Fluitare
Latin	l u: d e r e	j o - k a: r e	f l u k t u a r e	f l u i t a: r e
French		3   -   w   -   e   -   -	f l y k t y e	
Spanish	1   u   d   i   r   -	x u - g a r -	f l u g t w a r -	
Italian		dg o - k a r e	f l u t t u a r e	f   l   u   i   t   a   r   e
PortugueseBrazi		3   0   -   g   a   r   -	$ f   1   u  -  t   u   a   \mathfrak{s}  -$	
Portuguese		3 u - y a r -	f l u - t u a r -	
Catalan Walloon		3 u - g a d; u w - e	f   l   u   k   t   u   a  -  -	
Friulian		dy u j - a:		
Romanian		3 u - k a	f   1   u   c   t   u   a   -   -	
	ToFlow	ToFlow-Colare	ToFlow-Excurrere	ToFlow-Currere
Latin	f   1   u   e   r   e	k o: 1 a: r e	e k s k u r r e r e	k u r r e r e
French	f 1 y e	k   u   l   e   -   -		k u - r i r -
Spanish	f   1   u   i   r   -	k   o   l   a   r   -	$ \mathbf{e}  -  \mathbf{s}  \mathbf{k}  \mathbf{u}  \mathbf{r}  \mathbf{i}  \mathbf{r}  - $	k   o   -   r   e   r   -
	f l u i r e	k o l a r e	-   -   s   k   o   r   r   e   r   e	k o r r e r e
PortugueseBrazi	$ \mathbf{f}  1  \mathbf{w}  \mathbf{i}  \mathbf{k} $ -	k   o   -   a   r   -	$ \mathbf{i}  -  \mathbf{l}  \mathbf{k}  \mathbf{o}  -  \mathbf{r}  \mathbf{e}  \mathbf{r}  -$	
Portuguese	$ \mathbf{f}  1  \mathbf{w}  \mathbf{i}  \mathbf{r} $		i   -   f   k   u   -   R   e   r   -	
Catalan	f l u i	k u ł a	$\begin{vmatrix} \mathbf{a} & \mathbf{b} & \mathbf{c} & \mathbf{c} \\ \mathbf{a} & \mathbf{c} & \mathbf{c} \\ \mathbf{c} & \mathbf{c} & \mathbf{c} \\ \mathbf{c} \\ \mathbf{c} & \mathbf{c} \\ \mathbf{c} & \mathbf{c} \\ \mathbf{c} & \mathbf{c} \\ \mathbf{c} \\ \mathbf{c} & \mathbf{c} \\ \mathbf{c} \\ \mathbf{c} & \mathbf{c} \\ \mathbf{c} $	k o - r ə
Walloon		k o l e		K O I O
Friulian			-   -   s   k   o   -   r   i:   -   -	k   o   -   r   i   -   -
Romanian			- skurdze	kurdze
	ToFreeze	ToFreeze-Glaciare	ToFreeze-Inglaciare	ToBurn-Brojan
Latin	g e l a: r e	g l a - k i a: r e	i n g l a k i a: r e	
French	3 ə 1 e	g   1   a   -   s   -   e   -   -		b   r   h   1   e   -   -
Spanish	ellar -			
	dg e l a r e	g j a t f j a r e		b r u t a r e
PortugueseBrazi	3  ±  1  a   r   -			
Portuguese	3 i 1 a r -			
Catalan	3 ə 1 a	g   1   ə   -   s   -   a   -   -		
Walloon	dg a 1 e			b  в  u: 1  e  -  -
Friulian		g  1  a  -  tf  -  a:  -  -		b   r   u   z   a:   -   -
Romanian			i n g - e ts - a	
	ToBurn-Cremare	ToBurn-Flammare	ToBurn-Ardere	ToBurn-Flagrare
Latin	k r e m a: r e	f l a m m a: r e	a r d e: r e	f l a g r a: r e
French Spanish	kваme	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	a r q e r -	f 1 a g r a r - f 1 a g г a г -
Italian	k r e m a r e	f j a m m a r e	a r d e r e	f l a g r a r e
PortugueseBrazi		-   J	а в q е в -	flagkak-
Portuguese	k - ej m a ʁ e		a   a   a   a   a	f   1   a   g   r   a   r
Catalan	k r ə m a	f   l   a   m   a   -   -   -		
Walloon				
- · · · · · ·				
Friulian Romanian			a r d e - -	

	ToBurn-Incendere	ToBurn-AncestralClass8	All	All-Totus
Latin	i n k e n d - e r e	u s t u l a: r e	o m n e: s	t o: - t u s
French	$ \tilde{\epsilon}  -  s   \tilde{\alpha}  -  d   j   e  -  -$			t u
	e n θ e n d - e r -			t o - d o -
Italian	i n tf ε n d j a r e	u s t o l a r e	o   n   n   i   -	t u t t o -
PortugueseBrazi	ĩ - s e n dy i a r -		1 13 13 1	t o - d u -
3	3 1 1 1 1 3 1 1 1			
Portuguese	$ \tilde{\mathbf{i}}  -  \mathbf{s}  \tilde{\mathbf{e}}  -  \mathbf{d}  \mathbf{j}  \mathbf{a}  \mathbf{r}  -$			t o - ð u -
Catalan	ə n s e n d r ə			t o - t
Walloon				t   o   -   -   -
Friulian				d   u   -   t   -   -
Romanian	i n tf i n d 3 e	u s t u r a		t o - t
	Many	Many-Tantus	Some	Few
Latin	m u l t u s	t a n t u s		p a k u s
	m u		o - k œ	p ø
	m u - tf o -	t a n t o -	a l g u n o	p o k o -
	m o l t o -	t a n t o -	a l k u n o	p   3   k   0   -
PortugueseBrazi	$ \mathbf{m} \mathbf{\tilde{u}} \mathbf{j}  -  \mathbf{t} \mathbf{u} $	$ t \tilde{e} - t u -$	$ \mathbf{a} \mathbf{w} \mathbf{g} \mathbf{\tilde{u}} $ - $ \mathbf{c} $	powku
D 4	~   ~     .			1 1 1 1
Portuguese	$\mathbf{m} \left[ \tilde{\mathbf{u}} \right] \left[ \tilde{\mathbf{j}} \right] - \left[ \mathbf{t} \right] \mathbf{u}$	t e - t u -	$\begin{bmatrix} a & f & g & \tilde{u} \end{bmatrix} - \begin{bmatrix} -1 & \tilde{u} & \tilde{u} \end{bmatrix}$	p o w k u
Catalan	m o 1	t   a   n   t   -   -	a  1  g   u  -  a	p   3   k   -   -
Walloon				p   o   -   -   -
Friulian	m o l c m u l t	t   a   n   c   -   -		p o: k
Romanian	Other	Other-Alius	Big	Big-Grandem
Latin	a l t e r -	a l i u s	m a g n u s	g r a n d e m
French	0 - 1 - 1 - 1 -	u   1   1   u   3	$\mathbf{m}_{ \mathbf{u}  \mathbf{g} \mathbf{n}_{ \mathbf{u}  \mathbf{g}}}$	g r g
Spanish	$\begin{vmatrix} 0 & - & t & - & f & 0 \end{vmatrix}$		m a - n o -	grande-
Italian	a l t - r o		m a n n o -	g r a n d e -
PortugueseBrazi		a   w   -   -   -		grē-dzi-
				191 1-1 1-91 1
Portuguese	owt-ru	a 1		$ g  r  \tilde{e}  -  d  i  -$
Catalan	a 1 t - r ə			g r a n
Walloon	õ - t			g r g
Friulian	a   1   t   -   r   i			g r a n t
Romanian	a   l   t   -   -   -			
	Big-Majjorem	Long-Longum	Long-Largum	Wide
Latin	m aj j o: r e m	1 o - n g u s	l a r g u s	l a: t u s
French		1   3   -   -   -   -	1 ав 3	1 e
Spanish		1 o - n g o -	laryo-	1 a t o -
Italian		1 u - n g o -	1 a r g o -	1 a t o -
PortugueseBrazi		1   õ   -   g   u   -   -	$ 1 a \mathbf{g} \mathbf{g} $	1   a   t   u   -
D		1   ~	1	
Portuguese		1 õ - g u	l a r g u -	
Catalan		Λ o - ŋ	<b>м a r k</b>	
Walloon		1 0	1   0   v   Ir	
Friulian Romanian	m a r e	1 u n k 1 u n g	1 a r k 1 a r g	1  a   t   -   -

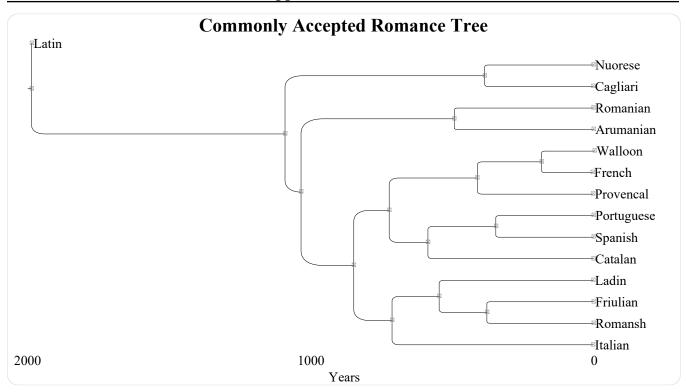
	Wide-Amplum	Thick	Thick-Spissum	Thick-Gurdum
Latin	amplus	k r a s s u s	-  s  p  i  s  s  u  s	g u r d u s
French	$ \tilde{a} $ - $ p $ $ 1 $ - $ -$	g r a	e - p e	
Spanish	a n t - o -	g r a - s o -	e s p e s o	g o r d o -
Italian	a m p j o -	g r a s s o -	- s p e s s o -	
PortugueseBrazi	e   -   J   -   u   -		$ e s p \epsilon - s u -$	
Portuguese	$ \tilde{\mathbf{e}}  -  \int  - \mathbf{u}  -$	$ g  \mathbf{r}  a  -  \int  \mathbf{u}  -$	i       p   e   -   s   u   -	
Catalan	amplə-	gra-s	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	
Walloon			-   s   p   ε   -   -   -	
Friulian		g r a s		
Romanian		g r a s		
Lotin	Thick-Grossum	Heavy	Heavy-Lurdus	Heavy-Pesant
Latin French	g r o	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	l u r u u s	p e: s a n t - p ə z ɑ̃
Spanish	<b>B</b>   <b>B</b>   <b>O</b>   -   -   -   -	grabe-	l e r d o -	p e s a - ð o
Italian	g r o - s s o -	$g r \epsilon - v \epsilon -$	l o r d o -	p e s a n t e
PortugueseBrazi		gra-vi	lerdo-	p e z a - d u
J				
Portuguese	$g \mid f \mid o \mid - \mid s \mid u \mid - \mid - \mid$	$ g  \mathbf{r}  a  -  v  \mathbf{i} -$	l   e   r   d   o   -	$p \mid i \mid z \mid a \mid - \mid \delta \mid u$
Catalan	g  r  o  -  s  -  -	$g \mid r \mid e \mid - \mid - \mid w \mid - \mid - \mid$		p   ə   z   a   -   t   -
Walloon		g r a v		
Friulian Romanian	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		pezant
Tomanan	Small	Small-Pittinus	Small-Pitulus	Short
Latin	p i t t i t u s	p i t t i n u s	p i - t u l u s	k u r t u s
French	p ə - t i			k u в
Spanish		m a 1, a m a		
		p   e   -   k   e   n   o   -		korto-
Italian		p i t t i n o -	p   i   k   k   o   1   o   -	k o r t o -
Italian PortugueseBrazi			p i k k o 1 o -	
PortugueseBrazi		$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	p i k k o 1 o	k   o   r   t   o   -   k   u   g   t   u   -
PortugueseBrazi Portuguese		p i t t i n o -	p i k k o 1 o	k   0   r   t   0   -
PortugueseBrazi Portuguese Catalan	p ə t i t - - -	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	p i k k o l o -	k   u   r   t   u   -   k   u   r   t   u   -   k   u   r   t   -
PortugueseBrazi Portuguese		$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	p i k k o 1 o  - $ p i - f u 1 - $ -	k   0   r   t   0   -
PortugueseBrazi Portuguese Catalan Walloon	$ \begin{vmatrix} p &   & \mathbf{i} &   & \mathbf{i} &   & \mathbf{i} &   &   &   &   &   &   &   &   &   & $	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	p i - tf u 1 - -	k   u   r   t   u   -
PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	p i - ʧ u 1 - - Narrow-Strictus	k   u   r   t   u   -
PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian Latin	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	p i - tf u 1 - - Narrow-Strictus  - s t r - i - k t u s	k   u   r   t   u   -
PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian Latin French	p   a   t   i   t   -   -   -   -   -   -   -   -   -	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	p i - tf u 1 - -    Narrow-Strictus  - s t r - i - k t u s  e - t s w a - - - -	k   u   r   t   u   -
PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian Latin French Spanish	p   a   t   i   t   -   -   -   -   -   -   -   -   -	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	p   i   -   t   u   1   -   -   -	k   u   r   t   u   -
PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian Latin French Spanish Italian	p   a   t   i   t   -   -   -   -   -   -   -   -   -	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	p   i   -   t   u   1   -   -   -	k   u   r   t   u   -
PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian Latin French Spanish	p   a   t   i   t   -   -   -   -   -   -   -   -   -	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	p   i   -   t   u   1   -   -   -	k   u   r   t   u   -
PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian  Latin French Spanish Italian PortugueseBrazi	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	p   i   -   t   u   1   -   -   -	k   u   r   t   u   -
PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian  Latin French Spanish Italian PortugueseBrazi Portuguese Catalan	p   θ   t   i   t   -   -   -   -   -   -   -   -   -	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	k   u   r   t   u   -
PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian  Latin French Spanish Italian PortugueseBrazi  Portuguese Catalan Walloon	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	k   u   r   t   u   -
PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian  Latin French Spanish Italian PortugueseBrazi  Portuguese Catalan	p   θ   t   i   t   -   -   -   -   -   -   -   -   -	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	k   u   r   t   u   -

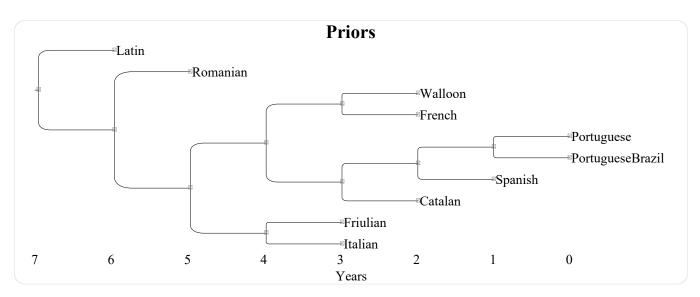
	Thin-Delicatus	Thin-Subtilis	Dry	Right-Dextrem
Latin	d e: l i k a: t u s	s u b t i: 1 e m	s i k k u s	d - e k s t r u m
French	d u: 3 e:		$s \mid \epsilon \mid - \mid k \mid - \mid - \mid$	
Spanish	d e l - γ a ð o - d e l i k a t o -	s u - t i l s o t t i l e -	s e - k o -	d j e - s t r o -
Italian	dellkato- dew-gadu-	s u - t i u	s e k k o - s e - k u -	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
Fortuguesebrazi	$ \mathbf{u}  \in  \mathbf{w}  =  \mathbf{y}  \mathbf{a}  \mathbf{u}  \mathbf{u} $	S   U   -   Y   I   W   -   -	5   E   -   K   U   -	$ \mathbf{u}  -  \mathbf{\varepsilon}  -  \mathbf{s}  \mathbf{t}  \mathbf{I}   \mathbf{u}  -$
Portuguese	$d \mid \epsilon \mid l \mid - \mid \gamma \mid a \mid \delta \mid u \mid -$	s u - tf i w	s e - k u -	$ \mathbf{d}  -  \mathbf{\epsilon}  -  \int  \mathbf{t}  \mathbf{r}  \mathbf{u}  -$
Catalan	d   ə   l   i   k   a   t   -   -	s u p t i 1	s   ε   k   -   -   -	d - e - s t r ə -
Walloon		s u: - t i	$s   \varepsilon   tf   -   -  $	
Friulian		s u - t i: l	$s \mid \varepsilon \mid - \mid k \mid - \mid - \mid$	
Romanian	Right-Directus	Red	s e k Red-Vermiculus	Red-Rubeus
Latin	d i: r - e: k t u s	r u s s u s	v e r m i k u l u s	r u - b e u s
French	d - R M a - f	R n	ν ε κ m εj	в u - 3
Spanish	d e r - e - tf o -	r o - x o -	b e r m e x o	r u - b j o -
Italian	d ε s t r a	r o s s o -	v e r m i 1	r   o   b   b   j   o   -
PortugueseBrazi	d i r - ej - t e -	$ \mathbf{R} \mathbf{O}  -  \mathbf{l} \mathbf{\Omega} $ -	$ v e $ в $ m e $ - $ - $ $ \Lambda u $ -	r  u  -  b e o  -
Portuguese	d i r - ej - t e -		v i r m ej - - K u -	r  u   -  b   e   o   -
Catalan	d r e t	r o - s	$b \mid a \mid r \mid m \mid \epsilon \mid - \mid - \mid \lambda \mid - \mid - \mid - \mid - \mid - \mid - \mid -$	ru-dze-
Walloon	d r ø: t	1 1-1 1-1 1		r o - tf
Friulian	d r ε t	r   o   -   s   -   -		
Romanian	d r e p t	r o -   f   u   -		r   oj   -   b   -   -   -
1 -41	Green	Yellow	Yellow-Amarellus	Yellow-Croceus
Latin French	w i r i d e m	g a l b i n u s	a m a r e l l u s	k r o k e u s
Spanish	b e r - d e -	3 0 n	a m a r i - j o -	
Italian	v e r - d e -			k r o tf e o -
PortugueseBrazi			$e  m  a  r  \epsilon  - l  u  -$	1 1 1 3 1 2 1 2 1
D 1				
Portuguese Catalan	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		$e \mid m \mid \epsilon \mid \epsilon \mid - \mid l \mid u \mid -$	g   r   o   k   -   -   -
Walloon	Λ ε R	dg ε - - n - -		
Friulian	v e r - t	W -         III		
Romanian	v e r - d e -	g a 1 b e n		
	White	One	Two-Duos	Two-Duae
Latin	$a \mid 1 \mid b \mid u \mid s$	u: n u m	d u o: s d - ø -	d u - aj
French			a - a -	
Snanich	2 1 b 2 -			
Spanish Italian	a 1 b o -	u n o -	d - o s	d u - e
Spanish Italian PortugueseBrazi	a 1 b o -	u n o - u n o -		d u  - $ e $
Italian PortugueseBrazi	$ \begin{vmatrix} \mathbf{a} & \mathbf{l} & \mathbf{b} & \mathbf{o} \\ \mathbf{a} & \mathbf{w} & \mathbf{v} & \mathbf{u} \end{vmatrix} = $	u	$\begin{vmatrix} \mathbf{d} & - & \mathbf{o} \end{vmatrix} \mathbf{s}$ $\begin{vmatrix} \mathbf{d} & - & \mathbf{o} \end{vmatrix} \mathbf{s}$	d u - e
ltalian PortugueseBrazi Portuguese	$egin{array}{ c c c c c c c c c c c c c c c c c c c$	$ \begin{vmatrix} \mathbf{u} & \mathbf{n} & \mathbf{o} & - \\ \mathbf{u} & \mathbf{n} & \mathbf{o} & - \\ \mathbf{\tilde{u}} & - & - & - \end{vmatrix}  $	$\begin{vmatrix} \mathbf{d} & - & \mathbf{o} \end{vmatrix} \mathbf{s}$ $\begin{vmatrix} \mathbf{d} & - & \mathbf{o} \end{vmatrix} \mathbf{s}$ $\begin{vmatrix} \mathbf{d} & - & \mathbf{o} \end{vmatrix} \mathbf{f}$	d u - e
Italian PortugueseBrazi Portuguese Catalan	$ \begin{vmatrix} \mathbf{a} & \mathbf{l} & \mathbf{b} & \mathbf{o} \\ \mathbf{a} & \mathbf{w} & \mathbf{v} & \mathbf{u} \end{vmatrix} = $	u   n   o   -   u   n   o   -	d   -   o   s   d   -   oj   s   d   -   oj   f   d   -   o   s	d u - e
Italian PortugueseBrazi Portuguese Catalan Walloon	$egin{array}{ c c c c c c c c c c c c c c c c c c c$	u   n   o   -     u   n   o   -	d   -   o   s   d   -   oj   s   d   -   oj   f   d   -   o   s   d   -   o   s   d   -   o   s   -	d u - e
Italian PortugueseBrazi Portuguese Catalan	$egin{array}{ c c c c c c c c c c c c c c c c c c c$	u   n   o   -   u   n   o   -	d   -   o   s   d   -   oj   s   d   -   oj   f   d   -   o   s	d  u   -   e     d   o   w   ə

	Two-Duas	Three	Four	Five
Latin	d u a s	t r - e: s	k - a t t w o r -	k i: n k - e
French		t   <b>B</b>   <b>W</b>   <b>Q</b>   -	k - a - t r -	s ē - k
Spanish		t r - e s	k w a - t r o	$\theta$ i n k - o
Italian		t r - e -	k w a t t r o	tf i n k w e
PortugueseBrazi	$ \mathbf{d} \mathbf{u} \mathbf{e} \mathbf{s}$	t r - e s	k w a - t - r u	$\begin{vmatrix} \mathbf{s} & \mathbf{\tilde{i}} & -\mathbf{k} \end{vmatrix} - \mathbf{u}$
Portuguese	d u e f	t   r   -   e   ſ		s   ı   -   k   -   u
Catalan	a   a   o   j	$t r - \epsilon s$	kwa-t-rə	s i ŋ k
Walloon		t r - ø: -	k w a - t	s
Friulian		t r - e: -	k w a - t - r i	tf   i   n   k   -   -
Romanian		t r - ej -	p - a - t r u	tf   i   n   tf   -   -
Latin	Here	There	There-Ibi	There-Adlbi
Latin French	- e k k u m h i: k i s i -	i   l   a: k  -  -   l   a   -	i   b   i:	
Spanish	- a - k i -	a   -   j   a   -		a i
Italian	k w i -	-   -   1   a   -	-  v   i	
PortugueseBrazi	-   a   -   k   -   -   i   -	-   -   1   a   -		a i
Portuguese	-   e   -   k   -   -   i   -   -   i   -   -   i   -   -	- - 1 a -		e i
Catalan	$egin{array}{c c c c c c c c c c c c c c c c c c c $	e   -   A   a   -		
Walloon		- - 1 a -		
Friulian	-   a   -   k   -   -   i   -	- - 1 a -		
Romanian	Who-Qui	Who-Quem	What	When-Quando
Latin	k - i s	k - e m -	k - i d	k - a n d o:
French	k   -   i   -		k w a -	$ \mathbf{k} $ - $ \tilde{\mathbf{a}} $ - $ $ -
Spanish	I. I. I. I		k - e -	k w a n d o
Italian PortugueseBrazi	k   -   i   -			k w a n d o k w e - d u
i ortuguesebrazi		K   -   CJ   -   -		K   W   E   -   U   U
Portuguese		$ \mathbf{k}  -  \mathbf{\tilde{e}}\mathbf{\tilde{j}}  -  \mathbf{r} $	k - i -	$ \mathbf{k}  \mathbf{w}   \tilde{\mathbf{e}}   -  \mathbf{d}  \mathbf{u}$
Catalan	k - i -		$ \mathbf{k}  -  \mathbf{\epsilon} $	k w a n
Walloon	k   -   i:   -		k w e: -	k w a n d
Friulian Romanian	k   w   i   -	tf   -   i   n   e	tf   -   e   -     e   -	k w a n t - k - i n d -
rtomanan	How-Quomodo	Not	Not-Nec	And-Et
Latin	k o: m o d o	n o: n	n e k	e t
French	k o m ã	$ \mathbf{n} \tilde{\mathfrak{z}} $ -	n i -	e   -
Spanish	k o m o	n o -	n i -	i -
Italian	k o m e	n o n	n e -	e -
PortugueseBrazi	k   o   m   u   -   -	$ \mathbf{n}   \tilde{\mathbf{e}} $ -	n ej –	i   -
Portuguese	$ \mathbf{k}  \mathbf{o}  \mathbf{m}  \mathbf{u}  $ - $ $ -	n $\tilde{e}$ -	$ \mathbf{n}   \widetilde{\mathbf{e}}\widetilde{\mathbf{j}} $ -	i   -
Catalan	k   2   m   -   -   -	n o -	n i -	i   -
Walloon	k o m $\tilde{\epsilon}$	1 <del></del> 1 <del>-</del> 1	n e -	ε -
Friulian	tf e m u: t -	n   o   -		e -
Romanian	k u m	n u -		e -

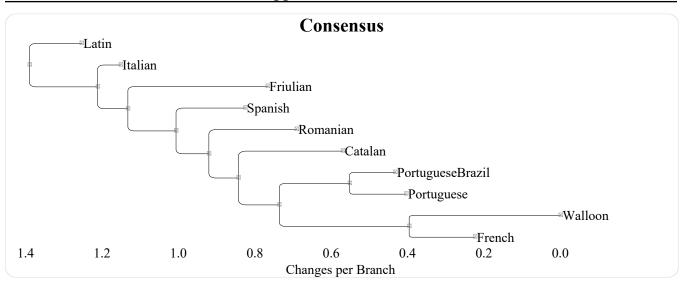
	And-Si	
Latin	s i: k	
	9 1. K	
French		
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O O		
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Friulian		
Romanian	$\int  \mathbf{i} $ -	

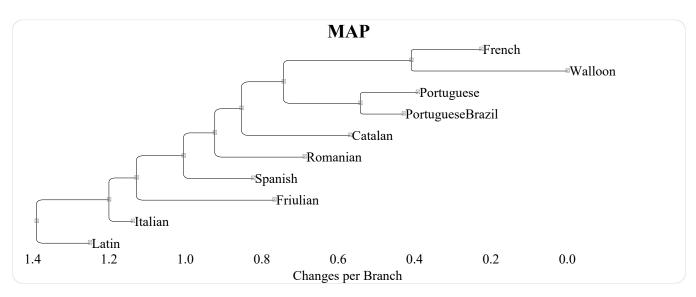
Appendix 4 - Results





#### Appendix 4 - Results





#### Appendix 4 - Results

