# **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

e	g	O;	3	Э	j	O	i	W	Э	dз	I
j	n	S	u	ſ	oj	V	b	t	u:	y	d
f	e:	m	a	ſ	Я	œ	3	1	r	X	Λ
R	ix	ŋ	о́а	h	ẽĵ	õ	$\tilde{\mathfrak{a}}$	ĩ	$\tilde{\mathfrak{g}}$	ţſ	i
ã	p	Z	ð	k	ts	aː	ε̃ĵ	R	σ	θ	ej
ej	õ	13	y	Ø٢	1	c	εj	Ø	ęа	$k^{w}$	Y
aj	g	ẽ	ŋ	$g^{w}$	ẽų	Į (	a s	3	$ec{arepsilon}$	f	Ţ
ıc	ũ	ĩ	œ̃	au̯	w						

#### Appendix 2 - Partition Assignments

#### Basic Rules

1 Nasal Vowel

ẽj õã ĩ ẽ ã ẽj õ ẽ ẽu ẽ ũ œ

2 Vowel

e o: ə o i ɔ ı u oj u: y e: a r œ ε i: oa i a: σ ej rj ε: ø: εj ø ea aj α ɔ: au

3 Nasal Consonant

nmŋŋĵw̃

4 Non Sylabic Sonorants

w j l r

5 Consonants

g ʒ j ʤ s ʃ v b t d f r x ́л к h tf p z ð k ts к θ ų ł c k<sup>w</sup> ү g g<sup>w</sup> β ӈ t͡ʃ l

	I	We	YouPlural	YouSingular
Latin	- e g o:	n o: - s -	wo: - s	t u:
French	3 9	n   u   -   -   -	$ \mathbf{v} \mathbf{u} $ - $ $ -	t y
Spanish	j   -   -   o	n o - s -	$ \mathbf{b} \mathbf{o} $ - $ \mathbf{s} $	t u
Italian	i   -   -   o	n   o:   i   -   -	v o: i -	t u
PortugueseBrazil	-   e   -  w	$ \mathbf{n}  \mathfrak{d}  \mathbf{j}  -  \mathbf{s} $	$ \mathbf{v}  \mathbf{o}  \mathbf{j}  \mathbf{s}$	t u
Portuguese	-  e  -  w	$ \mathbf{n}  \mathbf{o}   -  \mathbf{f}  -$	$ \mathbf{v} \mathbf{o} $ - $ \int$	t u
Catalan	3 5		$ \mathbf{b} \mathbf{u}  -  \mathbf{s} $	t u
Walloon	dg I	n o	$ \mathbf{v} \mathbf{o} $ - $ \mathbf{s} $	t y
Friulian	j   -   -   o	n   o:   -   -	v or	tu
Romanian	j   e   -  w	n   oj   -   -	v  oj  -   -	t  u
	YouSingular	Woman	Woman-Mulier	Woman-Domina
	-VostramMercedem			
Latin		f e: - m i - n - a	$m \mid u \mid 1 \mid i \mid e \mid r \mid e \mid m$	d o m i n a
French		f a - m		d a m -   -   -
Spanish	$-  \mathbf{u}  \mathbf{s}  \mathbf{t}  \mathbf{e}  \mathbf{d} $	- e - m - b r - a	m u x - e r	d   o   -   -   n   a
Italian		f e m m i - n - a	m o   \lambda   \lambda   e   -   -   -	d   p   n   -   n   a
PortugueseBrazil	v o s - e -	f e - m e e	m u K - e B	g   d   o   -   -   n   e
Portuguese	v   3   s   -   e   -	f   e   -   m   j   -   -   e	$m  u  \Lambda  - e  \Gamma  - -$	g   d   o   -   -   n   e
Catalan	v o s t e -	f   e   -   m   -   b   r   -   a	m u   \lambda   -   e   -   -   -	d   ɔ   -   -   n   ə
Walloon		f  œ  -  m  -   -   -   -		d œ m -   -   -
Friulian		$ f \epsilon - m i - n - \epsilon$	m   u   -   -   i:   r   -   -	d   o   -   -   n   e
Romanian		f   e   -  m  e   -   -   j   e	m u -   j   e   r   e   -	d oam - n ə
	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	
French		-   2   -   -   -		
C . I	-   o  m   -   -   -   -	-        -   -   -	$\begin{vmatrix} \tilde{\mathbf{a}} & - & \mathbf{f} & \tilde{\mathbf{a}} & - & - & - & - \end{vmatrix}$	
Spanish	o   m   -   b   r   e   -   -		i  n   f   a   n   t   e   -	n i n o
Italian	o m - b r e	w o m o -	i n f a n t e - f a n t e -	n i n o
Italian PortugueseBrazil	o m e		$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$ \begin{array}{c c} n & i & n & o \\ n & e & n & \tilde{e}\tilde{j} \end{array} $
Italian PortugueseBrazil Portuguese	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 PortugueseBrazil Portuguese Catalan	o m   o m   e		$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$ \begin{array}{c c} n & i & n & o \\ n & e & n & \tilde{e}\tilde{j} \end{array} $
PortugueseBrazil Portuguese Portuguese Catalan Walloon	o m ej -   -   -   -   -   -   -   -   -   -		$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	n i n o n e n ẽj n e n ẽj
Italian PortugueseBrazil Portuguese Catalan Walloon Friulian	o m   o m   e   o   o m   e   o   o m   e   o   o   o   e   o   o   o   e   o   o		$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	n i n o n e n ẽj n e n ẽj
PortugueseBrazil Portuguese Portuguese Catalan Walloon	o m e	$ \mathbf{w}   \mathfrak{o}   \mathbf{m}   \mathfrak{o}   $ -	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	n i n o n e n ẽj n e n ẽj n e n –
Italian PortugueseBrazil Portuguese Catalan Walloon Friulian Romanian	o m   e   b   r   e   -   -    o m   e   -   -   -   -    o m   e   -   -   -    o m   e   -   -   -    o m   e   -   -    o m   e   -   -    o m   e   -   -    o m   e   -   -    Wife	w  o  m  o   -	i n f a n t e f a n t e -  ĩ - f ĕ - f i - f i -  ĩ - f ĕ - f i -  ε - f ā  Husband	n i n o n e n e n e n e n e n e n e Husband-Sponsus
Italian PortugueseBrazil Portuguese Catalan Walloon Friulian Romanian	o m e j	$ \mathbf{w}   \mathfrak{o}   \mathbf{m}   \mathfrak{o}   $ -	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	n i n o n e n e n e n e n e n e n e n e n e n e
Italian PortugueseBrazil Portuguese Catalan Walloon Friulian Romanian Latin French	o m e j e  o m e j  o m e j  o m e j  o m e j  o m o  o m  o m  o m  wife  s p o n s a  e - p u - z -	w   o   m   o   -	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	n   i   n   o   n   e   n   e   n   e   n   e   n   e   n   e   n   -
Italian PortugueseBrazil Portuguese Catalan Walloon Friulian Romanian	o m e j e  o m e j  o m e j  o m e j  o m e j  o m o  o m  o m  vife  s p o n s a  e p u z -  e s p o s a	w   a   m   o   -    Wife-Mulier	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	n   i   n   o   n   e   n   e   n   e   n   e   n   e   n   e   n   e   n   e   n   e   n   e   n   e   n   e   n   e   n   e   e
Italian PortugueseBrazil Portuguese Catalan Walloon Friulian Romanian  Latin French Spanish Italian	o m e j e  o m e j  o m e j  o m e j  o m o j  o m o j  o m o j  o m o j  o m j  o m j  o m j  wife  s p o n s a  e p u z -  e s p o s a  s p o s a	Wife-Mulier  m u 1 i e r -  m u x - e r -  m o	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	n   i   n   o   n   e   n   e   n   e   n   e   n   e   n   e   n   e   n   e   n   e   n   e   n   e   n   e   n   e   n   e   n   e   n   e   e
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Italian PortugueseBrazil Portuguese Catalan Walloon Friulian Romanian  Latin French Spanish Italian PortugueseBrazil Portuguese	o m   b   r   e   -   -    o m   e     -   -   -   -    o m   e     -   -   -    o m   e     -   -    o m   o   o   o    o m   o    o m   o   o    o m   o    o m   o    o m   o    o m   o    o m   o m   o   o    o m   o    o m	Wife-Mulier   m   u   1   i   e   r   -     m   u   \lambda   \lambda   e   r   -     m   u   \lambda   -   e   \lambda   -     m   u   \lambda   -   e   \lambda   -	i n f a n t e f a n t e -  ĩ - f ĕ - ʧ i -  ĩ - f ĕ - t i -  ε - f ā - t i -  ε - f ā  Husband  m a r i: t u s m a r i ð o - m a r i t o - m a r i d u - m e r i ð u -	n   i   n   o   n   e   n   e j   n   e   n   e j   n   e   n   e j   n   e   n   e   n   e   n   e   n   e   n   e   n   e   n   e   n   e   n   e   e
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	Husband-Socius	Mother	Fish-Piskem	Fish-Pescion
Latin	s o k i u s	m a: t r e m	p i s k e m	
French		m e -		p w a s õ
Spanish		maðre-	$p \mid e \mid \theta \mid - \mid - \mid - \mid$	
Italian	s   o   tf   -   o   -	m a: d r e -	$p \mid e \mid \int \mid \int \mid e \mid -$	
PortugueseBrazil		m ej	p  ej   ʃ   -   i   -	
Portuguese		m ej	p ej ʃ - i -	
Catalan		m a - r ə -	p e	
Walloon		m e - R		$ p  -  \epsilon  h  \tilde{o} $
Friulian		m p - r i -	$p \mid \epsilon \mid s \mid - \mid - \mid - \mid$	
Romanian	s o ts		$p \mid e \mid \int \mid t \mid e \mid$ -	
	Bird-Avem	Bird-Avicellum	Bird-Passerem	Fruit
Latin	a w e m	- a w i - k - e l l u n	n p a s s e r e m	f r u: - k t u s
French		w   a   -   -   -   z   -   o   -   -   -   -		$ \mathbf{f} \mathbf{k} \mathbf{d} \mathbf{i} $ - $ - - - $
Spanish	a   b   e   -		$ \mathbf{p}   \mathbf{a}  -  \mathbf{x}   \mathbf{a}   \mathbf{r}   \mathbf{o}  -$	$ \mathbf{f} \mathbf{r} \mathbf{u} $ - $ \mathbf{r} \mathbf{t} \mathbf{o} $ -
Italian		$  -   -   u   -   t   t   -   \epsilon   1   1   o   -   \epsilon   c   c   c   c   c   c   c   c   c$		f   r   u   -   t   t   o   -
PortugueseBrazil	a   v   i   -		pa-seru-	$ \mathbf{f} \mathbf{r} \mathbf{u} $ - $ \mathbf{r} \mathbf{e} $ -
Portuguese	a   v   i   -		pa-seru-	$ \mathbf{f} \mathbf{r} \mathbf{u} $ - $ \mathbf{r} \mathbf{e} $ -
Catalan	a   w   -   -	-   -   u   -   -   s   -   e   -   \lambda   -   -		f   r   u   j   -   t   -   -
Walloon		-   -   u:   -   -   h   -   ε:   -   -   -   -		f   r   y   -   -   -   -   -
Friulian		$  -   -   \mathbf{u}   -   -   \mathbf{tf}   \mathbf{j}   \mathbf{\epsilon}   -   1   -   -   -   \mathbf{tf}   \mathbf{j}   \mathbf{\epsilon}  $		f   r   u   -   -   t   -   -
Romanian			pa-səre-	f   r   u   -   k   t   -   -
	Flower	Nose	Nose-Nares	Sun
			Nose Nuites	
Latin	f   1   o:   r   e   m	n a: s u s	Twose Truites	s o: 1 e m
French	f 1 o: r e m f 1 œ в	n   a:   s   u   s   n   e   -   -   -		s o: 1 e m
French Spanish	f   l   o: r   e   m   f   l   œ   ʁ   -   -   f   l   o   r   -   -	n   a:   s   u   s   n   e   -   -     n   a   s   o   -	$ \mathbf{n} \mathbf{a} \mathbf{c} \mathbf{i} \mathbf{\theta} $ -	s   o:   1   e   m     s   o   1   -   -
French Spanish Italian	f   l   o:   r   e   m   f   l   œ   ʁ   -   -   f   l   o   r   -   -   f   j   o:   r   e   -	n   a:   s   u   s   n   e   -   -   -	$egin{array}{c c c c c c c c c c c c c c c c c c c $	s   o:   1   e   m   s   o   1   -   -   s   o   1   e   -
French Spanish Italian PortugueseBrazil	f   l   o: r   e   m   f   l   o   r   -   -     f   l   o   r   e   -     f   l   o   r   -   -	n   a:   s   u   s   n   e   -   -     n   a   s   o   -	n   a   r   i   θ   -   n   a   r   i   tf   e   n   a   r   i   s   -	s   o:   1   e   m   s   o   1   -   -   s   o   1   e   -   s   o   w   -   -
French Spanish Italian PortugueseBrazil Portuguese	f   l   o   r   -   -     f   l   o   r   -   -       f   l   o   r   -   -         f   l   o   r   -   -	n   a:   s   u   s   n   e   -   -   -	n   a   r   i   θ   - n   a   r   i   tf   e   n   a   r   i   s   -   n   ε   r   i   f   -	s   o:   1   e   m
French Spanish Italian PortugueseBrazil Portuguese Catalan	f   l   o: r   e   m     f   l   o   r   -   -     f   l   o   r   -   -     f   l   o   r   -   -     f   l   o   r   -   -     f   l   o   r   -   -       f   l   o   r   -   -         f   l   o   r   -   -	n   a:   s   u   s   n   e   -   -   -     n   a   s   o   -     n   a   s   o   -     n   a   s   -   -	n   a   r   i   θ   -   n   a   r   i   tf   e   n   a   r   i   s   -	s   o:   1   e   m
French Spanish Italian PortugueseBrazil Portuguese Catalan Walloon	f l o: r e m f l o r - f l o r - f l o r - f l o r - f l o r - f l o r - f l o r -	n   a:   s   u   s   n   e   -   -   -     n   a   s   o   -     n   a   s   -   -     n   e   -   -   -	n   a   r   i   θ   - n   a   r   i   tf   e   n   a   r   i   s   -   n   ε   r   i   f   -	s   o:   1   e   m
French Spanish Italian PortugueseBrazil Portuguese Catalan Walloon Friulian	f   l   o: r   e   m     f   l   oe   в   -   -	n   a:   s   u   s   n   e   -   -   -     n   a   s   o   -     n   a:   s   o   -     n   e   -   -     n   a:   s   -   -       n   a:   s   -   -	n   a   r   i   θ   - n   a   r   i   tf   e   n   a   r   i   s   -   n   ε   r   i   f   -	s   o:   1   e   m
French Spanish Italian PortugueseBrazil Portuguese Catalan Walloon	f   l   o: r   e   m   f   l   oe   B   -   -	n   a:   s   u   s   n   e   -   -   -     n   a   s   o   -     n   a:   s   o   -     n   e   -   -     n   a:   s   -     n   a:   s   -     n   a   s   -   -     n   a   s   -   -     n   a   s   -   -     n   a   s   -   -     n   a   s   -   -     n   a   s   -   -     n   a   s   -   -     n   a   s   -   -       n   a   s   -   -       n   a   s   -   -	n   a   r   i   θ   -   n   a   r   i   f   e   n   a   r   i   s   -   n   e   r   i   ∫   -   n   a   r   r   s   -	s   o:   1   e   m
French Spanish Italian PortugueseBrazil Portuguese Catalan Walloon Friulian Romanian	f   l   o: r   e   m     f   l   o   r   -   -       f   l   o   r   -   -         f   l   o   r   -   -         f   l   o: r   -   -       f   l   o: r   -         f   l   o: r   e   -	n   a:   s   u   s   n   e   -   -   -	n   a   r   i   θ   -     n   a   r   i   ξ   e     n   a   r   i   s   -     n   a   r   i   ς   -     n   a   r   i   s   -       Star	s   o   1   e   m
French Spanish Italian PortugueseBrazil Portuguese Catalan Walloon Friulian Romanian	f   l   o: r   e   m     f   l   o   r   -   -	n   a:   s   u   s   n   e   -   -   -	n   a   r   i   θ   -	s   o   1   e   m
French Spanish Italian PortugueseBrazil Portuguese Catalan Walloon Friulian Romanian Latin French	f   l   o: r   e   m     f   l   o   r   -   -       f   l   o   r   -   -         f   l   o   r   -   -         f   l   o: r   -   -       f   l   o: r   -         f   l   o: r   e   -	n   a:   s   u   s   n   e   -   -   -   -	n a r i f e n a r i f e n a r i f e n a r i f e s - n e r i f - e r i f - e r i f a e e - t w a - 1 -	s   o   1   e   m
French Spanish Italian PortugueseBrazil Portuguese Catalan Walloon Friulian Romanian Latin French Spanish	f   l   o: r   e   m     f   l   o   r   -   -	n   a   s   u   s   n   e   -   -   -	n a r i f e n a r i f e n a r i f e n a r i s - n e r i f - n a: r r s - e: 1 1 a e - t w a - 1 - e s t r e - j a	s   o:   1   e   m
French Spanish Italian PortugueseBrazil Portuguese Catalan Walloon Friulian Romanian Latin French Spanish Italian	f   l   o: r   e   m     f   l   o   r   -   -	n   a   s   u   s   n   e   -   -   -	n a r i f e n a r i f e n a r i f e n a r i s - n e r i f - n a: r I s -  Star  - s t - e: 1 1 a e - t w a - 1 - e s t r e - j a - s t - e 1 1 a	s   o   1   e   m
French Spanish Italian PortugueseBrazil Portuguese Catalan Walloon Friulian Romanian Latin French Spanish Italian PortugueseBrazil	f   l   o: r   e   m     f   l   o   r   -   -	n   a:   s   u   s   n   e   -   -   -     n   a   s   o   -     n   a:   s   o   -     n   a:   s   o   -     n   a:   s   -     n   a:   s   -     n   a   s   -       moon   l   u:   n   a   l   u   n   a   l   u   n   a   l   u   v   e	n a r i f e n a r i f e n a r i f e n a r i f e n a r i s - n e r i f - n a: r r s -  Star  - s t - e: 1 1 a e - t w a - 1 - e s t r e - j a - s t - e 1 1 a i s t r e - 1 e	s   o   1   e   m     s   o   1   e   e
French Spanish Italian PortugueseBrazil Portuguese Catalan Walloon Friulian Romanian Latin French Spanish Italian PortugueseBrazil Portuguese	f   l   o: r   e   m     f   l   o   r   -   -	n   a:   s   u   s   n   e   -   -   -     n   a   s   o   -     n   a:   s   o   -     n   a:   s   o   -     n   a:   s   -     n   a:   s   -     n   a:   s   -       n   a:   s   -	n   a   r   i   θ   -     n   a   r   i   f   e     n   a   r   i   s   -     n   a   r   i   s   -     n   a   r   i   s   -     n   a   r   i   s   -     s   t   -   e   s   t   r   e   -   i   a     a   i   s   t   r   e   -   i   e     i   f   t   r   e   -   i   e   e   i   f   t   r   e   -   i   e   e   i   f   t   r   e   -   i   e   e   i   f   t   r   e   -   i   e   e   i   f   f   r   e   -   i   e   e   e   i   f   e   -   i   f   e   e   e   i   f   f   f   f   f   e   e   f   f   f	s   o   1   e   m     s   o   1   -   -
French Spanish Italian PortugueseBrazil Portuguese Catalan Walloon Friulian Romanian  Latin French Spanish Italian PortugueseBrazil Portuguese Catalan	f   l   o: r   e   m     f   l   o   r   -   -	n   a:   s   u   s   n   e   -   -   -     n   a   s   o   -     n   a:   s   o   -     n   a:   s   o   -     n   a:   s   -   -     n   a:   s   -   -     n   a:   s   -   -     moon   1   u:   n   a   1   u   n   a   1   u   n   a   1   u   n   a   1   u   v   e   f   u   n   a     f   u   n   a   f   f   u   n   a   f   f   f   f   f   f   f   f   f	n   a   r   i   θ   -     n   a   r   i   f   e     n   a   r   i   s   -     n   a   r   i   s   -     n   a   r   i   s   -     n   a   r   i   s   -     n   a   r   i   s   -     a	s   o   1   e   m     s   o   1   -   -
French Spanish Italian PortugueseBrazil Portuguese Catalan Walloon Friulian Romanian  Latin French Spanish Italian PortugueseBrazil Portuguese Catalan Walloon	f   l   o: r   e   m     f   l   o   r   -   -	n   a:   s   u   s   n   e   -   -   -	Star  -   s   t   c   c   c   c   c   c   c   c   c	s   o   1   e   m     s   o   1   e   m     s   o   1   e   -     s   o   1   e   -     s   o   1   e   -     s   o   1   o   -     s   o   1   o   -     s   o   1   o     o     o     o     o   o
French Spanish Italian PortugueseBrazil Portuguese Catalan Walloon Friulian Romanian  Latin French Spanish Italian PortugueseBrazil Portuguese Catalan	f   l   o: r   e   m     f   l   o   r   -   -	n   a:   s   u   s   n   e   -   -   -     n   a   s   o   -     n   a:   s   o   -     n   a:   s   o   -     n   a:   s   -   -     n   a:   s   -   -     n   a:   s   -   -     moon   1   u:   n   a   1   u   n   a   1   u   n   a   1   u   n   a   1   u   v   e   f   u   n   a     f   u   n   a   f   f   u   n   a   f   f   f   f   f   f   f   f   f	n   a   r   i   θ   -     n   a   r   i   f   e     n   a   r   i   s   -     n   a   r   i   s   -     n   a   r   i   s   -     n   a   r   i   s   -     n   a   r   i   s   -     a	s   o   1   e   m     s   o   1   -   -

	Rain	Lake	Sea	Salt
Latin	p 1 u - w i a	1 a k u m	m a r e	s a: 1 e m
French	p 1   y   -   -   i   -	1 a k	т в в –	s   ε   1   -   -
Spanish	j   -   u   -   b   j   a	1 a g o -	mar -	s   a   1   -   -
Italian	p j o d d - a	1 a g o -	m a r e	s a 1 e -
PortugueseBrazil		1 a g u -	m a в -	s a w -   -
Portuguese	$\int  - u - v - e $	1 a y u -	mar -	s   a   1   -   -
Catalan	p 1 u - 3 - ə	λ a k	mar -	s   a   1   -   -
Walloon	p 1 u: -   s   -   -	1 a k	тев в	s e
Friulian	p 1 o j e	1 a: t	ma: r -	s a: 1
Romanian	p   1   oa   -   j   e	1 a k	m a r e	sare-
	Earth	Fog	Fog-Nebula	Fog-Tenebrae
Latin	t - e r r a	k a: l i: g i n e m	n - e - b u 1 a	t e n e: b r aj
French	t   -   e   -   r   -		$ \mathbf{n}  \mathbf{j}  \mathbf{o}   -   -  1  \mathbf{y}  $	
Spanish	t   j   e   -   r   a	k a 1 i n a -	$ \mathbf{n} \mathbf{j} \mathbf{e}  -  \mathbf{b}  -  1 \mathbf{a}$	
Italian	$ t  -  \epsilon  r  r  a$	k a 1 i d i n e -	$ \mathbf{n}  -  \mathbf{e}  \mathbf{b}  \mathbf{b}  -  \mathbf{j}  \mathbf{a}$	t   ε:   n   e   b   r   e
PortugueseBrazil	t   -   e   -   r   s	k a 1 i 3 ej	$ \mathbf{n} $ - $ \mathbf{\epsilon} $ - $ \mathbf{v} \mathbf{w} $ - $ \mathbf{e} $	
Portuguese	t   -   e   -   R   B		$ \mathbf{n} $ - $ \mathbf{\epsilon} $ - $ \mathbf{v} \mathbf{w} $ - $ \mathbf{e} $	
Catalan	$ t  -  \epsilon  -  r  e$		$ \mathbf{n} $ - $ \mathbf{e} $ - $ \mathbf{w} $ 1 $ \mathbf{a} $	
Walloon	t   -   ε:   -   <b>R</b>   -			
Friulian	$ t j \epsilon - r e$			
Romanian	ts - a - r ə		$ \mathbf{n}   \mathbf{e}   \mathbf{g}   \mathbf{u}   \mathbf{r}   \mathbf{a}  -  \mathbf{r} $	
	Fog-Tenebras	Fog-Fumata	Fog-Caecia	Sky
Latin	t   -   e   n   -   e:   b   r   a:   s	f u: m a: t a	k aj k i a	k - aj l u m
French	t   -   e   n   -   ε   b   в   -   -	f   y   m   e   -   -		s   j   ε   1   -   -
Spanish	t   -   i   n   j   e   b   1   a   s	f u m a t a		θ   j   e   1   o   -
Italian	t   -   ε:   n   -   e   b   r   e   -	f u m a: t a		tf   -   ε   1   ο   -
PortugueseBrazil		f u m a s e		$ s  -  \epsilon   w  -  -$
Portuguese	$ \mathbf{t} \mathbf{r}  -  \mathbf{r}  -  \mathbf{e} \mathbf{v}  -  \mathbf{e} \mathbf{f}$	f u m a s e		s   -   ε   w   -   -
Catalan	$ t  -  \vartheta  n  - e b r \vartheta s$			s -   e   1   -   -
Walloon				S   -   i:   R   -   -
Friulian		f u m a t e		
Romanian	NA.C. 1	E. E.	tf ea tf - ə	tf   -   e   r   -   -
Lati	Wind	Fire-Focus	Year	Name-Nomen
Latin	$ \mathbf{w}  -  \mathbf{e}  \mathbf{n}  \mathbf{t}  \mathbf{u}  \mathbf{m} $ $ \mathbf{v}  -  \tilde{\mathbf{a}}  -  - - - $	f   -   o   k   u   m   f   -   ø   -   -   -	$\begin{vmatrix} \mathbf{a} & \mathbf{n} & \mathbf{n} & \mathbf{u} & \mathbf{m} \\ \mathbf{\tilde{\alpha}} & - & - & - & - \end{vmatrix}$	n o m e n
French				n   3   -   -   -
Spanish	b   j   e   n   t   o   -	f w e g o -	a   -   n   o   -	
Italian	$ \mathbf{v}  -  \mathbf{\varepsilon}  \mathbf{n}  \mathbf{t}  \mathbf{o}  \mathbf{c} $	f w o k o -	a n n o -	n o: m e -
PortugueseBrazil		f o g u -	e - n u -	n o m i
Portuguese	$ \mathbf{v}  -  \tilde{\mathbf{e}}  -  \mathbf{t}   \mathbf{u}  -  \mathbf{e} $	$ \mathbf{f}  -  \mathbf{o}  \mathbf{y}  \mathbf{u}  -  \mathbf{f}   \mathbf{o}  \mathbf{r}$	$ \mathbf{r}  -  \mathbf{n} \mathbf{u}  -  \mathbf{n} \mathbf{u} $	n o m i -
Catalan	b   -   e   n   -   -   -	f - 3 k	a   -   n   -   -	n o m
Walloon	v   -   e   -   -   -   -   -	f   -   Ø:   -   -   -	<b>ã</b>   -   -   -   -	n   ō   -   -
Friulian	v   -   i   n   t   -   -	f   -   u:   k   -   -	a   -   ŋ   -   -	n o n
Romanian	v   -   i   n   t   -   -	f   -   o   k   -   -	a   n   -   -   -	n u m e -

	Name-Nominem	Tongue	ToDrink	ToEat
Latin	n o m i n - e m	l i n g <sup>w</sup> - a	b   i   b   -   e   r   e	k o m e d e r e
French		$1  \tilde{\alpha}  -  g  -  -$	b w a в -	
Spanish	$ \mathbf{n}   \mathbf{o}   \mathbf{m}  -  \mathbf{b}   \mathbf{r}   \mathbf{e}  -$	l e n g w a	b   e   b   -   e   r   -	k   o   m   e   -   -   r   -
Italian		l i n g w a	b   e   -   -   r   e	
PortugueseBrazil		1   î   -   g   w   e	р е р - е в -	k   o   m   e   -   -   -
Portuguese		1   î   -   g   w   e	b i β - e r -	k u m e r -
Catalan			$\mathbf{b} \mid \mathbf{\epsilon} \mid \mathbf{w} \mid - \mid - \mid \mathbf{r} \mid \mathbf{a}$	
Walloon		1 eu -   -   -	p   -   ø:   r   -	
Friulian		$  l   \epsilon   n   g   -   \epsilon$	b   e   v   i   -   -   -	
Romanian		1 i m b - ə	b   -   -   ea   -   -	
	ToEat-Manducare	ToBite	ToBite-Morsicare	ToSuck
Latin	m a n d u k a: r e	m - o r d e: r e	m o r s i k a: r e	s u: g e r e
French	$ \mathbf{m}  \tilde{\mathbf{a}}  $ - $ 3 $ - $ $ - $ \mathbf{e} $ - $ $ -	$ \mathbf{m} $ - $ \mathbf{o} $ $\mathbf{R}$ $ \mathbf{q} $ - $ \mathbf{R} $ -		
Spanish	$m \mid a \mid n \mid d \mid u \mid k \mid a \mid r \mid -$	$ \mathbf{m}  -  \mathbf{o}  \mathbf{r}  \mathbf{\delta}  \mathbf{e}  \mathbf{r}  -$	$ \mathbf{m}   \mathbf{o}  -  \mathbf{s}  -  \mathbf{k}   \mathbf{a}   \mathbf{r}  -$	
Italian	m a n d a r e	$ \mathbf{m}  -  \mathbf{o}  \mathbf{r}  \mathbf{d}  \mathbf{e}  \mathbf{r}  \mathbf{e}$	$m \mid o \mid r \mid s \mid i \mid k \mid a \mid r \mid e$	
PortugueseBrazil	$ \mathbf{m}   \mathbf{\tilde{e}}  -  3  -  - \mathbf{a}   \mathbf{s}  -$	m   -   o   r   q   e   r   -	$ \mathbf{m} \mathbf{u}  -  \mathbf{s}  \mathbf{\vartheta}  \mathbf{g}  \mathbf{a}   -   -$	s u g a в -
Portuguese	$ \mathbf{m}   \tilde{\mathbf{e}}   $ - $ \mathbf{z} $ - $ \mathbf{a}   \mathbf{r}   $ -	$ \mathbf{m}  -  \mathbf{u}  \mathbf{r}  \mathbf{\delta}  \mathbf{e}  \mathbf{r}  -$	$ \mathbf{m} \mathbf{u}  -  \mathbf{s}  \mathbf{\vartheta}  \mathbf{g}  \mathbf{a}  \mathbf{r} $ -	s u g a r
Catalan	$ \mathbf{m}   \mathbf{a}   \mathbf{n}   \mathbf{z}     -     -   \mathbf{a}   -     -   $		$ \mathbf{m} \mathbf{u}  -  \mathbf{s}  \mathbf{\vartheta}  \mathbf{\gamma}  \mathbf{a}  - -$	
Walloon	m a n - - i: - -			
Friulian	m a   ŋ   ɟ   -   -  a:   -   -	m w a r d i		c   u   c   a:   -   -
Romanian	$m \begin{vmatrix} i \end{vmatrix} n \begin{vmatrix} - \end{vmatrix} - \begin{vmatrix} k \end{vmatrix} a \begin{vmatrix} - \end{vmatrix} -$		m u r s e k a	s   u   dz   e   -   -
	ToSpit	ToSpit-Exconspuere	ToSpit-Sputare	ToKnow
Latin	k o n s p u e r e		-   s   p   u   t   e   r   e	s k i: r e
French	$ \mathbf{k}  \tilde{\mathfrak{o}}  -  \mathbf{s}  \mathbf{p}  \mathbf{y}  \mathbf{e}   -   -$			
Spanish		e   s   k   u   -   p   i   r	e s p u t a r -	
Italian			-  s  p  u  t  a  r  e	
	$ \mathbf{k} \mathbf{n} $ - $ \mathbf{s} \mathbf{b} \mathbf{i} \mathbf{R} $ - $ \mathbf{s} $			
Portuguese	$ \mathbf{k} \mathbf{u}  -  \int  \mathbf{p}  \mathbf{i}  \mathbf{r}  -  \mathbf{r} $			
Catalan		$\left  \begin{array}{c c c c c c c c c c c c c c c c c c c $		
Walloon				
Friulian			$ \mathbf{s}  \mathbf{p}  \mathbf{u}  \mathbf{d}  \mathbf{a}  -  - - $	
Romanian		- s k u j p a -		
	ToKnow-Sapere	ToKnow-Cognoscere	ToThink	ToThink-Pensare
Latin	s a p - e r e	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
French	s a v w a r -		k   q   -   -   i   d   e   -   -	p   a   -   s   e   -   -
Spanish	sab-er-	$ \mathbf{k}   \mathbf{o}  -  \mathbf{n}   \mathbf{o}   \mathbf{\theta}   \mathbf{e}   \mathbf{r}  -  \mathbf{r} $	k   w   -   -   i   d   a   r   -	pensar-
Italian	s a p - e r e	$\begin{vmatrix} k & o \end{vmatrix} - \begin{vmatrix} n & o & \int   \int   e   r   e$	k - o d i t a r e	p e n s a r e
PortugueseBrazil		k o - n e s - e r -	k - u 3 i t a r -	p   e   -   s   a   r   -
Portuguese	s   b   -   e   r   -	k u - n i s - e r -	k   -   u   3   i   t   a   r   -	$ p \tilde{e} - s a r -$
Catalan	$ s   a   \beta  -  \epsilon  -  a $	$k   u   -   n   \varepsilon   \int   -   \vartheta   -   -$	k   -   u   -   j   d   a   -   -	p ə n s a
Walloon	s a v - ø: R -			$ p \tilde{\epsilon} - s e - -$
Friulian	s   a   v   -   e:   -   -			p e n s a:
Romanian		k u - n oa ∫ t e	k - u dz e t a	p ə - s a

	ToFear	ToFear-Tremere	ToSleep	ToLive
Latin	t i m e: r e	t r e m - e r e	d   -   o   r   m   i:   r   e	w i: w e r e
French			d  -   э   в   m   і   в   -	V   i   V   -   B   -
Spanish	t   e   m   e   r   -	t r e m - e r -	d   -   o   r   m   i   r   -	b i b i r -
Italian	t e m e r e	t r e m - a r e	d   -   o   r   m   i   r   e	v i v e r e
PortugueseBrazil	t e m e r -	t гем - ек -	d - о в m i в -	v i v e в -
Portuguese	t i m e r -	t r i m - e r -	$ \mathbf{d}  -  \mathbf{u}  \mathbf{r}  \mathbf{m}  \mathbf{i}  \mathbf{r}  -$	v   i   v   e   r   -
Catalan	t   e   m   ə   -   -		d   -   u   r   m   i   -   -	b i w - r ə
Walloon			d w a в m i	
Friulian	t   e  m   i   -   -	t   r   i   m   -   a:   -   -	d   -   u   r   m   i:   -   -	v   i   v   i   -   -
Romanian	t   e   m   e   -   -		d - o r m i	v   i   -   a   -   -
	ToDie	ToKill	ToKill-Adnecare	ToKill-Tutari
Latin		n - e k a: r e		t u: - t a: r i
French	$m \mid u \mid \mathbf{k} \mid i \mid \mathbf{k} \mid$ -	n   w   aj   e   -   -   -		t   -   q   -   e   -   -
Spanish	$m \mid o \mid f \mid i \mid f \mid -$		a   -   n   e   g   a   r   -	
Italian	m o r i r e		a n n e g a r e	
PortugueseBrazil	m o r e r -			
Portuguese	$\mathbf{m}   \mathbf{n}   \mathbf{k}   \mathbf{e}   \mathbf{r}  $			
Catalan	$\mathbf{m}  \mathbf{u}  \mathbf{r}  \mathbf{i}  -  \mathbf{r} $	$ n  -  \vartheta  g  a  -  -$		
Walloon	$m \mid \mathfrak{o} \mid R \mid i \mid - \mid -$			t   u   w   -   e   -   -
Friulian	$\mathbf{m}  \mathbf{u}  \mathbf{r}  \mathbf{i}  -  -$			
Romanian	m u r i	n - e k a		
	ToKill-Mactare	ToKill-Occidere	ToFight	ToFight-Battuere
Latin	m a c t a: r e	okki: dere	p u g n a: r e	battuere
			= ' '= ' ' ' '	
French	m a - t e	э   k   s   i   -   -   в   -		b   a   t   -   -   в   -   -
French Spanish			p   u   -   n   a   r   -	b   a   -   t   -   i   r   -
French Spanish Italian	$egin{array}{c c c c c c c c c c c c c c c c c c c $	$\begin{vmatrix} a & b & c & c \\ a & c & c $	$ \mathbf{p} \mathbf{u}  -  \mathbf{p} \mathbf{a} \mathbf{r}  -  \mathbf{p} \mathbf{u} \mathbf{p} \mathbf{n} \mathbf{a} \mathbf{r}  =  \mathbf{p} \mathbf{u} \mathbf{p} \mathbf{n} \mathbf{n} \mathbf{a} \mathbf{r} \mathbf{e}$	b a - t - i r - b a t t - e r e
French Spanish Italian PortugueseBrazil	m a - t e m a - t a г - m a - t a в -		- 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	b a - t - i r - b a - t - e r e b a - t - e в -
French Spanish Italian PortugueseBrazil Portuguese	m   a   -   t   e   -   -	u t f i d e r e	p u p n a r e	b a t t - e r e b a - t - e r - b e - t - e r -
French Spanish Italian PortugueseBrazil Portuguese Catalan	m a - t e m a - t a г - m a - t a в -		- 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	b a - t - i r - b a - t - e r e b e - t - e r - b a - t - e r - b a - t - r - r - r - b
French Spanish Italian PortugueseBrazil Portuguese Catalan Walloon	m   a   -   t   e   -   -	u t f i d e r e	p u p n a r e	b a - t - i r - b a - t - e r e b e - t - e r - b a - t - e r - b a - t - e r -
French Spanish Italian PortugueseBrazil Portuguese Catalan Walloon Friulian	m   a   -   t   e   -   -	u t f i d e r e $ u k s i - - - -$	p u p a r e	b a - t - i r - b a t t - e r e b a - t - e r - b a - t - e r - b a - t - e r - b a - t - e b a t - e
French Spanish Italian PortugueseBrazil Portuguese Catalan Walloon	m a - t e m a - t a r - m a - t a r - m a - t a r - m e - t a r - m e - t a r - m a f - t a	u   t   tf   i   d   e   r   e   u   k   s   i   -   -   -   -   u   -   tf   i   d   e   -   -	p   u   n   n   a   r   e     p   u   -   n   a   -   -	b a - t - i r - b a t t - e r e b a - t - e r - b a - t - e r - b a - t - e b a t - i b a t - i b a t - i
French Spanish Italian PortugueseBrazil Portuguese Catalan Walloon Friulian Romanian	m a - t e m a - t a r - m e - t a r - m e - t a r - m e - t a r - m e - t a ToHunt-Captiare	u t ff i d e r e  u k s i - - - -  u - ff i d e - - ToScratch	p u p a r e	b a - t - i r - b a t t - e r e b a - t - e r - b a - t - e r - b a - t - e r - b a - t - e b a t - e
French Spanish Italian PortugueseBrazil Portuguese Catalan Walloon Friulian Romanian	m a - t e m a - t a r - m e - t a r - m e - t a r - m e - t a r - m e - t a ToHunt-Captiare k a p t i a: r e	u   t   tf   i   d   e   r   e   u   k   s   i   -   -   -   -   u   -   tf   i   d   e   -   -	$p \mid u \mid p \mid a \mid r \mid e$ $p \mid u \mid - \mid p \mid a \mid - \mid -$ ToScratch-Rasare	b a - t - i r - b a t t - e r e b a - t - e r - b a - t - e r - b a - t - e b a t - i b a t - i b a t - i
French Spanish Italian PortugueseBrazil Portuguese Catalan Walloon Friulian Romanian Latin French	m a - t e m a - t a r - m a - t a r - m e - t a r - m e - t a r - m a t - t a r - m a t a - t a r - m a t a - t a r -	u t tf i d e r e  u k s i - - - -  u - tf i d e - - ToScratch  r a: d e r e	p   u   n   n   a   r   e     p   u   -   n   a   -   -	b a - t - i r - b a t t - e r e b a - t - e r - b v - t - e r - b a t - e b a t - e b a t - e ToScratch-Rasicare
French Spanish Italian PortugueseBrazil Portuguese Catalan Walloon Friulian Romanian Latin French Spanish	m a - t e m a - t a r - m a - t a r - m θ - t a r - m θ - t a m θ - t a r - m a t - t a r - m a t - t a r - m a t - t a r - m a t - t a r - m a t - t a r - m a t - t a r - m a t - t a r - m a t - t a r - m a t - t a r -	u   t   tf   i   d   e   r   e     e     u   k   s   i   -   -   -   -   -	p   u   n   n   a   r   е     p   u   -   n   a   -   -	b a - t - i r - b a t t - e r e b a - t - e r - b a - t - e r - b a - t - e b a t - i b a t - i b a t - i
French Spanish Italian PortugueseBrazil Portuguese Catalan Walloon Friulian Romanian  Latin French Spanish Italian	m a - t e m a - t a r - m a - t a r - m θ - t a r - m θ - t a r - m a t - t a r - m a t - t a r - k a p t i a: r e k a - θ - a r - k a t f - a r e	u   t   tf   i   d   e   r   e     e     u   k   s   i   -   -   -   -   -	p   u   n   n   a   r   е     p   u   -   n   a   -   -	b a - t - i r - b a t t - e r e b a - t - e в - b e - t - e r - b a - t - e r - b a - t - e r - b a t - e b a t - e ToScratch-Rasicare
French Spanish Italian PortugueseBrazil Portuguese Catalan Walloon Friulian Romanian  Latin French Spanish Italian PortugueseBrazil	m a - t e m a - t a r - m a - t a r - m a - t a r - m a τ - t a r - m a τ - t a r - m a τ - t a r - m a τ - t a r - k a p t i a: r e k a - b - a r - k a t τ - a r e k a - s - a r e k a - s - a r -	u   t   f   i   d   e   r   e     e     u   k   s   i   -   -   -   -   -     -	ToScratch-Rasare    p   u   p   p   a   r   e    p   u   -   p   a   -   -    r   a   s   a   r   -    r   a   s   a   r   e    g   a   z   a   g   -    r   a   s   a   r   e    g   a   z   a   g   -	b a - t - i r - b a t t - e r e b a - t - e в - b e - t - e r - b a - t - r - r - b a t - e b a t - e ToScratch-Rasicare
French Spanish Italian PortugueseBrazil Portuguese Catalan Walloon Friulian Romanian  Latin French Spanish Italian PortugueseBrazil Portuguese	m a - t e m a - t a β - m e - t a r - m a tf - a  ToHunt-Captiare  k a p t i a: r e ∫ a - s - e k a t f - a r e k a t f - a r e k a - s - a β - k e - s - a β -	u   t   ff   i   d   e   r   e     e     u   k   s   i   -   -   -   -   -     -	р u л л а г е  р u л л а г е  р u - л а  ТоScratch-Rasare  в а г е	b a - t - i r - b a t t - e r e b a - t - e в - b e - t - e r - b a - t - e r - b a - t - e r - b a t - e b a t - e ToScratch-Rasicare
French Spanish Italian PortugueseBrazil Portuguese Catalan Walloon Friulian Romanian  Latin French Spanish Italian PortugueseBrazil Portuguese Catalan	m a - t a β - m a - t a β - m e - t a r - m a tf - a r - m a tf - a r - m a tf - a r - k a p t i a r e k a t f - a r e k a t f - a r e k a r - a r - k a r - a r - k a - s - a r - k a - s - a r - k a - s - a r -	u   t   f   i   d   e   r   e     e     u   k   s   i   -   -   -   -   -     -	ToScratch-Rasare    p   u   p   p   a   r   e    p   u   -   p   a   -   -    r   a   s   a   r   -    r   a   s   a   r   e    g   a   z   a   g   -    r   a   s   a   r   e    g   a   z   a   g   -	b a - t - i r - b a t t - e r e b a - t - e в - b e - t - e r - b a - t - r - r - b a t - e b a t - e ToScratch-Rasicare
French Spanish Italian PortugueseBrazil Portuguese Catalan Walloon Friulian Romanian  Latin French Spanish Italian PortugueseBrazil Portuguese Catalan Walloon	m a - t e m a - t a r - m a - t a r - m e - t a r - m e - t a r - m a tf - a  ToHunt-Captiare k a p t i a: r e f a - s - e k a - d - a r - k a - s - a r - k e - s - a r - k a - s - s - a r - f e k a - s - a r - f e	u   t   f   i   d   e   r   e     u   k   s   i   -   -   -   -   -   -   -   -   -	р u л л а г е  р u л л а г е  р u г л а г е  к с z е  г а s а г -  г а s а г е  в а z а в -  в е z а г -  г ә z а г -	b a - t - i r - b a t t - e r e b a - t - e в - b e - t - e r - b a - t - e r - b a - t - e r - b a t - e b a t - e ToScratch-Rasicare
French Spanish Italian PortugueseBrazil Portuguese Catalan Walloon Friulian Romanian  Latin French Spanish Italian PortugueseBrazil Portuguese Catalan	m a - t a β - m a - t a β - m e - t a r - m a tf - a r - m a tf - a r - m a tf - a r - k a p t i a r e k a t f - a r e k a t f - a r e k a r - a r - k a r - a r - k a - s - a r - k a - s - a r - k a - s - a r -	u   t   ff   i   d   e   r   e     e     u   k   s   i   -   -   -   -   -     -	р u л л а г е  р u л л а г е  р u - л а  ТоScratch-Rasare  в а г е	b a - t - i r - b a t t - e r e b a - t - e в - b e - t - e r - b a - t - e r - b a - t - e r - b a t - e b a t - e ToScratch-Rasicare

	ToScratch-Coctiare	ToSwim	ToSwim-Navigare	ToFly
Latin		n - a t a: r e	n a v i g a: r e	w o l a: r e
French			n a 3 e	v o 1 e
Spanish		n - a d a r -	n a b e g a r -	b o 1 a r -
Italian		n w o t a r e	n a v i g a r e	v o l a r e
PortugueseBrazil	k o s a l	n - a d a в -	n a v i y a s -	v o - a в -
Portuguese	k u s a r	n -   e   ð   a   r   -	$ \mathbf{n}  \mathbf{g}  \mathbf{v}  \mathbf{i}  \mathbf{v}  \mathbf{a}  \mathbf{r} $	$ \mathbf{v} \mathbf{w} $ - $ \mathbf{a} \mathbf{f} $ -
Catalan		n -   ə   d   a   -   -	$ \mathbf{n}  \mathbf{a}  \mathbf{b}  \mathbf{a}  \mathbf{g}  \mathbf{a}  $ -	b   u   1   a   -   -
Walloon			$ \mathbf{n}   \mathbf{\epsilon}   $ - $ \mathbf{d} \mathbf{j}   \mathbf{i} \cdot  $ - $ \mathbf{m}   \mathbf{j} \cdot \mathbf{j} \cdot \mathbf{j}$	v   ɔ   1   e   -   -
Friulian		n - a d a:	n a v i g a:	
Romanian			$ \mathbf{n}  \mathbf{a}  \mathbf{v}  \mathbf{i}  \mathbf{g}  \mathbf{a}  $ - $ $ -	
	ToFly-Exvolare	ToWalk	ToWalk-Marcher	ToWalk-Mergere
Latin				m e r g e r e
French		$\int \left  \left  \mathbf{a} \right  \mathbf{m} \right  \mathbf{i} \left  \mathbf{n} \right  \mathbf{e} \left  - \right  - \left  - \right  $	$ \mathbf{m}  \mathbf{a}  \mathbf{k}  \int  \mathbf{e} $	
Spanish				
Italian	z   v   o   1   a   r   e	k a m m i n a r e		$m \mid \varepsilon \mid r \mid dg \mid e \mid r \mid e$
PortugueseBrazil		k   в   m   і   п   а   в   -   -		
Portuguese				
Catalan				
Walloon			$ \mathbf{m} $ a: $ \mathbf{R} $ $ \mathbf{f} $ i:	
Friulian	z   v   o   1   a:   -   -	tf   j   a   m   i   n   a   -   -		
D	z b u r a			merde-
Romanian				
Komanian	ToWalk-Ambitare	ToCome	ToLieAsInABed	ToLieAsInABed-lacere
Latin		w e n i: r e	e   k   s   t   e   n   d   e   r   e	ToLieAsInABed-lacere
Latin French	ToWalk-Ambitare a m b i t a: r e	w   e   n   i:   r   e   v   ə   n   i   ʁ   -	$egin{array}{ c c c c c c c c c c c c c c c c c c c$	ToLieAsInABed-lacere  j a - k e: r e 3 e - z i в -
Latin French Spanish	ToWalk-Ambitare   a   m   b   i   t   a:   r   e     a   n   d   -   -   a   r   -	w   e   n   i:   r   e     v   ə   n   i   в   -     b   e   n   i   r   -	e   k   s   t   e   n   d   e   r   e   e   e     t   \( \vec{a} \)   -   d   -   \vec{b} \)   -   -   -	ToLieAsInABed-lacere  j a - k e: r e  3 e - z i s - j a - θ e r -
Latin French Spanish Italian	ToWalk-Ambitare   a   m   b   i   t   a:   r   e     a   n   d   -   -   a   r   -     a   n   d   -   -   a   r   e	w   e   n   i:   r   e   v   ə   n   i   r   -     v   e   n   i   r   e     v   e   n   i   r   e     v   e   n   i   r   e	e   k   s   t   e   n   d   e   r   e   e   e   -   t   \( \tilde{a} \)   -   d   -   \( \tilde{b} \)   -   -	ToLieAsInABed-lacere    j   a   -   k   e:   r   e     3   e   -   z   i   β   -     j   a   -   θ   e   r   -     dg a   -   f   e:   r   e
Latin French Spanish Italian PortugueseBrazil	ToWalk-Ambitare   a m b i t a: r e     a n d - a r e     a n d - a r e     v e	w   e   n   i:   r   e   v   e   n   i   r   -   v   e   n   i   r   e   v   -   i   u   -   i   u   -   i   u   -   v   e   v   -   i   u   -   v   e   v   -   v   e   v   -   v   e   v   -   v   e   v   -   v   e   v   -   v   e   v   -   v   e   v   v   v   v   v   v   v   v	e k s t e n d e r e e - s t ɛ n d e r e i s t ẽ - d e в	ToLieAsInABed-lacere    j   a   -   k   e:   r   e     3   e   -   z   i     в   -     j   a   -   θ   e   r   -     dg   a   -   f   e:   r   e     3   e   -   z   e     в   -
Latin French Spanish Italian PortugueseBrazil Portuguese	ToWalk-Ambitare   a   m   b   i   t   a:   r   e     a   n   d   -   -   a   r   -     a   n   d   -   -   a   r   e	w   e   n   i:   r   e   v   e   n   i   r   e   v   e   n   i   r   e   v   e   n   i   r   e   v   e   i   r   e   v   e   i   r   e   v   e   i   r   e   v   e   v   e   i   r   e   v   v	e k s t e n d e r e e - t a - d - u e k s t e n d e r e i s t e - d e u i f t e - d e r -	ToLieAsInABed-lacere  j a - k e: r e 3 e - z i k - j a - θ e r - dg a - tf e: r e 3 e - z e k - 3 e - z e r -
Latin French Spanish Italian PortugueseBrazil Portuguese Catalan	ToWalk-Ambitare   a m b i t a: r e     a n d - a r e     a n d - a r e     v e	w   e   n   i:   r   e     v   ə   n   i   r   -	e k s t e n d e r e e - s t ɛ n d e r e i s t ẽ - d e в	ToLieAsInABed-lacere  j a - k e: r e 3 e - z i k - j a - θ e r - dg a - ff e: r e 3 e - z e k - 3 e - z e r - 3 a w - r f ə
Latin French Spanish Italian PortugueseBrazil Portuguese Catalan Walloon	ToWalk-Ambitare   a m b i t a: r e     a n d - a r e     a n d - a r e     v e	w   e   n   i:   r   e     v   ə   n   i     r     e	e k s t e n d e r e e - t a - d - u e k s t e n d e r e i s t e - d e u i f t e - d e r -	ToLieAsInABed-lacere  j a - k e: r e 3 e - z i κ - j a - θ e r - dg a - ff e: r e 3 e - z e κ - 3 e - z e r - 3 a w - r f a dg e r e
Latin French Spanish Italian PortugueseBrazil Portuguese Catalan Walloon Friulian	ToWalk-Ambitare   a m b i t a: r e     a n d - a r e     a n d - a r e     v e	w   e   n   i:   r   e     v   ə   n   i   в   -	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	ToLieAsInABed-lacere  j a - k e: r e 3 e - z i κ - j a - θ e r - dz a - t e κ - 3 e - z e κ - 3 e - z e r - 3 a w - r e j e - r e j e - s i -
Latin French Spanish Italian PortugueseBrazil Portuguese Catalan Walloon	ToWalk-Ambitare   a   m   b   i   t   a:   r   e     a   n   d   -   -   a   r   -     a   n   d   -   -   a   r   e     e   e   d   -   -   a   r   -     e   e   e   -   d   -   -   a   r   -	w   e   n   i:   r   e     v   ə   n   i   r   e	e k s t e n d e r e e - t a - d - b - e k s t e n d e r e - s t e n d e r i f t a - d e b - e i f t a - d e r e i s t e n d e r i f t a - d e r e - s t e n d e r i f t a - d e r e - a t a - d e b	ToLieAsInABed-lacere  j a - k e: r e 3 e - z i κ - j a - θ e r - dʒ a - ʧ e: r e 3 e - z e κ - 3 e - z e κ - 3 a w r e j e - s i - z e - f ea -
Latin French Spanish Italian PortugueseBrazil Portuguese Catalan Walloon Friulian Romanian	ToWalk-Ambitare   a   m   b   i   t   a:   r   e     a   n   d   -   -   a   r   -     a   n   d   -   -   a   r   e     \tilde{e}   -   d   -   -   a   r   -     \tilde{e}   -   d   -   -   a   r   -    ToSit	w   e   n   i:   r   e     v   ə   n   i   r   e	e k s t e n d e r e e - t a - d - b e k s t e n d e r e i s t a - d e r - i f t a - d e r - a - s t a n d e r - i f t a - d e r - a - s t a n d e r - ToStand	ToLieAsInABed-lacere  j a - k e: r e 3 e - z i κ - j a - θ e r - dg a - ff e: r e 3 e - z e κ - 3 e - z e κ - 3 a w - r f a dg e - r e j e - s i - z a - ff ea - ToStand-Levare
Latin French Spanish Italian PortugueseBrazil Portuguese Catalan Walloon Friulian Romanian	ToWalk-Ambitare   a m b i t a: r e     a n d a r - a r e     a n d a r e     v - d a r - a r - a r     v - d a r - a r - a r     v - d a r - a r - a r     v - d a r - a r - a r - a r - a r - a r     v - d a r - a	w   e   n   i:   r   e     v   ə   n   i   r   e	e k s t e n d e r e e - t a - d - u e k s t e n d e r e i s t a - d e u - i f t a - d e r - e i s t a - d e r - e i s t a r e	ToLieAsInABed-lacere  j a - k e: r e 3 e - z i κ - j a - θ e r - dg a - ff e: r e 3 e - z e κ - 3 e - z e κ - 3 a w - r f a dg e - r e - j e - s i - z a - ff ea - ToStand-Levare l e v a: r e
Latin French Spanish Italian PortugueseBrazil Portuguese Catalan Walloon Friulian Romanian Latin French	ToWalk-Ambitare   a m b i t a: r e     a n d a r e     a n d a r e     \tilde{\text{\$\tilde{\tilde{\text{\$\tilde{\text{\$\tilde{\text{\$\tilde{\tilde{\text{\$\tilde{\text{\$\tilde{\text{\$\tilde{\text{\$\tilde{\text{\$\tilde{\text{\$\tilde{\text{\$\tilde{\text{\$\tilde{\text{\$\tilde{\text{\$\tilde{\text{\$\tilde{\text{\$\tilde{\text{\$\tilde{\text{\$\tilde{\text{\$\tilde{\text{\$\tilde{\text{\$\tilde{\text{\$\tilde{\text{\$\tilde{\tilde{\text{\$\tilde{\text{\$\tilde{\text{\$\tilde{\text{\$\tilde{\text{\$\tilde{\text{\$\tilde{\tangle}}}}} r e   e   d   e: r   e   e   e   r   e   e   e   e   e	w e n i: r e   v   a n i   b   e n i   r   e   v   a n i   b   e   v   e   n i   r   e   v   e   n i   r   e   v   e   n i   r   e   v   e   n i   e   v   e   n i   e   v   e   n i   e   v   e   n i   e   v   e   n i   e   v   e   n i   e   v   e   n i   e   v   e   n i   e   v   e   n i   e   v   e   n i   e   v   e   n i   e   v   e   n i   e   v   e   n i   e   v   e   v   e   n i   e   v	e k s t e n d e r e e - t a - d - u e k s t e n d e r - e - s t e n d e r e i s t e - d e u i f t e - d e r - ə - s t e n d - r ə  e k s t i n d e	ToLieAsInABed-lacere  j a - k e: r e 3 e - z i κ - j a - θ e r - dg a - ff e: r e 3 e - z e κ - 3 e - z e κ - 3 e - z e κ - 3 e - z e κ - 3 e - z e κ - 7 e - r e 1 e - s i - 7 coStand-Levare 1 e v a: r e 1 e v e
Latin French Spanish Italian PortugueseBrazil Portuguese Catalan Walloon Friulian Romanian Latin French Spanish	ToWalk-Ambitare   a m b i t a: r e     a n d a r   e     a n d a r   e     \tilde{e}   - d - a r   e     \tilde{e}   - d r   - a r   e     \tilde{e}	w   e   n   i:   r   e     v   ə   n   i   r   e	e k s t e n d e r e e - t a - d - u e k s t e n d e r - e - s t e n d e r e i s t e - d e u i f t e - d e r - ə - s t e n d - r ə  e k s t i n d e  ToStand - s t a r e e s t a r -	ToLieAsInABed-lacere  j a - k e: r e 3 e - z i k - j a - θ e r - da a - ff e: r e 3 e - z e k - 3 e - z e r - 3 a w - r e j e - s i - z e - ff ea - ToStand-Levare  l e v a: r e l e b a r -
Latin French Spanish Italian PortugueseBrazil Portuguese Catalan Walloon Friulian Romanian Latin French Spanish Italian	ToWalk-Ambitare   a m b i t a: r   e     a n d a r   e     a n d a r   e     \vec{v} - d - a r   e     \vec{v} - d - a r   e     \vec{v} - d - r   a r   e     \vec{v} - d - r   a r   e     \vec{v} - d - r   a r   e     \vec{v} - r   r   r     s - e d e: r   e     s   r   r   r     s   r   r   r     r   r   r     r   r   r	w e n i: r e   v   a n i   k   -   b   e n i   r   e     v   e n i   r   e     v   e n i   r   e     v   -   i   k   -     v   e n i   r   -     v   i   n i   -   -     v   e n i   r   -     v   e n i   r   e     ToSit-Sedentare   s   e   d   e n   t   a   r   e     s   e   -   n   t   a   r   -       e     s   e   -   n   t   a   r   -         e	e k s t e n d e r e e - t a - d - u e k s t e n d e r - e - s t e n d e r - i   f t e - d e u i   f t e - d e r a - s t e n d - r a  e k s t i n d e r - i   f t e - d e r a - s t e n d - r a	ToLieAsInABed-lacere  j a - k e: r e 3 e - z i s - j a - θ e r - dʒ a - ʧ e: r e 3 e - z e s - 3 e - z e s - 3 a w r e j e - s i - z e - g - r e l e v a: r e l e v a r e l e v a r e
Latin French Spanish Italian PortugueseBrazil Portuguese Catalan Walloon Friulian Romanian Latin French Spanish Italian PortugueseBrazil	ToWalk-Ambitare   a m b i t a: r e   e     a n d a r e     v - d a r e     v - d a r - a r - a r     v - d a r - a r - a r     v - d a r - a r - a r     v - d a r - a r - a r - a r     v - d a r - a r - a r - a r     v - d a r - a r - a r - a r - a r - a r     v - d a r - a r - a r - a r - a r - a r     v - d a r - a r - a r - a r - a r - a r - a r - a r - a r - a r     v - d a r - a r	w e n i: r e   v   a n i   b   e n i   r   e   v   e n i   r   e   v   e n i   r   e   v   e n i   r   e   v   e n i   r   e   v   e n i   e   v   e n i   e   v   e n i   e   e   v   e n i   e   e   v   e n i   e   e   v   e n i   e   e   v   e n i   e   e   e   e   e   e   e   e   e	e k s t e n d e r e e - t a - d - B e k s t e n d e r e - s t e n d e r i s t a - d e B i s t a r e e k s t a r e i s t a r e i s t a r e i s t a r -	ToLieAsInABed-lacere  j a - k e: r e 3 e - z i s - j a - θ e r - dʒ a - ʧ e: r e 3 e - z e s - 3 e - z e s - 3 e - z e r - 3 a w r e j e - s i - z e - f ea - ToStand-Levare  l e v a: r e l e v a r e l e v a r e l e v a s -
Latin French Spanish Italian PortugueseBrazil Portuguese Catalan Walloon Friulian Romanian  Latin French Spanish Italian PortugueseBrazil Portuguese	ToWalk-Ambitare   a m b i t a: r   e     a n d a r   e     a n d a r   e     \vec{v} - d - a r   e     \vec{v} - d - a r   e     \vec{v} - d - r   a r   e     \vec{v} - d - r   a r   e     \vec{v} - d - r   a r   e     \vec{v} - r   r   r     s - e d e: r   e     s   r   r   r     s   r   r   r     r   r   r     r   r   r	w e n i: r e   v   a n i   k   -   b   e n i   r   e     v   e n i   r   e     v   e n i   r   e     v   -   i   k   -     v   e n i   r   -     v   i   n i   -   -     v   e n i   r   -     v   e n i   r   e     ToSit-Sedentare   s   e   d   e n   t   a   r   e     s   e   -   n   t   a   r   -       e     s   e   -   n   t   a   r   -         e	e k s t e n d e r e e - t a - d - b e k s t e n d e r - e - s t e n d e r e i s t a r e e k s t a r - e k s t a r - i f t a r - i f t a r - i f t a r - i f t a r - i f t a r -	ToLieAsInABed-lacere  j a - k e: r e 3 e - z i s - j a - θ e r - dg a - ff e: r e 3 e - z e s - 3 e - z e s - 3 e - z e r - 3 a w r e j e - s i - z e - f ea - ToStand-Levare  l e v a: r e l e v a r e l e v a s - l e v a r - l e v a r - l e v a r -
Latin French Spanish Italian PortugueseBrazil Portuguese Catalan Walloon Friulian Romanian  Latin French Spanish Italian PortugueseBrazil Portuguese Catalan	ToWalk-Ambitare   a m b i t a: r e   e     a n d a r e     v - d a r e     v - d a r - a r - a r     v - d a r - a r - a r     v - d a r - a r - a r     v - d a r - a r - a r - a r     v - d a r - a r - a r - a r     v - d a r - a r - a r - a r - a r - a r     v - d a r - a r - a r - a r - a r - a r     v - d a r - a r - a r - a r - a r - a r - a r - a r - a r - a r     v - d a r - a r	w e n i: r e   v   a n i   b   e n i   r   e   v   e n i   r   e   v   e n i   r   e   v   e n i   r   e   v   e n i   r   e   v   e n i   e   v   e n i   e   v   e n i   e   e   v   e n i   e   e   v   e n i   e   e   v   e n i   e   e   v   e n i   e   e   e   e   e   e   e   e   e	e k s t e n d e r e e - t \( \tilde{a} \) - d - B e k s t e n d e r - e - s t \( \tilde{a} \) - d e B i \( \tilde{b} \) - d e B b - s t e n d - r \( \tilde{b} \) e k s t i n d e  TOStand  - s t a r e e s t a r - s t a r e i \( \tilde{f} \) t a r - i \( \tilde{f} \) t a r - a s t a r -	ToLieAsInABed-lacere  j a - k e: r e 3 e - z i s - j a - θ e r - dg a - ff e: r e 3 e - z e s - 3 e - z e s - 3 e - z e r - 3 a w - r f a dg e - r e - j e - s i - z a - ff ea - ToStand-Levare  l e v a: r e l e v a r e l e v a r e l e v a r - l i v a r - l v a
Latin French Spanish Italian PortugueseBrazil Portuguese Catalan Walloon Friulian Romanian  Latin French Spanish Italian PortugueseBrazil Portuguese Catalan Walloon	ToWalk-Ambitare   a m b i t a: r e   e     a n d a r e     v - d a r e     v - d a r - a r - a r     v - d a r - a r - a r     v - d a r - a r - a r     v - d a r - a r - a r - a r     v - d a r - a r - a r - a r     v - d a r - a r - a r - a r - a r - a r     v - d a r - a r - a r - a r - a r - a r     v - d a r - a r - a r - a r - a r - a r - a r - a r - a r - a r     v - d a r - a r	w   e   n   i:   r   e     v   a   n   i   k   -	e k s t e n d e r e e - t \( \tilde{a} \) - d - \( \tilde{b} \) e k s t e n d e r - e - s t \( \tilde{c} \) - d e \( \tilde{b} \) e k s t \( \tilde{e} \) - d e \( \tilde{b} \) i \( \tilde{b} \) t \( \tilde{e} \) - d e \( \tilde{b} \) i \( \tilde{b} \) t \( \tilde{e} \) - d e \( \tilde{c} \) e \( \tilde{b} \) t \( \tilde{e} \) - d e \( \tilde{c} \) e \( \tilde{b} \) t \( \tilde{e} \) - d e \( \tilde{c} \)  ToStand - \( \tilde{s} \) t \( \tilde{a} \) r \( \tilde{e} \) e \( \tilde{s} \) t \( \tilde{a} \) r \( \tilde{e} \) e \( \tilde{s} \) t \( \tilde{a} \) r \( \tilde{e} \) e \( \tilde{s} \) t \( \tilde{a} \) r \( \tilde{e} \) e \( \tilde{s} \) t \( \tilde{a} \) r \( \tilde{e} \)	ToLieAsInABed-lacere  j a - k e: r e 3 e - z i κ - j a - θ e r - dg a - ff e: r e 3 e - z e κ - 3 e - z e κ - 3 e - z e κ - 3 e - z e κ - 3 e - z e κ - 3 e - z e κ - 3 e - z e κ - 3 e - z e κ - 1 e v a: r e 1 e v a r e 1 e v a κ - 1 i v a r - 1 e v a r -
Latin French Spanish Italian PortugueseBrazil Portuguese Catalan Walloon Friulian Romanian  Latin French Spanish Italian PortugueseBrazil Portuguese Catalan	ToWalk-Ambitare   a m b i t a: r e   e     a n d a r e     v - d a r e     v - d a r - a r - a r     v - d a r - a r - a r     v - d a r - a r - a r     v - d a r - a r - a r - a r     v - d a r - a r - a r - a r     v - d a r - a r - a r - a r - a r - a r     v - d a r - a r - a r - a r - a r - a r     v - d a r - a r - a r - a r - a r - a r - a r - a r - a r - a r     v - d a r - a r	w e n i: r e   v   a n i   b   e n i   r   e   v   e n i   r   e   v   e n i   r   e   v   e n i   r   e   v   e n i   r   e   v   e n i   e   v   e n i   e   v   e n i   e   e   v   e n i   e   e   v   e n i   e   e   v   e n i   e   e   v   e n i   e   e   e   e   e   e   e   e   e	e k s t e n d e r e e - t \( \tilde{a} \) - d - B e k s t e n d e r - e - s t \( \tilde{a} \) - d e B i \( \tilde{b} \) - d e B b - s t e n d - r \( \tilde{b} \) e k s t i n d e  TOStand  - s t a r e e s t a r - s t a r e i \( \tilde{f} \) t a r - i \( \tilde{f} \) t a r - a s t a r -	ToLieAsInABed-lacere  j a - k e: r e 3 e - z i s - j a - θ e r - dg a - ff e: r e 3 e - z e s - 3 e - z e s - 3 e - z e r - 3 a w - r f a dg e - r e - j e - s i - z a - ff ea - ToStand-Levare  l e v a: r e l e v a r e l e v a r e l e v a r - l i v a r - l v a

	ToStand-Altiare	ToTurnIntransitive	ToTurnIntransitive-Gyrare	
				-AncestralClass3
Latin	- a 1 t i a: r e	t o r n a: r e	g y r a: r e	
French	-   o   -   s   -   e   -   -	t u	3   i   R   e   -   -	v i k e
Spanish	-   a   1   θ   -   a   r   -	tornar-	x i r a r -	b i r a r -
Italian	- a 1 ts a r e -	t o r n a r e	dg i r a r e	v i r a r e
PortugueseBrazil	-   a   <del>1</del>   s   -   a   -   -	t o r u a r -	3   i   r   a   r   -	v i r a r -
Portuguese	-   a   <del>1</del>   s   -   a   r   -	t u r n a r -	3   i   r   a   r   -	3   i   r   a   r   -
Catalan	-   ə   1   s   -   a   -   -	t   u   r   n   a   -   -	3   i   r   a   -   -	b   i   r   a   -   -
Walloon	h   3:   -   s   -   i:   -   -	t  u:  r   n   e   -   -		v   i   u   e   -   -
Friulian	-   a   1   t   ∫   -   a:   -	t o r n a:	ф i   r   a:   -   -	dg   i   r   a:   -   -
Romanian		t   u   r   n   a   -   -		
	ToTurnIntransitive-Torquer		ToFall-Tumbare	ToHold
Latin	t o r k <sup>w</sup> e: r e	k - a d e r e		t e n - e r e
French	$ \mathbf{r}  \mathbf{o}  \mathbf{R}  \mathbf{q}   -  \mathbf{R}  -$	$\int  \mathbf{w}  \mathbf{a} -  \mathbf{g}  \mathbf{g}$	t   õ   -   b   e   -	t   ə   n   -   i   ʁ   -
Spanish	$t \mid o \mid r \mid \theta \mid e \mid r \mid$		t u m b a r	t   e   n   -   e   r   -
Italian	t ortfere	k - a d e r e		t   e   n   -   e   r   e
			t   о   -   р   а   в	t   e   -   -   B   -
Portuguese	t  u r s e r -		t   õ   -   b   a   r	t   e   -   -   r   -
Catalan	t   2   r   8   2   -   -	$ \mathbf{k}  -  \mathbf{a} \mathbf{w}  -  \mathbf{r}  \mathbf{e}$	t   u   m   b   a   -	t   ə   n   -   i   -   -
Walloon		tf   -   ε:   -   -   R   -	t   u   m   -   e   -	t   i   n   -   i   -   -
Friulian		tf   j   a   d   e   -   -		t   i   n   j   i   -   -
Romanian	t  oa  r  tf   e   -   -	k   ə   d   ea   -   -   -	t   u   m   b   a   -	ts   i   n   -   e   -   -
	ToHold-Segurar	ToSqueeze	ToSqueeze-Serrere	ToSqueeze-Serare
Latin		e k s p r i m - e r e	s e r r e r e	se-rare
French		$\mid e \mid$ - $\mid$ - $\mid b \mid$ R $\mid \underline{\varepsilon} \mid$ - $\mid q \mid$ - $\mid$ R $\mid$ -		s   e   -   r   e   -   -
Spanish	s e g u r a r	e k s p r e m - i r -	$ \mathbf{s}   \mathbf{e}  -  \mathbf{r}   \mathbf{a}   \mathbf{r}  -$	$ \theta e - r a r -$
Italian		$-   -   s   p   r   \epsilon   m   -   e   r   e$		s e r r a r e
PortugueseBrazil	$ \mathbf{s} \mathbf{i} \mathbf{g} \mathbf{u} \mathbf{r} \mathbf{a} \mathbf{k}$	$ \mathbf{i}  -  \int  \mathbf{p}  \mathbf{r}  \mathbf{a}  \mathbf{m}   -  \mathbf{e}  \mathbf{\kappa}   -$	s   e   -   <b>B</b>   a   -   -	
Portuguese	$ \mathbf{s}  \mathbf{i}  \mathbf{y}  \mathbf{u}  \mathbf{r}  \mathbf{a}  \mathbf{r} $	$ \mathbf{i}  -  \int  \mathbf{p}  \mathbf{r}  \mathbf{a}  \mathbf{m}   -  \mathbf{e}  \mathbf{r}   -$	$ \mathbf{s} \mathbf{a} $ - $ \mathbf{R} \mathbf{a} \mathbf{f} $ -	s   i   -   u   a   r   -
Catalan			$ \mathbf{s} \mathbf{a}$ - $ \mathbf{r} \mathbf{a}$	
Walloon				$  s   \epsilon   -   R   e   -   -$
Friulian		e - s p r i m - i		
Romanian		-   s   k   -   r   e   m   e   -   -   -		
	ToSqueeze-Appectorare	ToSqueeze-Stringere	ToRub	ToRub-Exfricare
Latin	a p p e k t o r a: r e	- s t r i n g e r e	f r i k a: r e	
French		$\left  \begin{array}{c c c c c c c c c c c c c c c c c c c $	f   <b>B</b>   <b>Ej</b>   <b>e</b>   -   -   -	
Spanish	a  -  p  -  - r e t a r -	e s t r e p - i r -	$ \mathbf{f}  \mathbf{r}  \mathbf{e}  \mathbf{g}  \mathbf{a}  \mathbf{r}  $	
Italian		-   s   t   r   i   n   dz   e   r   e	$f \mid r \mid e \mid g \mid a \mid r \mid e$	
PortugueseBrazil	$-  \mathbf{p}  \cdot  \mathbf{p}  \cdot  \mathbf{r}  -  \mathbf{r}  -  \mathbf{g}  -  \mathbf{g} $	$\left  \frac{\partial}{\partial t} \right  \left  \frac{\partial}{\partial t}$		$ \mathbf{i}  \int  \mathbf{f}  \mathbf{r}  \mathbf{i}  g  \mathbf{a}  \mathbf{r}$
Portuguese	$-  \mathbf{r}  \mathbf{a}  \mathbf{r}  -  \mathbf{r}  \mathbf{a}  \mathbf{r}  -  \mathbf{g} $	$\left  \left  \frac{\partial}{\partial r} \right  \left  \frac{\partial}{\partial$		$ \mathbf{i}  \int  \mathbf{f}  \mathbf{r}  \mathbf{i}  \mathbf{y}  \mathbf{a}  \mathbf{r}$
Catalan		ə   s   t   r   ε   ŋ   ə   -   -   -	$ \mathbf{f}  \mathbf{r}  \mathbf{a}  \mathbf{g}  \mathbf{a}  -  \mathbf{r} $	
Walloon		s t r i n g e	f   r  oj   -   -   -   -	
Friulian		$ s t r \epsilon n g i: - - -$	f   r   e   -   a   -   -	
Romanian		s t r i n d e	f   r   e   k   a   -   -	

	ToRub-Frictare	ToRub-Frictiare	ToWash	ToWipe
Latin	f r i k t a: r e		l a w a: r e	t e r g e r e
French	f   B   O   T   E   -   -   -		1 a v e	
Spanish	f r o t a r	f r i s a r	1 a β a r -	
Italian	f r e t t a r e		l a v a r e	t ε r d e r e
PortugueseBrazil			1   g   v   a   r   -	
Portuguese			1   e   v   a   r   -	
Catalan		f r ə s a -	б a b a	
Walloon	f   u   o   t   e   -   -   -		1 a v e	
Friulian			1 a v a:	
Romanian			1 a	
	ToWipe-Extergere	ToWipe-Exsucare	ToWipe-Limpidare	ToPull
Latin	ekstergere	e k s - u: k - a: r e	l i m p i d a: r e	t i r a: r e
French		e   -   s   y   i   -   j   e   -   -		t   i   r   e   -   -
Spanish	e - s t a r s i r -	e n x - u g - a r -	1   i   m   p   j   -   a   r   -	t i r a r -
Italian		$ \mathbf{a}  \int  \mathbf{f}  -  \mathbf{u}  \mathbf{g}   -  \mathbf{a}  \mathbf{r}   \mathbf{e}$		t i r a r e
PortugueseBrazil		$ \tilde{e}  -  \int  - u g  -  a r $	1   î   -   p   -   -   a   r   -	tf   i   r   a   -   -
Portuguese		$ \tilde{e}  -  \int  - u  \gamma  - a  r  -$	1   î   -   p   -   -   a   r   -	t i r a r -
Catalan	ə   -   s   t   ə   r   ʒ   i   -   -	$ \mathbf{a}  -  \mathbf{f}  -  \mathbf{u}  \mathbf{g}  \mathbf{a}  -  \mathbf{f}  -  \mathbf{g}  \mathbf{a}$		t   i   r   a   -   -
Walloon		-   -   s   -   u   -   w   e   -   -		t   i   r   e   -   -
Friulian		-   -   s   -   u   -   j   a:   -   -		t   i   r   a:   -   -
Romanian	- -     t   e   r   dz   e   -  -	u - s - - k - a - -		
	ToPull-Pulsare	ToPull-Trahere	ToPush	ToThrow
Latin	p u 1 s a: r e	t r a h e r e	i m p i n g e r e	j a k t a: r e
French	p   u   -   s   e   -   -	t   κ   -   -   ε   κ   -		3   ə   -   t   e   -   -
Spanish	p u  -  x a r			-   e   -   tf   a   r   -
Italian	p u 1 s a r e	t   r   a   r   -   r   e	$ \mathbf{i} \mathbf{m} \mathbf{p} \mathbf{i} \mathbf{n} \mathbf{d}\mathbf{g} \mathbf{e} \mathbf{r} \mathbf{e}$	dg e t t a r e
Italian PortugueseBrazil	$ \begin{vmatrix} p &   u & 1 &   s &   a &   r &   e \\ p &   u &   - &   \int   a &   r &   - \end{vmatrix} $	t   r   a   z   e   -   -	$i \mid m \mid p \mid i \mid n \mid dg \mid e \mid r \mid e$	dgettare gejtar-
Italian PortugueseBrazil Portuguese	p u 1 s a r e	t r a z e t r z e r -		dg e t t a r e 3 ej t a r 3 ej t a r
Italian PortugueseBrazil Portuguese Catalan	$ \begin{vmatrix} p & u & 1 & s & a & r & e \\ p & u & - & \int a & r & - \\ p & u & - & \int a & r & - \\ \end{vmatrix} $	t   r   a   z   e   -   -	$\begin{vmatrix} i & m & p & i & n & d \end{vmatrix} e \begin{vmatrix} r & e \end{vmatrix}$ $\begin{vmatrix} a & m & p & \epsilon & n & - \end{vmatrix} = \begin{vmatrix} a & m & p & \epsilon & n & - \end{vmatrix} = \begin{vmatrix} a & m & p & \epsilon & n \end{vmatrix}$	dg   e   t   t   a   r   e
PortugueseBrazil Portuguese Portuguese Catalan Walloon	p   u   1   s   a   r   e     p   u   -   \int   a   r   -         p   u   -   \int   a   r   -	t r e z e r - t r ε w - r ə		dg e t t a r e 3 ej t a r 3 ej t a r
Italian PortugueseBrazil Portuguese Catalan Walloon Friulian	p   u   1   s   a   r   e     p   u   -         a   r   -	t   r   a   z   e   -   -   -   -   -   -   -   -   -	$-\left \mathbf{e}\left \mathbf{n}\right \mathbf{p}\left \mathbf{s}\left \mathbf{n}\right \right $	dg   e   t   t   a   r   e
PortugueseBrazil Portuguese Portuguese Catalan Walloon	p   u   1   s   a   r   e     p   u   -   f   a   r   -	t   r   a   z   e   -   -	$\begin{vmatrix} \mathbf{a} & \mathbf{m} & \mathbf{p} \end{vmatrix} \mathbf{\epsilon} \begin{vmatrix} \mathbf{n} & \mathbf{r} & \mathbf{a} \end{vmatrix} = \begin{vmatrix} \mathbf{a} & \mathbf{r} \end{vmatrix} \mathbf{r}$ $\begin{vmatrix} \mathbf{a} & \mathbf{m} & \mathbf{p} \end{vmatrix} \mathbf{i} \begin{vmatrix} \mathbf{n} & \mathbf{d} & \mathbf{g} \end{vmatrix} \mathbf{e} \begin{vmatrix} \mathbf{r} & \mathbf{r} \end{vmatrix} = \begin{vmatrix} \mathbf{r} & \mathbf{r} \end{vmatrix}$	dg   e   t   t   a   r   e
Italian PortugueseBrazil Portuguese Catalan Walloon Friulian Romanian	p   u   1   s   a   r   e     p   u   -       a   r   -	t r a z e t r e z e r - t r aj t r a d e	ə m p   ɛ   n   -   ə   -   -   -     i   m p   i   n   d   e   -   -     -	dg   e   t   t   a   r   e     g   ej   t   a   r   -   -
Italian PortugueseBrazil Portuguese Catalan Walloon Friulian Romanian	p u 1 s a r e p u -	t   r   a   z   e   -   -	a m p   a   n   -   a   -   -   -	dg   e   t   t   a   r   e
Italian PortugueseBrazil Portuguese Catalan Walloon Friulian Romanian Latin French	p u 1 s a r e p u -	t r a z e t r aj t r a dz e  t r u n k a: r e	a   m   p   E   n   -   a   -   -   -   -	dg   e   t   t   a   r   e
Italian PortugueseBrazil Portuguese Catalan Walloon Friulian Romanian Latin French Spanish	v   v   s   a   r   e   p   u   -   f   a   r   -   p   u   -   f   a   r   -   -   p   u   s   s   s   -   -   p   u   s   a   -   -     p   u   s   a   -   -	t   r   a   z   e   -   -	a   m   p   ε   n   -   a   -   -   -   -   -   -   -   -	dg   e   t   t   a   r   e     g   ej   t   a   r   -   -
Italian PortugueseBrazil Portuguese Catalan Walloon Friulian Romanian Latin French Spanish Italian		t r a z e t r aj t r a dz e  t r u n k a: r e	a   m   p   E   n   -   a   -   -   -   -	dg   e   t   t   a   r   e
Italian PortugueseBrazil Portuguese Catalan Walloon Friulian Romanian  Latin French Spanish Italian PortugueseBrazil		t   r   a   z   e   -   -	a   m   p   ε   n   -   a   -   -   -   -   -   -   -   -	dg   e   t   t   a   r   e
Italian PortugueseBrazil Portuguese Catalan Walloon Friulian Romanian  Latin French Spanish Italian PortugueseBrazil Portuguese		t   r   a   z   e   -   -	a m p   ε   n   -   a   -   -     i m p   i   n   dg   e   -   -     To Tie   l i g   a: r   e     l i e g   a   r   e     l e g   a   r   e	dg   e   t   t   a   r   e
Italian PortugueseBrazil Portuguese Catalan Walloon Friulian Romanian  Latin French Spanish Italian PortugueseBrazil Portuguese Catalan		t   r   a   z   e   -   -	a m p   a   n   a   -   -   -   -   -   -   -   -   -	dg   e   t   t   a   r   e
Italian PortugueseBrazil Portuguese Catalan Walloon Friulian Romanian  Latin French Spanish Italian PortugueseBrazil Portuguese Catalan Walloon		t   r   a   z   e   -   -	a m p   a   n   a   -   -   -   -	dg   e   t   t   a   r   e
Italian PortugueseBrazil Portuguese Catalan Walloon Friulian Romanian  Latin French Spanish Italian PortugueseBrazil Portuguese Catalan		t   r   a   z   e   -   -	a m p   a   n   a   -   -   -   -   -   -   -   -   -	dg   e   t   t   a   r   e

	ToSew	ToCount	ToCount-Enumerare	ToSay
Latin	k o: n - s u e r e	k o m p u t a: r e	e: n u m e r a: r e	d i: k e r e
French	k u - d	k   õ   -   -   t   e   -   -	е n u m е в е	d   i   -   -   в   -
Spanish	k o s - e r -	k o n t a r -	e n u m e r a r -	d e θ i r -
Italian	k u tf - i r e	k o n t a r e	e n u m e r a r e	d i r e
PortugueseBrazil	k u z - e r -	k   õ   -   -   t   a   r   -	e n u m e r a r -	d i z - e r
Portuguese	k u z - e r -	k   õ   -   -   t   a   r   -	e n u m e r a r -	d i z - e r
Catalan	k   u   -   -   z   -   i   -   -	k u m t a	e n u m e r a	d   i   -   -   -
Walloon	k  ø:   -   -   z   -   -   -	k   õ   -   -   t   e   -   -   -		
Friulian	k u z i	k o n t a:		d   i:   -   -   -
Romanian	c   oa   -   s   -   e   -   -		- n u m a r a	z i tf e
	ToSay-Exponere	ToSing-AncestralClass	ToPlay-Ludere	ToPlay-Jiocare
Latin	e k s p o: n e r e	k a n t a: r e	1 u: d e r e	j o - k a: r e
French		$\int  \tilde{\alpha}  -  t  e  -  -$		
Spanish		k a n t a r -	1   u   d   i   r   -	x   u   -   g   a   r   -
Italian	- - s p o r - r e	k a n t a r e		dg o - k a r e
PortugueseBrazil		k   e   -   t   a   r   -		3 o - g a в -
Portuguese				3   u   -   y   a   r   -
Catalan				
Walloon		tf   ã   -   t   e   -   -		dz u w - e
Friulian		c   a   n   t   a:   -   -		dg   u   j   -   a:   -   -
Romanian	-   -   s   p   u   n   e   -   -			
	ToFloat	ToFloat-Fluitare	ToFlow	ToFlow-Colare
Latin	f   l   u:   k   t   u   a:   r   e	f   1   u   i   t   a:   r   e	f   1   u   e   r   e	k o: l a: r e
French	$ \mathbf{f}  1  \mathbf{y}  \mathbf{k}  \mathbf{t}  \mathbf{q}  \mathbf{e}  -  \mathbf{r} $		f   1   y   e   -   -	
Spanish	$f \mid 1 \mid y \mid \alpha \mid t \mid yyy \mid \alpha \mid \alpha$		f   1   u   i   r   -	k o 1 a r -
1	$f \mid 1 \mid u \mid g \mid t \mid w \mid a \mid r \mid -$			
ltalian	f   1   u   t   t   u   a   r   e	f  1  u  i  t  a  r  e	$f \mid l \mid u \mid i \mid r \mid e$	k o 1 a r e
PortugueseBrazil	f   1   u   t   t   u   a   r   e   f   1   u   -   t   u   a   в   -	f  l  u  i  t  a  r  e	f   1   w   i   в   -	k o l a r е k о - а в -
PortugueseBrazil Portuguese	f   l   u   t   t   u   a   r   e     f   l   u   - t   u   a   в   -   f   l   u   -   t   u   a   r   -	f l u i t a r e	$egin{array}{c c c c c c c c c c c c c c c c c c c $	k o l a r e k o - a r - k u - a r -
PortugueseBrazil Portuguese Catalan	f   1   u   t   t   u   a   r   e   f   1   u   -   t   u   a   в   -	f l u i t a r e	f   1   w   i   в   -	k   o   l   a   r   e   k   o   -   a   в   -   k   u   -   a   r   -   k   u   f   a   -
PortugueseBrazil Portuguese Catalan Walloon	f   l   u   t   t   u   a   r   e     f   l   u   - t   u   a   в   -   f   l   u   -   t   u   a   r   -	f l u i t a r e	$egin{array}{c c c c c c c c c c c c c c c c c c c $	k o l a r e k o - a r - k u - a r -
PortugueseBrazil Portuguese Catalan Walloon Friulian	f   1   u   t   t   u   a   r   e       f   1   u   -   t   u   a   в   -       f   1   u   -   t   u   a   в   -       f   1   u   k   t   u   a   -   -	f l u i t a r e	$egin{array}{c c c c c c c c c c c c c c c c c c c $	k   o   l   a   r   e   k   o   -   a   в   -   k   u   -   a   r   -   k   u   f   a   -
PortugueseBrazil Portuguese Catalan Walloon	f   1   u   t   t   u   a   r   e   f   1   u   -   t   u   a   r   -   f   1   u   -   t   u   a   r   -   -     f   1   u   c   t   u   a   -   -     -		$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	
PortugueseBrazil Portuguese Catalan Walloon Friulian Romanian	f   1   u   t   t   u   a   r   e         f   1   u   - t   u   a   в   -         f   1   u   - t   u   a   r   -         f   1   u   k   t   u   a   -   -     ToFlow-Excurrere	ToFlow-Currere	f   1   w   i   в   -         f   1   w   i   f   -         f   1   u   i   -   -	k o l a r e k o - a в - k u - a r - k u l a k o l e
PortugueseBrazil Portuguese Catalan Walloon Friulian Romanian	f   1   u   t   t   u   a   r   e   f   1   u   -   t   u   a   r   -   f   1   u   -   t   u   a   r   -   -     f   1   u   c   t   u   a   -   -     -	ToFlow-Currere	f   1   w   i   B   -         f   1   w   i   f   -         f   1   u   i   -   -    ToFreeze         g   e   1   a:   r   e	
PortugueseBrazil Portuguese Catalan Walloon Friulian Romanian Latin French	f   1   u   t   t   u   a   r   e         f   1   u   -   t   u   a   в   -         f   1   u   -   t   u   a   r   -         f   1   u   c   t   u   a   -   -	ToFlow-Currere    k   u   r   r   e   r   e     k   u   r   r   e   r	f   1   w   i   B   -         f   1   w   i   r   -         f   1   u   i   -   -    ToFreeze         g   e   1   a:   r   e         3   a   1   e   -   -	k o l a r e k o - a в - k u - a r - k u l a k o l e
PortugueseBrazil Portuguese Catalan Walloon Friulian Romanian  Latin French Spanish	f   1   u   t   t   u   a   r   e         f   1   u   -   t   u   a   в   -         f   1   u   -   t   u   a   r   -         f   1   u   c   t   u   a   -   -            f   1   u   c   t   u   a   -   -         ToFlow-Excurrere         e   k   s   k   u   r   r   e   r   e         e   -   s   k   u   r   i   r   -   -	ToFlow-Currere   k   u   r   r   e   r   e	ToFreeze  g e 1 a: r e 3 9 1 e e 1 a r -	
PortugueseBrazil Portuguese Catalan Walloon Friulian Romanian  Latin French Spanish Italian	f   1   u   t   t   u   a   r   e         f   1   u   - t   u   a   в   -         f   1   u   - t   u   a   r   -         f   1   u   c   t   u   a   r   -         f   1   u   c   t   u   a   -   -            ToFlow-Excurrere         e   k   s   k   u   r   r   e   r   e         e   -   s   k   u   r   i   f   -   -   -   -   -   s   k   o   r   r   e   r   e	ToFlow-Currere   k   u   r   r   e   r   e     k   u   -	ToFreeze  g e 1 a: r e 3 9 1 e e 1 a r e	
PortugueseBrazil Portuguese Catalan Walloon Friulian Romanian  Latin French Spanish Italian PortugueseBrazil	f   1   u   t   t   u   a   r   e         f   1   u   - t   u   a   в   -         f   1   u   - t   u   a   r   -         f   1   u   c   t   u   a   r   -         f   1   u   c   t   u   a   -   -            ToFlow-Excurrere         e   k   s   k   u   r   r   e   r   e         e   -   s   k   u   r   r   e   r   e         i   -   k   o   -   s   e   s   -	ToFlow-Currere   k   u   r   r   e   r   e     k   u   -   k   i   k   -     k   o   -   r   e   r   e     k   u   -     e     k   u   -     e     k   u   -     e     k   u   -     e     k   u   -     e     k   u   -     e     k   u   -     e     k   u   -     e     k   u   -     e     k   u   -     e     k   u   -     e     u   u   -     u   u   u   u   u   u	ToFreeze  g e 1 a: r e g e 1 a r e g i 1 a r e g i 1 a r e g i 1 a r -	
PortugueseBrazil Portuguese Catalan Walloon Friulian Romanian  Latin French Spanish Italian PortugueseBrazil Portuguese	f   1   u   t   t   u   a   r   e         f   1   u   - t   u   a   в   -         f   1   u   - t   u   a   г   -         f   1   u   c   t   u   a   г   -         f   1   u   c   t   u   a   -   -            ToFlow-Excurrere         e   k   s   k   u   r   r   e   r   e         e   -   s   k   u   r   r   e   r   e         i   -   f   k   o   u   e   e   r   e	ToFlow-Currere    k   u   -   k   e   r   -       k   u   -   k   i   k   -       k   u   -   k   i   k   -       k   u   r   r   e   r   e     k   u   r   r   e   r   e     k   u   r   r   e   r   e       k   u   r   r   e   r   e       k   u   -   k   e   r   -       k   u   -   k   e   r   e   r     k   u   -   k   e   r   r     k   u   -   k   e   r   r     k   u   -   k   e   r   r     k   u   -   k   r   r   r     k   u   -   k   r   r   r   r     k   u   -   k   r   r   r   r   r     k   u   -   k   r   r   r   r   r     k   u   -   k   r   r   r   r   r   r   r     k   u   -   r   r   r   r   r   r   r   r   r	ToFreeze  g e 1 a: r e 3 a 1 e e 1 a r e 3 i 1 a r - 3 i 1 a r -	
PortugueseBrazil Portuguese Catalan Walloon Friulian Romanian  Latin French Spanish Italian PortugueseBrazil Portuguese Catalan	f   1   u   t   t   u   a   r   e         f   1   u   - t   u   a   в   -         f   1   u   - t   u   a   r   -         f   1   u   c   t   u   a   r   -         f   1   u   c   t   u   a   -   -            ToFlow-Excurrere         e   k   s   k   u   r   r   e   r   e         e   -   s   k   u   r   r   e   r   e         i   -   k   o   -   s   e   s   -	ToFlow-Currere   k   u   r   r   e   r   e     k   u   -   k   i   k   -     k   o   -   r   e   r   e     k   u   -     e     k   u   -     e     k   u   -     e     k   u   -     e     k   u   -     e     k   u   -     e     k   u   -     e     k   u   -     e     k   u   -     e     k   u   -     e     k   u   -     e     u   u   -     u   u   u   u   u   u	ToFreeze  g e 1 a: r e 3 a 1 e e 1 a r e 3 i 1 a r - 3 a 1 a - 3 a 1 a -	
PortugueseBrazil Portuguese Catalan Walloon Friulian Romanian  Latin French Spanish Italian PortugueseBrazil Portuguese Catalan Walloon	f   1   u   t   t   u   a   r   e   f   1   u   - t   u   a   u	ToFlow-Currere   k   u   r   r   e   r   e     k   u   -   B   i   B   -     k   o   -   r   e   r   e     k   o   -   r   e   r   e     k   o   -   B   e   r   -     k   o   -   r   ə   -	ToFreeze  g e 1 a: r e 3 a 1 e e 1 a r e 3 i 1 a r - 3 i 1 a r -	
PortugueseBrazil Portuguese Catalan Walloon Friulian Romanian  Latin French Spanish Italian PortugueseBrazil Portuguese Catalan	f   1   u   t   t   u   a   r   e         f   1   u   - t   u   a   в   -         f   1   u   - t   u   a   в   -         f   1   u   c   t   u   a   г   -         f   1   u   c   t   u   a   -   -            ToFlow-Excurrere         e   k   s   k   u   r   r   e   r   e         e   -   s   k   u   r   r   e   r   e         i   -   f   k   o   -   s   e   s   e   r   e         i   -   f   k   u   -   r   e   r   e	ToFlow-Currere    k   u   -   k   e   r   -       k   u   -   k   i   k   -       k   u   -   k   i   k   -       k   u   r   r   e   r   e     k   u   r   r   e   r   e     k   u   r   r   e   r   e       k   u   r   r   e   r   e       k   u   -   k   e   r   -       k   u   -   k   e   r   e   r     k   u   -   k   e   r   r     k   u   -   k   e   r   r     k   u   -   k   e   r   r     k   u   -   k   r   r   r     k   u   -   k   r   r   r   r     k   u   -   k   r   r   r   r   r     k   u   -   k   r   r   r   r   r     k   u   -   k   r   r   r   r   r   r   r     k   u   -   r   r   r   r   r   r   r   r   r	ToFreeze  g e 1 a: r e 3 a 1 e e 1 a r e 3 i 1 a r - 3 a 1 a - 3 a 1 a -	

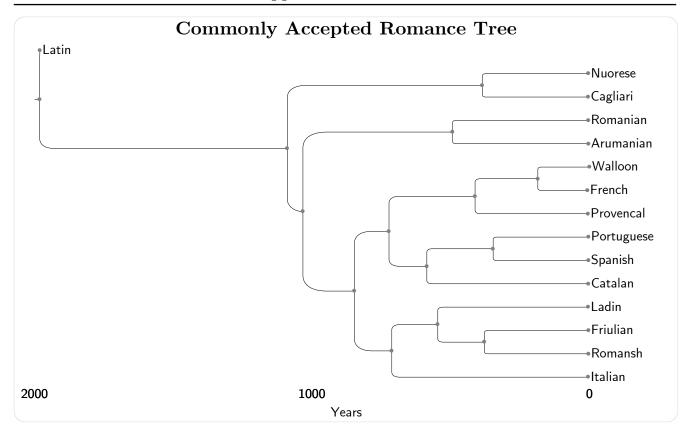
	ToFreeze-Inglaciare	ToBurn-Brojan	ToBurn-Cremare	ToBurn-Flammare
Latin	i n g l a k i a: r e		k r e m a: r e	f l a m m a: r e
French		b в у 1 e	k   B   a   m   e   -   -	f   1   <del>a</del>   -   b   e   -   -
Spanish			k - e m a r -	f l a - m e a r
Italian		b r u tf a r e	k r e m a r e	f j a m m a r e
PortugueseBrazil			k - ej m a r e	
Portuguese			k - ej m a в e	
Catalan			k r ə m a	f   1   a   m   a   -   -   -
Walloon		b в u: 1 e		
Friulian		b r u z a:		
Romanian	i   n   g   -   e   ts   -   a   -   -			
	ToBurn-Ardere	ToBurn-Flagrare	ToBurn-Incendere	ToBurn-AncestralClass8
Latin	a r d e: r e	f l a g r a: r e	$ \mathbf{i}  \mathbf{n}  \mathbf{k}  \mathbf{e}  \mathbf{n}  \mathbf{d}   -  \mathbf{e}  \mathbf{r}   \mathbf{e}$	u s t u l a: r e
French	$ \mathbf{a} \mathbf{R} \mathbf{q} - \mathbf{R} $	f   1   a   g   в   е   -   -	$\left  \stackrel{.}{\epsilon} \right  - \left  \stackrel{.}{s} \right  \stackrel{.}{\alpha} \left  - \left  \stackrel{.}{d} \right  \stackrel{.}{j} \left  e \right  - \left  - \right  - \right $	
Spanish	$ \mathbf{a}  \mathbf{r}  \mathbf{d}  \mathbf{e}  \mathbf{r} $ -	$\mathbf{f} \mid 1 \mid \mathbf{a} \mid \mathbf{g} \mid \mathbf{r} \mid \mathbf{a} \mid \mathbf{r} \mid$	$ \mathbf{e} \mathbf{n} \mathbf{\theta} \mathbf{e} \mathbf{n} \mathbf{d} $ - $ \mathbf{e} \mathbf{r} $ -	
Italian	a r d e r e	f   1   a   g   r   a   r   e	$ i n tf \epsilon n d j a r e$	u s t o l a r e
PortugueseBrazil		f   1   a   g   в   a   в   -	ĩ   -   s   e   n   dʒ   ɪ   a   r   -	
Portuguese	$ \mathbf{r} \mathbf{d} \mathbf{e} \mathbf{r}$	$f \mid 1 \mid a \mid g \mid r \mid a \mid r \mid$	$ \tilde{\imath}  -  s  \tilde{e}  - d  j  a  r -$	
Catalan			$\begin{vmatrix} \mathbf{a} & \mathbf{n} & \mathbf{s} \end{vmatrix} \begin{vmatrix} \mathbf{e} & \mathbf{n} & \mathbf{d} \end{vmatrix} - \begin{vmatrix} \mathbf{r} & \mathbf{a} \end{vmatrix} \end{vmatrix} = \mathbf{r} \begin{vmatrix} \mathbf{a} & \mathbf{s} \end{vmatrix}$	
Walloon				
Friulian				
Romanian	a   r   d   e   -   -		$ \mathbf{i}  \mathbf{n}  \mathbf{t}  \mathbf{i}  \mathbf{n}  \mathbf{d}  \mathbf{z}  \mathbf{e}  \mathbf{-}  \mathbf{-}$	u   s   t   u   r   a   -   -
	All	All-Totus	Many	Many-Tantus
Latin	o m n e: s	$ \mathbf{t}   \mathbf{o}\mathbf{r}  -  \mathbf{t}   \mathbf{u}   \mathbf{s} $	$m \mid u \mid 1 \mid t \mid u \mid s$	t a n t u s
French		t  u  -   -   -	m u	
Spanish		t   o   -   d   o   -	m u - tf o -	t a n t o -
Italian	o   n   n   i   -	t u t t o -	m o 1 t o -	t   a   n   t   o   -
PortugueseBrazil		t   o   -   d   u   -	$\mathbf{m} \mid \tilde{\mathbf{u}} \mid \tilde{\mathbf{j}} \mid - \mid \mathbf{t} \mid \mathbf{u}$	$ t \tilde{e} - t u -$
Portuguese		t   o   -   ð   u   -	$\mathbf{m} \mid \tilde{\mathbf{u}} \mid \tilde{\mathbf{j}} \mid - \mid \mathbf{t} \mid \mathbf{u}$	$ t \tilde{\varepsilon} - t u -$
Catalan		t o - t	m o 1	t   a   n   t   -   -
Walloon		t   o   -   -   -		
Friulian		d   u   -   t   -   -	m o 1 c	t   a   n   c   -   -
Romanian		t o - t	m u 1 t	
	Some	Few	Other	Other-Alius
Latin		pauku s	a   1   t   e   r   -	a l l i u s
French	$ \mathbf{o}  -  \mathbf{k}  \mathbf{e} = -$	p   ø   -   -	o   -   t   -   R   -	
Spanish	a l g u n o	poko-	o  -  t  -  r o	
Italian	a l k u n o	p   o   k   o   -	a   1   t   -   r   o	
PortugueseBrazil		p o w k u	o  w  t - r u	a   w   -   -   -
Portuguese	$ \mathbf{a}  1  \mathbf{g}  \mathbf{\tilde{u}}  $ - $ \mathbf{c} $	p o w k u	$ \mathbf{o} \mathbf{w} \mathbf{t}  -  \mathbf{r} \mathbf{u} $	a 1 - - -
Catalan	ə   1   g   u   -   -	p   o   k   -   -	a   1   t   -   r   ə	
Walloon		p   õ   -   -   -		
Friulian		p   o:   k   -   -	a   1   t   -   r   i	
Romanian			a   1   t   -   -   -	

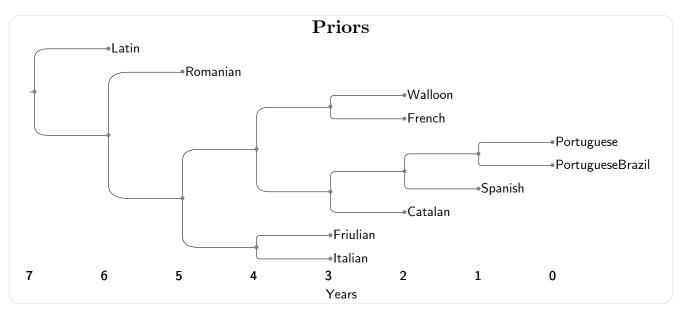
	Big	Big-Grandem	Big-Majjorem	Long-Longum
Latin	m a g n u m	g r a n d e m	m aj j o r e m	1 o - n g u m
French		два		1   5   -   -   -   -
Spanish	m a - n o -	g r a n d e -		1 o - n g o -
Italian	mappo-	g r a n d e -		1  u  -  n  g  o  -
PortugueseBrazil		g r g - d i -		1   õ   -   g   u   -   -
Portuguese		$ g $ r $ \tilde{e} $ - $ d $ i $ $ -		1   õ   -   g   u   -   -
Catalan		g r a n		Λ   o   -   ŋ   -   -   -
Walloon		g в ã		1   õ   -   -   -   -
Friulian		g r a n t		1   u   n   k   -   -   -
Romanian			m a r e	1  u  n  g   -   -   -
	Long-Largum	Wide	Wide-Amplum	Heavy
Latin	1 a r g u m	l a: t u m	a m p l u m	g r a w i s
French	1 а в 3	1   e   -   -   -	$ \tilde{a} $ - $ p $ $ 1 $ - $ -$	g   r   a   v   -   -
Spanish	1 a r y o -	1 a t o -	$ \mathbf{a} \mathbf{n} \mathbf{t}  -  \mathbf{o} $	g   r   a   b   e   -
Italian	1 a r g o -	1 a t o -	a m p j o -	$ g  r  \epsilon  v  e $
PortugueseBrazil	1   a   в   g   u   -	1   a   t   u   -	$\left  \widetilde{\mathbf{e}} \right  - \left  \int \left  - \right  \mathbf{u} \right  -$	$ g  \mathbf{r}  a  \mathbf{v}  i $
Portuguese	1 a r g u	1   a   t   u   -	$\left  \widetilde{\mathfrak{e}} \right  - \left  \int \left  - \left  \mathbf{u} \right  \right  - \left  \mathbf{u} \right  $	$ g  \mathbf{r}  a  \mathbf{v}  \dot{\mathbf{i}} $ -
Catalan	Λ a r k		a m p 1 ə -	$ g  \mathbf{r}  e  \mathbf{w} -  -$
Walloon				g   r   a   v   -   -
Friulian	1   a   r   k   -   -			$ g r \epsilon v i $
Romanian	1   a   r   g   -   -	1 a t		$ g  \mathbf{r}  e  \mathbf{w}$
	Heavy-Lurdus	Heavy-Pesant	Small	Small-Pittinus
Latin	1   u   r   d   u   s	p e: s a n t -	$p \mid i \mid t \mid t \mid i \mid t \mid u \mid s$	$p \mid i \mid t \mid t \mid i \mid n \mid u \mid s$
French	1   u   ʁ   -   -   -	p   ə   z   ɑ̃   -   -   -	p   ə   -   t   i   -   -   -	
Spanish	1 e r d o -	p e s a - ð o		p e - k e n o -
Italian	1 o r d o -	p e s a n t e		$p \mid i \mid t \mid t \mid i \mid n \mid o \mid -$
PortugueseBrazil		p e z a - d u		p e k e n u
Portuguese	1   e   r   d   o   -	$p \mid i \mid z \mid a \mid - \mid \delta \mid u$		p   i   k   e   n   u   -   -
Catalan		p   ə   z   a   -   t   -	p   ə   t   i   t   -   -   -	
Walloon			p   i   -   t   i   -   -   -	
Friulian		$p \mid e \mid z \mid a \mid n \mid t \mid -$		
Romanian	G !! D! !		CI D	p   u   -   ts   i   n   -   -
	Small-Pitulus	Short	Short-Brevis	Narrow
Latin	$p \mid i \mid - \mid t \mid u \mid 1 \mid u \mid s$		b   r   e   w   i   s	$a \mid n \mid g \mid u \mid s \mid t \mid u \mid s$
French		K   11   K   -   -   -	$ \mathbf{p} \mathbf{R} \mathbf{\epsilon} \mathbf{t} $ – $ $ –	
C a ! a  -			h h .	
Spanish	:   1 <sub>0</sub>   1 <sub>0</sub>   0   1   0	korto-	b   r   e   b   e   -	a n g o s t o -
Italian	p i k k o 1 o		$ \mathbf{b}  \mathbf{r}  \mathbf{\epsilon}  \mathbf{v}  \mathbf{e} $ -	a   n   g   o   s   t   o   -     a   n   g   u   s   t   o   -
Italian PortugueseBrazil	p i k k o 1 o -		$ \begin{vmatrix} b & r & \epsilon & v & e \\ b & r & \epsilon & v & i \end{vmatrix} - $	
Italian PortugueseBrazil Portuguese	p i k k o l o -		b r ε v e - b r ε v i - b r ε v i -	
Italian PortugueseBrazil Portuguese Catalan	p i k k o 1 o -		b r ε v e - b r ε v i - b r ε v i - b r ε v	
Italian PortugueseBrazil Portuguese Catalan Walloon			b r ε v e - b r ε v i - b r ε v i -	
Italian PortugueseBrazil Portuguese Catalan	p i k k o 1 o - $ p i - tf u 1 - -$		b r ε v e - b r ε v i - b r ε v i - b r ε v	

	Narrow-Strictus	Thin	Thin-Delicatus	Thin-Subtilis
Latin	- s t r - i - k t u s	m i n u: - t u s	d e: l i k a: t u s	s u b t i: l e m
French	e - t в w a	m ə n y	d  u:  -   -   3  e:  -   -   -	
Spanish	e s t r - e - tf o -	m e n u - d o -	d   e   1   -   y   a   ð   o   -	s   u   -   t   i   1   -   -
Italian	-   s   t   r   -   e   -   t   t   o   -	m i n u - t o -	d e l i k a t o -	s o t t i 1 e -
PortugueseBrazil	i   s   t   r   -   ej   -   -   t   u   -	m i - u - d u -	d e w - g a d u -	s u tf i w
Portuguese	i   f   t   r   -   ej   -   -   t   u   -	m i - u - ð u -	$ \mathbf{d}  \mathbf{\epsilon}  \mathbf{i}  -  \mathbf{y}  \mathbf{a}  \mathbf{\delta}  \mathbf{u} $ -	s u t i w
Catalan	ə s t r - ε t	m ə n u - t	d   ə   l   i   k   a   t   -   -	s u p t i 1
Walloon	- s t B - Ø:	m i n u		s  u:  t   i   -   -   -
Friulian	-   s   t   r   -   ε   -   -   t   -   -	m i n u: - t		s u t i: 1
Romanian	-   s   t   r   -   <del>i</del>   m   -   t   -   -	m ə r u n t		s  u  b  ts   i   r  e   -
	Green	One	Two-Duos	Two-Duae
Latin	w i r i d e m	u: n u m	d u o: s	d u - aj
French	v   e   в   -   -   -   -	$\left  \widetilde{\mathbf{e}} \right  - \left  - \right  -$	$ \mathbf{d}  -  \mathbf{o} $	
Spanish	$ \mathbf{b} \mathbf{e} \mathbf{r}  -  \mathbf{d} \mathbf{e} $ -	u   n   o   -	$ \mathbf{d}  -  \mathbf{o}  \mathbf{s}$	
Italian	$ \mathbf{v}   \mathbf{e}   \mathbf{r}  -  \mathbf{d}   \mathbf{e}  -$	u   n   o   -		d   u   -   e
PortugueseBrazil	$ \mathbf{v}   \mathbf{e}   \mathbf{r}  -  \mathbf{d}   \mathbf{i}  -$	<b>ũ</b>   -   -   -	d   -  oj  s	
Portuguese	$ \mathbf{v}   \mathbf{e}   \mathbf{r}  -  \mathbf{d}   \mathbf{i}  -$	<b>ũ</b>   -   -   -	$ \mathbf{d}  -  \mathbf{oj}  \int$	
Catalan	v   ε   r   -   t   -   -	u   n   -   -	$ \mathbf{d}  -  \mathbf{o}  \mathbf{s}$	
Walloon	v   ε   в   -   -   -   -	o   -   -   -	d - ø: -	
Friulian	$ \mathbf{v}  \mathbf{\varepsilon}  \mathbf{r}  -  \mathbf{t}  -  -$	u   ŋ   -   -	d - oj -	
Romanian	$ \mathbf{v}  \mathbf{e}  \mathbf{f}  -  \mathbf{d}  \mathbf{e}  $	u   n   u   -	d - oj -	d   o   w   ə
	Two-Duas	Three	Four	Five
Latin	d u a s	t r - e: s	$\mathbf{k}^{\mathbf{w}} -  \mathbf{a}  \mathbf{t}  \mathbf{t}  \mathbf{w}  \mathbf{o}  \mathbf{r}  $	k <sup>w</sup> i: n k <sup>w</sup> - e
French		t Baa a -	k   -   a   -   t   -   -   в   -	s   e   -   k   -   -
Spanish		t r - e s	k w a - t - r o	$\theta \mid i \mid n \mid k \mid - \mid o$
Italian		t   r   -   e   -	k w a t t r o	tf   i   n   k   w   e
PortugueseBrazil	d u e s	t   r   -   e   s	k   w   a   -   t   -   -   r   u	s   î   -   k   -   u
Portuguese	$d  u  e  \int$	t   r   -   e   ſ	k   w   a   -   t   -   -   r   u	s   î   -   k   -   u
Catalan		t r - E s	k w a - t - r ə	s   i   ŋ   k   -   -
Walloon		t   r   -   ø:   -	k w a - t	s   e   -   k   -   -
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   -   -
	Here	There	There-Ibi	There-AdIbi
Latin	e k k u m h i: k	i 1 1 a: k	i b i:	
French	i   -   -   s   -   -   i   -	- - 1 a -		
Spanish	- a - k i -	a   -   j   a   -		a i
Italian	- - k w - - i -	- - 1 a -	$-  \mathbf{v}  \mathbf{i}$	
PortugueseBrazil	- a - k i -	- - 1 a -		a i
Portuguese	-   e   -   k   -   -   i   -	- - 1 a -		i g
Catalan	-   a   -   k   -   -   i   -	-   a   -   e		
Walloon		- - 1 a -		
Friulian	-   a   -   k   -   -   -   i   -	  - - 1 a -		
Romanian				

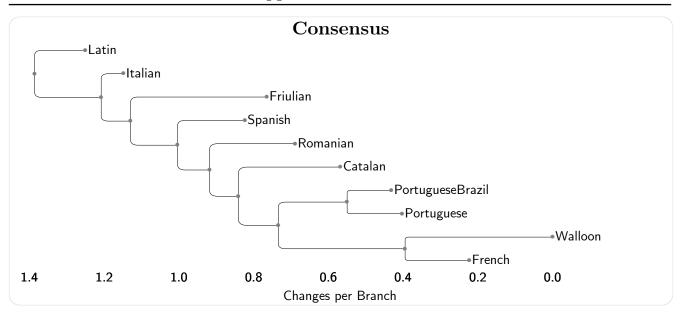
	Who-Qui	Who-Quem	What	When-Quando
Latin	$\mathbf{k}^{\mathbf{w}}$ - $ \mathbf{i} $ s	k <sup>w</sup> -   e   m -	$k^{w}$ - $i$ $d$	k <sup>w</sup> - a n d o:
French	k   -   i   -		k w a -	
Spanish		k   j   e   n   -	k - e -	k   w   a   n   d   o
Italian	k   -   i   -		k - e -	k   w   a   n   d   o
PortugueseBrazil		$ \mathbf{k}  -  \mathbf{\tilde{e}\tilde{j}}  -  \mathbf{r} $	k   -   i   -	$ \mathbf{k} \mathbf{w} \tilde{\mathbf{e}} - \mathbf{d} \mathbf{u}$
Portuguese		$ \mathbf{k}  -  \widetilde{\mathbf{e}}\widetilde{\mathbf{j}}  -  $	k - i -	$ \mathbf{k}  \mathbf{w}  \tilde{\mathbf{e}}  -  \mathbf{d}  \mathbf{u}$
Catalan	$ \mathbf{k} $ - $ \mathbf{i} $ -		$ \mathbf{k} $ - $ \epsilon $ -	k w a n
Walloon	k   -   i:   -		k w E: -	k w a n d -
Friulian	$ \mathbf{k} \mathbf{w} \mathbf{i} $ -		tf   -   e   -	k w a n t -
Romanian		ff - i n e	tf   -   e   -	
	How-Quomodo	Not	Not-Nec	And-Et
Latin	k <sup>w</sup> o: m o d o	n o: n	n e k	e t
French	k   o   m   -   -   -	$ \mathbf{n} \tilde{\mathfrak{o}} $ -	n   i   -	e -
Spanish	k o m o	n o -	n   i   -	i   -
Italian	k   o   m   e   -   -	n o n	n e -	e -
PortugueseBrazil	k o m u	$ n \tilde{v} \tilde{w}$	n ej -	i   -
Portuguese	k o m u	$ n \tilde{\mathfrak{e}} \tilde{w}$	n ej -	i   -
Catalan	k   o   m   -   -   -	n o -	n   i   -	i   -
Walloon	$ \mathbf{k} \mathfrak{o} \mathbf{m} \tilde{\mathfrak{e}} $ - $ \mathbf{k} $		$ n \tilde{e} $ -	ε   -
Friulian	f e m u: t -	n   o   -		e   -
Romanian	k   u   m   -   -   -	n u -		e -
	And-Si			
Latin	s i: k			
French				
Spanish				
Italian				
PortugueseBrazil				
Portuguese				
Catalan				
Walloon				
Friulian				
Romanian	$\int  i $ -			

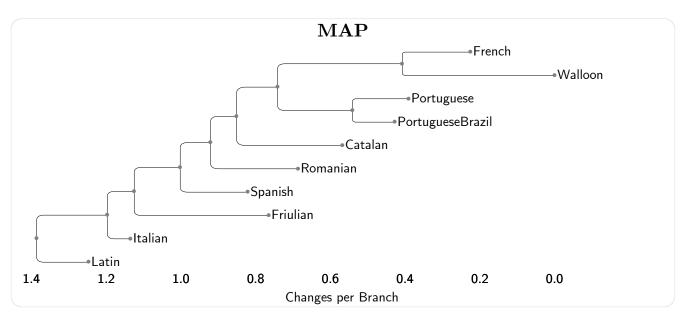
Appendix 4 - Results





#### Appendix 4 - Results





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