

Character	All Languages (%)	Experiment (%)
e	2.8	9.5
a	3.8	8.3
s	3.0	5.3
r	2.0	5.1
t	3.0	5.0
u	3.9	4.9
n	3.5	4.7
i	4.1	4.6
o	1.1	4.2
r	2.7	4.0
o	4.0	4.0
k	4.3	3.7
m	3.1	3.5
l	3.8	3.2
p	2.0	2.8
d	0.2	2.0
g	2.5	1.6
v	1.1	1.6
b	2.8	1.5
f	3.7	1.4
w	1.4	1.3
e	1.3	1.1
e	4.0	1.0
j	0.9	0.9
z	1.6	0.8
f	0.7	0.7
i	0.7	0.6
l	1.4	0.5
j	0.6	0.5
q	0.7	0.4
d	0.4	0.4
j	1.9	0.4
x	1.3	0.4
c	1.3	0.4
e	0.9	0.3
e	0.4	0.3
a	0.9	0.3
o	0.2	0.2
e	0.8	0.2
l	0.8	0.2
y	0.8	0.2
x	0.3	0.2
y	2.8	0.2
q	0.3	0.1
e	0.3	0.1
h	2.5	0.1
h	0.5	0.1
k	0.5	0.1
j	0.5	0.1
c	0.5	0.1
g	0.7	0.1
u	0.7	0.1
a	0.3	0.1
e	0.4	0.1
s	0.4	0.1
x	0.4	0.1
q	0.1	0.1
q	0.5	0.1
k	0.1	0.1
j	0.7	0.1
i	0.8	0.1
d	0.4	0.1
g	0.3	0.1
e	0.4	0.1
z	0.1	0.1
u	0.6	0.1

## Appendix 2 - Symbols

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

## Appendix 2 - Symbols

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

## Appendix 3 - Words containing each segment

<b>ẽj</b>	0250, 0303, 006A, 0303	54
mẽj mẽj nuvej keližẽj kẽj nẽj ẽj		
<b>ẽw̃</b>	0250, 0303, 0077, 0303	63
kẽw̃ kẽw̃ grẽw̃ grẽw̃ mẽw̃ mẽw̃ nẽw̃ nẽw̃		
<b>au</b>	0061, 0075, 032F	78
kaũda aũdi:re aũgmenta:re aũmentar aũmentare aũgmentar aũgmentar paũkus		
<b>ẽa</b>	0065, 032F, 0061	80
tẽastə stẽa tẽatfẽ nẽa gẽatsə bẽa vedẽa zətfẽa fẽdẽa kədə		
<b>oa</b>	006F, 032F, 0061	39
dõamnə fõaje skõartsə flõare cõadə sõare plõaje nõapte võame kunõafte tõartfẽ cõase aprõape		
<b>ẽj</b>	1EBD, 006A, 0303	41
omẽj omẽj nenẽj nenẽj nuvej kalizẽj kẽj nẽj ẽj		
<b>ẽu</b>	1EBD, 0075, 032F	89
lẽu		
<b>aj</b>	0061, 006A	56
paj paj ɔraj ajyɔwə sajβru sajβru tene:braj kajkia kajlum nwaje traj majjo:rem duaj		
<b>a:</b>	0061, 02D0	53
ma:trem ma:dre pa:dre nema:l pa:lus pa:l gra:num ra:di:kem ra:di:ke ra:di:ki:na gra:men ca:r kwa:r ca:f na:sus na:so na:s na:ris ma:no a:la intera:nea fi:ka:tum fija:t ri:pa:ria la:t ma:r sa:lem sa:l ka:li:ginem tene:bra:s fu:ma:ta fu:ma:ta stra:ta monta:nea diurna:ta manduka:re ma:nja: morsika:re cuca: spuda: suffla:re sofla: respi:ra:re respira: ko:gita:re pen:sa:re pen:sa: odo:ra:re fra:gra:re trima: neka:re tu:ta:ri makta:re matfa: pugna:re kaptia:re catfa: pulsa:re pulsa: seka:re sea: kurta:re ekskurta:re skurta: ta:lia:re ta:lɫa:re taja: se:para:re separa: jugula:re jugula:re ra:dere rada: rasa: kawa:re java: ekskawa:re zjava: nata:re nada: naviga:re naviga: wola:re zvola: camina: ma:rʈfi: ambita:re sedenta:re senta: sta:re sta: leva:re leva: alti:re altfa: torna:re torna: gyra:re dʒira: dʒira: da: dona:re dona: appekto:ra:re frika:re frikta:re lawa:re lava: eksu:ka:re suja: limpida:re tira:re tira: pulsa:re pulsa: jakta:re lankea:re lantfa: e:runka:re liga:re lea: apta:re komputa:re konta: e:numera:re numera:re numera: kanta:re canta: joka:re dʒuja: flu:ktua:re fluita:re koda:re gela:re glakia:re glatfa: inglakia:re aũgmenta:re infla:re enfla: konfla:re zglo:nfa: bruza: krema:re flamma:re flama: flagra:re ustula:re la:tus de:lika:tus ma:l sua:wem illa:k		
<b>ej</b>	0065, 006A	59
pejfi cavej okej seju pejtu sejfu areje fejraɔ zejtar zejtar kejməke istrejtu dʒirejtu trej		
<b>e:</b>	0065, 02D0	25
fe:mina be:stia se:men pe:l ste:lɫa pje:tra pje:re hare:na nu:be:s tene:braj tene:bra:s nef die:s morde:re ri:de:re wide:re save: pen:sa:re ole:re time:re se:para:re jake:re dʒatfe:re sedere torkʷe:re tene:re e:runka:re e:numera:re intume:skere kre:ske:re arde:re omne:s de:lika:tus du:ze: fret ple:nus di:re:ktus korre:ktus tre:s 'tre:		
<b>i:</b>	0069, 02D0	37
mui:r mui:r mari:tus mari:t ra:di:kem ra:di:ke radi:ʈfe radi:ki:na wi:wenda pi: pi:t fi:ka:tum ri:wus ri:pa:ria rivi:ɔ pi:ɔ ka:li:ginem si:ɔ ʈfi:l ni:f kammi:num mapi: sysi: respi:ra:re ri:de:re ri:dere ɔi:ɔ vi:ɔ aũdi:re uldi: ski:re senti:re sinti: dormi:re durmi: wi:were muri: okki:dere ʈfesi: teji: di:widere parti:re parti: neɟʒi: ma:rʈfi: weni:re vi:ni: ho:si: strengi: pu:si: lanci: loji: di:kere di:ɔ di: skori: subti:lem suti:l fri:gidus vi: di:re:ktus wi:ki:nus kʷi:ɫkʷe ekkumhi:k ibi: ki: si:k ki:		

## Appendix 3 - Words containing each segment

<b>ĵ</b>	006A, 0303	92
mũĵtu mŭĵtu		
<b>k<sup>j</sup></b>	006B, 02B2	81
ok <sup>j</sup> dženunk <sup>j</sup> vek <sup>j</sup>		
<b>k<sup>w</sup></b>	006B, 02B7	87
ak <sup>w</sup> a tork <sup>w</sup> e:re k <sup>w</sup> attwor k <sup>w</sup> i:nk <sup>w</sup> e k <sup>w</sup> is k <sup>w</sup> em k <sup>w</sup> id k <sup>w</sup> ando: k <sup>w</sup> o:modo k <sup>w</sup> od		
<b>oj</b>	006F, 006A	17
noj voj noĵti noĵti froj rojb dojs doĵf doj doj		
<b>O:</b>	006F, 02D0	2
ego: no:s no:i no: wo:s voi vo: homo: spo:s o:b flo:rem fjo:re flo:r o:wum o:rikla so:lem so:vĵo no:men no:me no:minem vo:mi kogno:skere ko:gita:re odo:ra:re ko:nsuere ekspo:nere ko:la:re to:tus po:k majjo:rem duo:s k <sup>w</sup> ando: k <sup>w</sup> o:modo no:n		
<b>u:</b>	0075, 02D0	21
tu: u:he: fru:ktus fu:nem u: u:f kornu: plu:ma u:j ku:ŕ ku:r lu:na plu:ŕ flu:men nu:be:s nu:bilus nu:l fu:ma:ta gelu: fu:mus fu:k dĵu: dĵu: su:gere tu:tari tu:rne eksu:ka:re pu:si lu:dere flu:ktua:re bœ:le ku:ŕ minu:tus minu:t du:ze: su:ti pu:f aku:tus retu:sus u:midus u:dus u:num ĵfemu:t		
<b>Ŕ:</b>	00F5, 02D0	76
sō:g		
<b>Ø:</b>	00F8, 02D0	72
flø:ŕ gøĵ fø:t stø:l fø: bø:ŕ savø:ŕ kø:z stxø: drø: dø: trø:		
<b>œ</b>	0153, 0303	93
okaœ œ		
<b>ej</b>	0250, 006A	60
peĵfi oreĵle seju peĵtu seĵfu e:reje feĵrar keĵmare iftreĵtu feju feju vejlu direĵtu virmejlu		
<b>ẽ</b>	0250, 0303	45
ifẽĵfi ifẽti grẽme sēgi sēgi pẽse pẽse ĩtrẽne mōtẽne mēzax mēzar ēdax ēdar lēsa lēsar kētar kētar tētu tētu grēdĵi grēdi ěfu ěfu kwēdu kwēdu		
<b>ã</b>	0251, 0303	43
ãfã efã seŕpã sãmãs vĵãd sã dã zãb vãtŕ pãs ãtŕaj vã sãdŕ ã ã lãg mãze pãse sãtĩŕ fãdŕ etãdŕ lãse fãte ĵãte ogmãte ãfle ěsãdĵe gŕã gŕã ãpl kã kãmã dã		
<b>ɔ:</b>	0254, 02D0	73
ĵɔ: kɔ:ç ɔ:m pɔ:rti hɔ:si bɔ:çno mɔ:		
<b>õ</b>	0254, 0303	42
õ mõ nõ kõspye nõbœe lõ nõ nõ		

## Appendix 3 - Words containing each segment

<b>ɛj</b>	025B, 006A	86
sɔləj fɛɛje vɛɛmɛj		
<b>ɛ:</b>	025B, 02D0	57
pɛ:r u:hɛ: pjɛ:de ɛ:w tɛ:ʁ tɛ:nebre tɛ:nebre tʃɛ:r pje:no kwɛ:		
<b>ẽ</b>	025B, 0303	62
fjẽ vêt fəmẽ pẽse sėti sēde fēt pwēdɤ ɛpɤēdɤ etɤēdɤ ẽsādje plẽ vwazẽ lwētẽ kômẽ		
<b>g<sup>w</sup></b>	0261, 02B7	74
sang <sup>w</sup> inɛm ling <sup>w</sup> a		
<b>ij</b>	0268, 006A	66
kijne		
<b>iw</b>	0268, 0077	70
griw		
<b>ẽ:</b>	1EBD, 02D0	88
sẽ:d		
<b>a</b>	0061	27
fɛ:mina fam embra femmina fembra domina dam doja dɔnna infantem infante fante sponsa esposa spɔza ispoza mari:tus mari:marido marito maridu marit mari:t madre marə mari patre padre parə pari tata tata tata tata tata tatə animalia omaj alimaɲa nɔmajɛ be:stia biɲfa pwasɔ awɛm abe avi avi aw awikellum wazo passerem paxaro passero paseru paseru pasərə kanɛm kan kane ka can sarpint farpe arborem aɤbɤ aɤbɔl albero aɤvori arvuri abrə arbul arbore silwa selba selva sɛwva selba pal palo palo paw paw pal par grano grano gra gran folia oxa fɔlɔla frondea frondza raiθ ɤais ɤadi radi:tʃɛ ra:di:ki:na ɤasin kortikea korteθa kortetʃa skortea skɔrtsa skwas skwartse herba jerba erba jarbe jarbə ɤɤamen grama gram rista resta kwan kotenna pja karnem karne karne kɤni karni karn karne wi:wenda bibjenda vivanda vivɛda sang <sup>w</sup> inɛm sangre sangwe saɲ saɲk adepem adipe grasa grafe grafe kaɤda kola koda kawdɛ kawdɛ kua plu:ma pluma pjuma penna peɲa penna panə pwal kapillus kabejo kapello kabelu tʃivja cavej kapitia kaɤeθa kavettsa kabese kap kap testa testa o:rikla orexa orekkja naso nas nas nariθ nariʃɛ naris bukka boka bokka gula gola gola ungula upa ungja gamba gamba gamba kambə jambe gambə perna pjerna gambə manum mano maɲ a:la ala ala a a alə ale pantikem panθa panʃa panʃə pantse intera:nea ɔtɤaj entrɤaɲa ɛntrɤaɲə spatula espalda spalla iɲpadwɛ iɲpadwɛ ɛspa:lɔɔ spal spale spate san anima alma alma awmɛ almɛ anime iyaɔθo fegato fikat lu:na luna luna ste:lɔ etwal estreja stella ak <sup>w</sup> a aywa akkwa agwɛ agwɛ age apə pluwia jubja pjoddʒa ri:pa:ria lakum lak lago lago lagu layu ɔak lak lak mare mar mare maɤ mar mar mare sal sale saw sal sal sare saksum sasso petra pjeθra pje:tra pjatrə lapidem laude lapide hare:na arena arejɛ arinə sabulum sabl savalɔn sabula sabbja pɔlvar terra tjera terra tsarə nuvola nublada nublada kalina kaliɔɔine kaliɔɔj nebula njebla nebbja tinjeblas fu:ma:ta fumata fuma:ta fumase fumase fumate kajkia glas gjattʃa glas glaʃɛ θeniθa wia vwa bia via stra:ta estrada strada istrade iʃtraðɛ kammi:num kamino kammino kamijɲu monta:nea mɔtɤaɲ montɤaɲa montɤaɲɲa muntɤaɲə mɔtɤaɲ mɔntɤaɲɛ dia ɔɔna ɔɔna diurna:ta xornada ɔɔornata ɔɔornade annum aɲo anno aɲ aɲ an ling <sup>w</sup> a lengwa lingwa manduka:re mandukar mandɔare mɛɔaɤ mɛɔaɤ mɔɲaɔa mapi: maɲja: minka mwardi moskar morsikare musəga musəgar musəya murseka sugaɤ sugar skujpa esputar sputare soffjare sufla respirar respirare ɤespirar ɤispirar rɛspira vwaɤ auzi sapere savwaɤ saber sapere sabɤ savɔ:ɤ save: kwidar koɔɔitare kuzitaɤ kuzitar kujda kuɔɔeta pensar pensar pɛsaɤ pɛsar pɔnsa pɔsa ulura odorare fragrare fejrɤ fejrɤ flɔjra tremare dwaɤmi via nɔga neka anegar annegare makta:re mate matar mataɤ mɔtar mɔta maʃa: puɲar puɲjare puɲa battuere batɤ batir battere bateɤ batrə bate bati bate kaptia:re fase kaθar kattʃare kasɤ kɛsar kɔsa catʃa: puxar pulsare puɤaɤ puɤar pulsa segar segare segaɤ siɤar sɔya kortar koɤtaɤ kurtar skortare skurta taxar taɔɔa:re taɔaɤ tɛlar tɔla taja: taja parti:re paktiɤ partir partire paktʃiɤ parti: se:para:re separar separare separaɤ sipɛrar sɔpɔra separa: separa raɛr radere ɤaɤ ɤawrə rada: rade rasar rasare ɤazaɤ ɤɛzar rɔza rasa: raskar ɤaʃkaɤ ɤɛʃkar rɔska kosaɔ kusar kawa:re kabar kavare kɛvaɤ kɛvar kɔba java: ekskawa:re eskabar skavare iʃkɛvaɤ iʃkɛvar ɔjava: nata:re nadar nwotare nadaɤ nɔðar nɔda nada: naviga:re naze nabegar navigare naviɤaɤ neviɤar nɔbɔga naviga: naviga bolar volare voaɤ vwar bula zvolare zbura kaminar kamminare kɛmijnaɤ kɛmijar kɔmina camina:		

## Appendix 3 - Words containing each segment

maŕŕe ambita:re andar andare ēdaŕ ēdar jake:re jaðer đatŕe:re zawrə swaŕ sentar sētar  
 sētar estar stare iŕtar iŕtar ōsta sta jebar levare lewaŕ livar ləba lua altia:re alðar altsare aŕsa aŕsar əlsa altŕa: tornar  
 tornare toŕnaŕ turnar turna turna xirar đžirare žirar žirar zira birar virar virar žirar bira kadere ſwaŕ kaer kadere kawrə  
 ſŕjade tumbaŕ tōbaŕ tōbar tumba dare dar dare daŕ dar dar da donar donare doa duar duna segurar ſiguraŕ ſiŕurar ſerar  
 seŕa səŕar səra serare ðerar serrare siŕar siŕar appekto:re apretar epirtar epirtar fregar fregarə frəga frea freka iſſrigrar  
 iſſrigrar frotar frettare frisar frəsa lawa:re lave laŕar lavare ləvar ləvar ləba lave lava: la estarsir enxugar affugare ēfugar  
 ēfugar əfuga uska limpjar lipar lipar tirar tirare ſŕira tirar tira puxar pulsare puŕar puŕar pulsa trahere trarə traze trađŕe  
 jakta:re eſŕar đzettare zejtar zejtar xita lankea:re lanðar lanſŕare lēsa lēsar lənsa lanci: lanſŕa: arankar arronſŕare aruŕka  
 legar legare liŕa lega apta:re atar etar etar kontar kontare kōtar kōtar kumta enumerar enumerare enumerar enumerar  
 enumerar noverare numera numera kanta:re kantar kantare kētar kētar kōnta canta: kinta xugar đžokare zogar zugar zuga  
 zuka flugtwar fluttuare flutuwaŕ flutuwar fluktua fluctua fluitare kolar kolare koar kuar kuŕa elar đželare žilar žilar žəla đžale  
 glakia:re glase gjattŕare gləsa glaſŕa: inglakia:re ingetsa aŕumentar aŕumentare aŕgmentar aŕgmentar augmenta inſŕar enfiare  
 iſŕar iſŕar imſla umſla gonſŕare kəwatə brutŕare kəame kemar kremare kəmare kəmaŕe krəma flamma:re flame ſjammare  
 flama flama: arde:re aŕdŕ arder ardere aŕdŕ arde flagra:re flagŕe flagrar flagrare flagŕaŕ flagrar inſŕendjare iſendŕar iſēdŕar  
 ustolare ustura tantus tanto tanto tant tanc alguno alkuno awgū atgū alter altro altrə altri alt alius aw aſ magnus maŕno  
 maŕno grandem grande grande gran grant mare largus laŕz larŕo largo laŕgu largu lark lark larg lato lato latu latu lat  
 amplus anſŕo ampjo amplə krassus graso grasso graŕu gras gras gras grawis grabe gravi gravi grav angustus angosto  
 angusto etŕwa delyađo delikato dewgadu delyađu dəlikat kalidus kaldo kaldo kawdu kaldu kaſ calt kald kəwa malus mal  
 malo malo maw maw mal đkwa tarənt aku:tus aŕuđo soave suaw adpropre aprəape vwazē kirka ðerka lontano lūnta  
 lontan galbinus galben amarellus amarijo emarelu albus albo albo awvu alvu alb alb duas k"attwor katə kwatro kwattro  
 kwatru kwatru kwatrə kwat kwatri patru aki aki aki aki la aja la la la əla la la ai ai kwa k"ando: kwando kwando  
 kwan kwand kwant ad a a a a a a abhoc avek avu

**b** 0062 19  
 bos bus embra fembra ombre be:stia biffa biffə biffə bis abe berme arborem aŕbŕ albero abrə o:b arbul arbore selba selba  
 herba ɛŕb jerba ɛrba erbə jarbe jarbə bibjenda webə kabejo kabelu kəbɛl kəbesə bukka buſ boka bokka bokə bokə bokə  
 bək bəce bukə gamba žūb gamba gamba kambə jambe gambə gambə bjentre bentrə jubja sabulum sabl sabula sabbja  
 pulbere polbo nu:bɛ:s nube nube nu:bilus nublo nubladu nubladu nebula njebla nebbja tene:braj tɛ:nebre tene:bras tenebŕ  
 tinjeblas tɛ:nebre tənebrəs bjento ben njebe bia biə nombre limbə bibere bwəŕ beber bere bebes biſŕer bəwŕə bə:ŕ bevi  
 bea ber bəwŕə saber sabəŕ səber bibir biwŕə battuere batŕ batir battere bateŕ bəter batŕə bate bati bate dibidir dibidi  
 kabar kəba eskabar nabegar nəbəga bolar bula zbura ambita:re benir bəni jebar ləba birar bira tōbe tumbaŕ tōbaŕ tōbar  
 tumba ləba nəbŕe bŕyle brutŕare bŕu:le bruza: grabe brewis bŕɛf brebe breve bŕevi bŕevi bŕew bŕef subti:lem subtsire  
 bjexo bonus bō bweno bwə:no bō bō bən bō bən bun hebetem ɛbete beθino bəi bermexo bərmɛl rubeus rubjo rəbbjo  
 rubeo rubeo rojb berde galbinus galben albus albo albo alb alb ibi: abhoc

**c** 0063 65  
 can ca:ŕ cəqadə cavej ca:f bəce noctem cuca: caſŕa: camina: lanci: cəase canta: fluctua molc tanc calt spurcus abhoc

**d** 0064 23  
 usted domina dam doŕa dōnna done done dōnə dōem dōne dōamŕə maridu ma:dre pa:dre peduklus pidəkkjo pedoli  
 pədukje frondea ra:di:kem ra:di:ke ɛadi radi:ſŕe ra:di:ki:na rəðəſŕinə kodie wi:wenda vjəd bibjenda vivanda vivəda vivəde  
 adepem adipe kaŕda koda kawdŕ kawdŕ kəde cəqadə dentem dā djente dente dēſŕi dēti dē dint dinte pedem pje:de  
 dorsum do dōsso dos dō dwes do espalda iſpadwə iſpadwə figədu pjodđŕa pedŕe lapidem laude lapide pudŕ nubladu  
 nubladu sōdŕ sendŕə sē:d estrada strada istradŕ die:s dia di diŕ diŕ diə di di diurnum djurno diurna:ta xornada dʒornade  
 komedere manduka:re mandukar morder:re moŕdŕ morderə moŕdŕ mwardi spuda: ri:de:re ri:dere ridi ride wide:re vedere  
 vjodi vedŕa aŕdi:re udire uldi: kŕide kwidar kujda odo:ra:re odorare kŕēdŕ dormi:re dəŕmiŕ dormir dormire dəŕmiŕ durmir  
 durmi dwəŕmi durmi: dormi okki:dere utſŕidere utſŕide di:widere dibidir dividere diviðir dibidi dividi divide skindere sēde  
 ſindere findere fūdŕ ender fəndere fēdŕ fēder fəndŕə pwēdŕ ra:dere radere rada: rade fodere nadar nadaŕ nəda nada:  
 andar andare ēdaŕ ēdar ekstendere etādŕ ekstender estendere iſtēdŕ iſtēder əstendŕə ekstinde sede:re sedere ſedŕa  
 sedentare təŕdŕ kadere kadere ſŕjade kəđə dare dar dare daŕ dar da: da dona:re dōne donar donare doa duar duna  
 dine dona: epŕēdŕ etŕēdŕ limpida:re kudŕ di:kere diŕ deθir dire dizer dizer di di:ŕ di: lu:dere ludir arde:re aŕdŕ arder  
 ardere aŕdŕ ɛrder arde inkendere ēsādjə enθender inſŕendjare iſēdŕar ənsendŕə inſŕindŕe todo todə dut grandem grande  
 grande grēdi gurdus gordo lurdus lerdo lordo lerdo lerdo menudo miudu de:lika:tus du:ze: delyađo delikato dewgadu  
 delyađu dəlikat kalidus kaldo kaldo kawdu kaldu kald fri:gidus freddo putridus putrido putred podri sordidus sordido  
 sordido sordidu sordidu dire:ktus đkwa dritto direjtu drɛt drə: drɛt drept rotundus redondo ritondo rəðədu rəðədu rədo

## Appendix 3 - Words containing each segment

rætund nitidus neted u:midus umido umid umed u:dus ud adpropre dekstrum djestro destro destru dēstru destrā djestri wiridem berde verde verdi verdi verde duo:s dō dos dojs dojf dos dō: doj doj duaj due dowā duas duēs duēf kʷid kʷando: kwando kwādu kwēdu kwand kind kʷo:modo ad deintus dā dins kʷod

e

0065

0

ego: ew ew jew usted vose vōse voste embra femmina femēv femjv fembra femeje mulierem muxer μολλε muλεκ muλεr muλε mujere dōne hominem ombre infante infante fante nenēj nenēj nen epuz esposa mulier mulier μολλε muλεκ muλεr muλε mujere epu esposo matrem mēx mādre mā:dre mēx patrē pa:dre nema:l nāmaje piskem peθ peffe pef pešte awem abe awikellum useλ passerem passero pasāre kanem kane kijne peduklus pedoli pēdukje serpentem sekrā serpente serpente sekrēfi sārpen farpe wermem vēx berme verme vēxmi vermi vjerme arborem albero arbore selba selva selba selve se:men seme sementis simjente semente semēfi sāmen sementē fwee fōaje frondea ra:di:kem ra:di:ke radi:fe kortikem korti:fe kortikea korteθa kortetfa skortea ekōxs skwartse flo:rem fjo:re floare herba jerba ēxv ērbā jarbe gra:men fu:nem fune funje restem kēsti kotenna pellem pjel pelle peli peλ pjele karnem karne karne karne wi:wenda bibjenda sangʷinem sangre sangwe sin:ge weso adepem adipe gref webo kwerno penna pepa penna penē penē pen pene pelo pelo pelu kabejo kapello kabelu kēβelu kaβeθa kavetssa kabesē kēβesē testa testā teste orexa orekkja oreλv orele ureke ne ne nari:fe gōle dentem djente dente dinte ungje pedem pje pje pje:de piez jambe perna pjerna petiolus peθiolo genikulum zueλu dženoli dženunkʷ el el ale wentrem bjentre bentrā vintre pantikem pantse pintēfe intera:nea entrāna kwejo dwes epol espalda spate seno seno sen pektus pefo pjept kwōre anime fegato fedzā so:lem sole sōare soreli lune etwal estreja stella istrelv ištrelv stēle age ploje plōaje flu:men fjume xivjex mare mare mēx mare sa:lem sale se sare petra pjex pjēdra pedrē pedrā pjē:re lapidem laude lapide arena ārenā pulwerem polvere pulbere terra tēx tjera tēx tjere nube nube ka:li:ginem kalidzine nebula njebla nebbja newlā negurā tene:braj tē:nebre tene:bra:s tenebēx tinjeblas tē:nebre tēnebrās fyne fumate θjelo tfer wentum bjento ben niwem njebe neve new gelu: jelo dzer glatfe fwego kinerem tferene θeniθa tferunfā estrada montem monte monta:nea montaje noctem nofje notte nōapte zu:ne dōrnade no:men no:me nume no:minem nombre lengwa bibere beber bere bebēx biβer bevi komedere komer kome kumer mandukare māze mandzare morde:re mōrder mōrdere mōrdek mōrder morsika:re morsikare murseka su:gere syse su:ge konspuere kōspyte eskupir sputere esputar sputare womere vōmere vōame suffla:re sufle soffjare sufle respi:ra:re respirar respirare vspirar respira: ri:de:re reir ri:dere ride wide:re ber vedere vēx ver vedēa aud:re udire ski:re sapere saber sapere sabēx sēber kogno:skere konōθer konōffere kōpesex kupiser kunqaste kō:gita:re kuide kodzitare kudzeta pens:are pāse pensar pensare pēse penjsa: senti:re sentir sentire olē:re oler olire odor:are odorare fra:gra:re flēx fragrare time:re temer temere temēx timer temā temi teme tremere tremere tremare tremēx trimer dormi:re dormire wi:were vivere vivev viver morire mōvēx muxer neka:re nwaje neka anegar annegare tje tuwe makta:re mate okki:dere utfjdere ufjide pugna:re pu:njare battuere battēre batev bēter bate kaptia:re fase kattfare pulsa:re puse pulsa:re seka:re sje segar segare segāx sea: kūrta:re ekskurta:re ekūte skortare talia:re taje taλλa:re di:widere dividere divide skindere sēde findere findere ender fēdere fēder parti:re partire se:para:re sōvē separar separare separāx separa: separa pungere pundzere pundze jugula:re zygyte jugula:re ra:dere raer radere vāx vāer rade vāze rasare fodere kawa:re fōve kavare ekskawa:re eskabar skavare nata:re nwtare naviga:re nāze nabegar navigare wola:re vole volare vōle zvola

re fōmine kamminare tfinime māxse mergere mērdzere mērdze ambita:re andare weni:re benir venire veni ekstendere etādēx ekstender estendere istēdēx ištēder āstendrā ekstinde jake:re zezix jaθer dātfe:re zēzēx zēzer dze jesi sede:re ser sedere sēx ser fedzā sedenta:re sentar senta: sta:re estar stare leva:re lāve jēbar levare levāx lāve leva: alia:re ose altsare torna:re tūvne tornare tu:rne gyra:re zivē dzirare vixē virare vixē torkʷe:re torθer tōrtfere turser turser tōartfe kadere kaer kadere tjjade tōbe tume dare dare dona:re dōne donare dine tene:re tener tenere tēx ter tsine segurar eksprimere epēdēx ekspremir sprēmere isprēmēx isprāmer āspremā esprimi skreme serrere serar sēxā serare sēxē θerar serrare sere appektora:re apretar stringere etvēdēx estrepir strindzere stringe strindze frika:re fūxje fregar fregare frea freka frikta:re fūote frettare fūote laware lave lavare lave tergere tērdzere ekstergere estarsir fterdze eksu:ka:re esqije enxugar affugare suwe limpida:re tira:re tivē tirare tire pulsa:re puse pulsare trahere trarre traze trēzer tradze impingere impindzere impindze jakta:re zōte eλfar dzettare dze lanke:re lāse lanfjare e:runka:re arronfjare liga:re lie legar legare lea: lega apta:re ko:nsuere koser kutjire kuzer kuzer cōase komputa:re kōte kontare kōte e:numera:re enumēv enumerar enumerare enumerar enumerar enumera numera:re nōbēx noverare numera numera: dikere deθir dire dizer dizer zifje ekspo:nere sporre spune kanta:re fūte kantare tjjāte lu:dere jōka:re zve dōkare dzuwe flu:ktuare flykttje fluttuare fluita:re fluitare fluere flye fluire ko:la:re kule kolare kōle ekskurrere eskurir skorrere isko:vēx ijkurer skurdze kurrere korer korrere kōvēx ku:er kurdze gela:re zōle elar dzelare dāle glakia:re glase gjatfjare inglakia:re ingetsa aūgmenta:re ogmāte aūmentar aūmentare aūgmentar aūgmentar augmenta infla:re āfle enfiare ēfle enfla: konfla:re gōfle gonfjare gōfle intume:skere entumeθer itumeser itumeser kre:skere kreθer kreffere krese: křifser křefā křefte bōyle brufare bōu:le krema:re kōame kemar kremare kējmare kējmāve flamma:re flame fjammarē arde:re arder ardere a:dek v:der arde flagra:re flagv flagrare inkendere ēsādze enθender intfēndjare isēndzjar ānsendrā intfēndze ustula:re ustolare alter grandem grande grande majjo:rem mare le epe espo spesso ispesu grabe grēve grew grew lardo lardo pekeno pekenu pikenu brewis brebe brew b:ref etvwa estrefjo stretto menuado delya:do delikato dewgadu subti:lem sottile subtsire freddo rekentem reθjente retfente vēsēfi vēsēfi



## Appendix 3 - Words containing each segment

retsint retʃe ʎeno nweβo wetulus bjexo veʎu veʎ vjei vekʲ bweno putred putrem poðre drept redondo ʁedôdu hebetem ebete retu:sus retuzo sua:wem soave netto neted umed seko sekko seku seku sek korretto proizme adpropre aprôape pressus pʁe beθino vefʃin θerka dekstrum djestro destrə djestri sinjestro sinistro sijestri vermikulus bermexo vermíʎo vɛʁmeʎu rubeus rubeo rubeo ruðʒe wiridem vɛʁ berde verde verdi verdi verde galben amarellus krokeus kroʃeo due tres tre tres tref kʷi:nkʷe ʃɪŋkwe ekkumhi:k kʷem kjen ʃɪne ke ke ʃe ʃe kome ʃɛmu:t nek ne en deintus avek et e e e e ke ke ke

**f** 0066 24  
fe:mina fam femmina femev femje fembra foem femine femeje infantem ǣfǣ infante fante ifēʃi ifēti efǣ fru:ktus fʁʊʃi fruto frutto frute frute frujt fʁy frut frukt folia fœj fɔʎʎa foʎe foʎe fuʎə fɔj fwee fɔaje frondea frondza frôse frôse frunzə flo:rem flœʁ flor fjo:re floʁ flor flɔ flœʁ flo:r flɔare fu:nem fune funje œf u:f ca:f fi:ka:tum fwa fegato figeðu fiyeðu fedʒə fə:t fija:t fikar flu:men fjume flumi flumi flum fu:ma:ta fyme fumata fuma:ta fumasə fumasə fumate ni:f ne:f fu:mus fumo fumu fumu fum fum fum fokum fə fwego fwɔko fogu foʒu fɔk fə: fu:k fok suffla:re sufle soffjare sufle sofʎa: sufla fra:gra:re flæʒe fragrare flɔjra findere fǣdʁ fəndere fēdex fēder fəndrə fēt fodere fwɪʁ frika:re fʁeje fregar fregar frəga froj frea freka iffriʒar iffriʒar frikta:re fʁote frotar frettare fʁote frisar frəsa flu:ktua:re flyktʒe flugtwar fluttuare flutuak flutuar fluktua fluctua fluita:re fluitare fluere flye fluir fluire flwɪʁ flwir flui infla:re ǣfle enfiare imfla ɛfle enfla: umfla konfla:re gōfle gonfjare gōfle zgloŋʃa: flamma:re flame fjammarə flama flama: flagra:re flagʒe flagrar flagrare flagʒak flagrar ʒɔijef bʁef bʁef fri:gidus fʁwa frio freddo friu friu fret fʁwe fret pu:f

**h** 0068 40  
hominem homo: pəhō u:hə: herba hare:na kinɔh hɔ:si: trahere hebetem ekkumhi:k abhoc

**i** 0069 7  
io noi vo:i fe:mina femmina femine mulierem domina hominem infantem infante ifēʃi nijo nino ispoza mulier mari mariðo marito maridu meriðu marit mærit ispozu sokius mari pari animalia alimapa be:stia biffa biʃe biʃe bis piskem pejʃi avi awikellum pidəkkjo pioʎu pioʎu pedoli sekrēʃi sarpint vɛʁmi aʁvori silwa fʁʊʃi sementis simjente semēʃi siməs grin folia raiθ ʁais ʁeʃ ʁadi ʁasin rəðəʃinə kortikem kortiʃe kɔʁʃisi kɔrtisi kortikea kɔʁʃise kurtise rista ʁeʃʃi koðʒie kodie peli kəʁni bibjenda vivanda vivēda vivēde sangʷinem sēgi adipe pilus kapillus ʃɪvja kapitia o:rikla voli nariθ nariʃe naris neriʃ dēʃi dint dinte piez petiolus peθiolo pittʃolo pitʃjor genikulum inoxo dʒinəkkjo dʒinə dʒenoli vintri vintre pantikem intera:nea iʃpadwə iʃpadwə sinus si pi pit anima anime inimə iyaðo figeðu fiyeðu fija:t fikar solikulus soreli istrelə pluwia plʊʃi flumi rio rio ʁiw ʁiu riw ripa:ria ʁivjɛʁ rivi:ʁ lapidem lapide arinə nu:bilus ka:li:ginem kalina kalidʒine kalizēʃ kəliʒēʃ tinjebʎas kajkia 'vint niwem nevi kinerem θeniθa ʃɪnize wia bia via vie vie biə istradə iftraðe kamino kammino kemjnu kəmi mōʃi nʊʃi nit die:s dia di die die diə di zi diurnum diurna:ta nomi no:minem lingʷa lingwa limbə bibere bevi mwardi morsikare morsikare kuspɪʁ kufʃir eskupir əskupi vomɪʁ vo:mi respirar respirare ʁespirar ʁisʃpirar ʁəspira respira: ʁɪʁ ʁeɪʁ ʁɪʁ ʁɪʁ riwɔ ridi wide:re vjodi wɪʁ oɪr udire owvɪʁ owvir ui auzi ʃti kinɔh kɔʁosi ko:ɡita:re kʊʃide kwidar koðʒitare kuzitar kuzitar sātɪʁ sentɪʁ sentire sēʃɪʁ sētɪʁ sənti sēti sinti: simtsi olire time:re temi trima: dɔʁmiʁ dormir dormire dɔʁmiʁ dʊrmir durmi dwəʁmi dormi vivɔ bibir vivere viveʁ viver biwɔ vivi via muʁɪʁ morir morire muri mɔri muri tu:ta:ri ɔksɪʁ utʃidere uksi utʃide batir bati kaptia:re ta:lia:re di:widere dibidir dividere dʒividʒɪʁ dividiðir dibidi dividi divide skindere findere findere pəstɪʁ partɪʁ partire pəʃʃɪʁ pərtɪʁ pərti pɔ:rti pʊʒɪʁ pʊʒɪʁ pupi fwɪʁ iʃkəvəʁ iʃkəvəʁ naviga:re navigare naviga: naviga fəmine kaminar kamminare kemjɔʁ kemjɔʁ kəmina ʃɪmine camina: ambita:re vənɪʁ benɪʁ venire vɪʁ vɪʁ bəni vini vɪpi: veni istēdex iftēder ekstinde zezɪʁ jesi altia:re zɪʁe xɪʁar dʒɪʁare zɪʁar zɪʁar zɪʁa dʒɪʁa: vɪʁe birar virare virar zɪʁar bɪʁa vɪʁe dʒɪʁa: kɛɪʁ kɛɪʁ dine tənɪʁ təni tini tinji tsine esprimere ekspremir iʃpʁəmeʁ iʃpʁəmer esprimi stringere estrepɪʁ strindʒere əʃtrɪʒɪʁ əʃtrɪʒɪʁ stringe frika:re frikta:re frisar estarsɪʁ əstəʒzi esʊʃje limpida:re limpjar tira:re tɪʁe tirar tirare ʃɪʁa tirar tira tire tira: impingere impindʒere impindʒe xita liga:re lie ʎiʁa kuʃɪʁe kuzi kuzi diʁ deθɪʁ dire dizer dizer di zɪʃe ludir fluita:re fluitare fluir fluire flwɪʁ flwir flui eskurɪʁ iʃkɔʁəʁ iʃkʊʁer kuʁɪʁ kɔri kori glakia:re inglakia:re infla:re inʃar enfiare imfla intume:skere inkendere intʃendjare intʃindʒe oɲpi altri alius grēdʒi spissus ispesu iʃpesu grawis ʒɔijef gravi gravi pittitus pəti pətit piti 'pittinus pitʃino putsin pitulus pikkolo pitʃul brewis brevi striktus istrejtu minu:tus minuto miudu miuðu minu minu:t de:lika:tus delikato dəlikat sutil sottile suʃɪw suʃɪw suptil su:ti subtsire kalidus fri:gidus frio friu friu ʁesēʃi ʁesēʃi retsint plin vjei putridus poðriðo putrido puðrit podri sordidus sordido sordido sordidu ispurku iʃpurku dritto dʒirejtu direjtu ritondo nitidus niðio umidus umido umid sikkus proksimus proximo pʁɔssimu prosimu proizme prosim beθino viʃʃino vizjnu vizjnu bæi vizē viʃʃin vefʃin kirka djestri sinistrum sinjestro sinistro sijestri vermikulus vermíʎo wiridem galbinus amarijo kwatri θinko ʃɪŋkwe siŋk ʃɪŋk ʃɪŋʃ isi aki kwi aki ɛki aki aki illa:k ibi: vi ai ai ei kʷis ki ki ki kwi ʃɪne kʷid ki ni ni ni in in deintus dins i i i i si si si si si si si fi ki

## Appendix 3 - Words containing each segment

**j** 006A 12  
jo jew nojs vɔjs femjɛ femeje mujere mujere omaj nɔmaje utʃjel ʃjɛ pjoxo pidɔkkjo pju pɔdukje serpjente sjɛrɔpɛ vjɛr vjɛr vjerme frujt simjente fɔɛj fɔj fɔaje fjo:re jɛp jarbe jarbɔ funje pjel pja pjel pjele vjɔd bibjenda pjuma ʃʃivja orekkja œj ɔkkjo u:j gɔɔj djente ungja ungje pje pje pjɛ:de pjerna pitʃjor ɟinɔkkjo bjentre ɔtɔaj pjept fija:t jubja pjodɟa ploje plɔaje fjume ɔivjɛr pjɛr pjɛdra pje:tra pje:re pjatrɔ so:vjɔ sabbja tjera tjere njɔly njebla nebbja tinjeblas sjɛl ʃjelo bjento njebe gjatʃja djurno skuja soffjare vjodi kujda flɔjra sje taje teji: taja: taja jugula:re jugula:re jake:re jesi ʃjɔade tinji esɔije suja: limpjar jakta:re lɔji: jɔka:re ɟuja: gjatʃjare gonfjare ʃjammare ɛsɔdʒe inʃɛndjare isɛdjar majjo:rem ampjo gɔijɛf reʃjente pjɛ:no vjɔ bjexo vɛkkjo vjei djestro djestri sinjestro rubjo rɔbbjo kjen

**k** 006B 51  
sokius piskem awikellum kanem kan kane kɛw̃ kɛw̃ ka kijne peduklus pidɔkkjo pɔdukje fru:ktus frukt ra:di:kem ra:di:ke ra:di:ki:na kortikem kortiʃe kɔrʃisi kɔrtisi kortikea korteθa kortetʃa kɔrʃisɛ kurtisɛ skortea ekɔs skɔrtsa ɔskɔrsɔ skwas skwartse skɔartsɔ kwan kotenna kodʒiɛ kodʒiɛ konnɔ karnem karne karni karni karn karne saŋk kɔɔɟ kornu: kɔrɔn kwerno kɔrno kɔrnu kornu kɔrɔn kwɛn kwa:r korn kaɟda kɔ kola koda kawdɛ kawdɛ kua kɔw kɔdɛ kapillus kabejo kapello kabelu kɛʃɛlu kɛbɛl kapitia kɛʃeθa kavetʃsa kabesɛ kɛʃesɛ kap kap o:rikla orekkja ureke okulus ɔkkjo bukka boka bokka bokɛ bokɛ bokɔ bok bukɔ kambɔ pɛkol genikulum ɟinɔkkjo pantikem kollum ku kwejo kollo kɔlu kɔlu kɔl kwɛl pektus kor kɔɛ kwɔre kɔɛ kor kor ku:ɔ ku:r fika:tum fikat solikulus akkwa lakum lak ʌak lak lak saksum ka:li:ginem kalina kalidʒine kalizɛʃ kɛlizɛʃ kajkia kajlum fokum fwɔko fɔk fu:k fok kinerem kammi:num kamino kammino kamjɔn kɛmijɔn kɔmi komedere komɛr kome kumer manduka:re mandukar minka morsika:re moskar morsikare murseka konspuere kɔspye kuspiɔ kuspiɔr eskupiɔr ɔskupi skuja ski:re kogno:skere kɔnɛtɔ konoθɛr konoffere kɔnesɛr kupiser kunɛʃ kinɔh kɔposi kunɔaʃte kɔ:gita:re kɔide kwidar kodʒitare kuzitaɔ kuzitar kujda kudʒeta kɔɛdɔ neka:re neka maktare okki:dere ɔksɔɔ uksi kaptia:re kaθar kattjare kasɔ kɛsar kɔsa seka:re kurta:re kortar kɔtɔar kurtar ekskurta:re ekurte skortare skurta: skurta skindere raskar ɔaʃkaɔ ɔɛʃkar rɔska kosaɟ kusar kawa:re kabar kavare kɛvaɔ kɛvar kɔba ekskawa:re eskabar skavare iʃkɛvaɔ iʃkɛvar kaminar kamminare kɛmijɔɔ kɛmijar kɔmina ekstendere ekstender ekstinde jake:re kadere kaɛr kadere kɛir kɛir kawrɔ kɔdɛa eksprimere ekspremir skreme appekto:re frika:re freka frikta:re ekstergere eksu:ka:re uska jakta:re lanke:re e:runka:re arankar aruŋka kɔ:nsuere kudɔ koser kufjire kuzer kuzer kuzi kɔz kuzi komputa:re kɔte kontar kontare kɔtar kɔtar kumta kɔte konta: di:kere ekspɔ:nere kanta:re kantar kantare kɛtar kɛtar kɔnta kinta jɔka:re ɟɔkare zuka flu:ktua:re flyktɟe fluktua kɔ:lare kule kolar kolare koaɔ kuar kuɔa kɔle ekskurrere eskurir skorrere iʃkɔvɛr iʃkureɔr ɔskorɔ skori: skurdʒe kurrere kuviɔ korer korre kɔvɛr kuɛr korɔ kɔri kori kurɟe glakia:re inglakia:re konfla:re intume:skere kre:skere kɔwatɔ kreθɛr kreʃfere kresɛr kriʃser krefɔ krefte krema:re krɛme kemar kremare kejmare kejmɔre krɔma inkendere okɔɛ alkuno paɟkus poko pɔko powku powku pɔk pɔ:k lunk ʌark lark krassus pekeɟo pekenu pikenu pikkolo kurtus kuɔ korto korto kuɔtu kurtu kurt ku:ɔ kurt striktus de:lika:tus delikato dolikat kalidus kaldo kaldo kawdu kaldu kaʃ kald rekentem vɛkkjo sporko ispuɔku iʃpuɔku spɔrk spurk di:re:ktus aku:tus sikkus sek seko sekko seku seku sek sek korre:ktus korretto proksimus wi:ki:nus kirka θerka dekstrum vermikulus krokeus krotʃeo grɔk katɔ kwatro kwattro kwatru kwatru kwatrɔ kwat kwatri sɛk θinko ʃʃiŋkwe siku siku siŋk sɛk 'ʃiŋk ekkumhi:k aki kwi aki ɛki aki illa:k ki ki ki ki: kwi kjen kɛʃ kɛʃ kwa ke ke ki ki kɛ kwe: kɔ kwando kwando kwɛdu kwɛdu kwan kwand kwant kind kɔmɔ komo kome komu komu kɔm kɔmɛ kum nek kum kon kon kɔ kɔ ku avek si:k kɔ ke ke ki kɔ ki: ke kɔ

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mulierem mulier animalia alimajɔ nema:l awikellum utʃfello utʃjel peduklus pedoli arʃol albero arbul silwa selba selva selba selve pa:lus pal palo palo pal pa:l folia ɔrel flo:rem floɛɔ flor floɔ flor flɔ flo:ɔ flo:r floare pellem pjel pelle peli peli pjel pjele kola plu:ma plym pluma plomɔ plɔm plumɛ pilus pwal pelo pelo pelu pilu pel pe:l kapillus kapello kabelu kɛʃɛlu o:rikla orele okulus voli gula gɔɛl gola gola golɔ gole ungula ɔgl ɔŋgule petiolus peθiolo pitʃɔlo pɛkol genikulum ɟɛnoli a:la el ala ala alɔ el ale kollum kollo kɔlu kɔlu kwɛl spatula epol espalda spalla spal spale alma alma alme so:lem sol sole sɔl sɔlɔ solikulus sɔlɛj soreli lu:na lyn luna luna luɛ luɛ lɔn lune lunɔ ste:lla etwal stella istrelɛ iʃtrele ɔstɛl stɔ:l stele pluwia plɟi pluɟɔ plu:ɔ ploje plɔaje flu:men flumi flumi flum lakum lak lago lago lagu layu lak la:t lak sa:lem sɛl sal sale sal sal sa:l lapidem laude lapide sabulum sabl savalɔn sabula pulwerem polvere polvar pulbere pulwus polbo pols nu:bilus nublo nuvola nublado nublado nu:l ka:li:ginem kalina kalidʒine kalizɛʃ kɛlizɛʃ nebula njɔly njebla newlɔ tinjeblas kajlum sjɛl ʃjelo ʃjelo sɛl ʃʃi:l gelu: zɛl jelo ɟɛlo glas gles glatʃe lingʷa lɔŋ lɛŋgwa lingwa ligwɛ ligwɛ lɛɟ 'lɛŋgɛ limbɔ suffla:re sufle sufle sofia: sufla uldi: olɛ:re olɛr olire ulura flɛɛ flɔjra pulsa:re pulsare pulsa: pulsa ta:lia:re jugula:re zygye jugula:re wola:re vole bolar volare bula vɔle zvolare zvola: leva:re lɔve levare levɔr livar lɔve leva: lua altia:re alθar altsare ɔlsa altʃa: lawa:re lave laʃar lavare levar levar lave lava: la limpida:re limpjar lipar lipar pulsa:re pulsare pulsa: pulsa lanke:re lɔse lanθar lanʃare lɛsa lɛsar lanci: lanʃa: liga:re lie legar legare lɔji: lea: lega lu:dere ludir flu:ktua:re flyktɟe flugtwar fluttuare flutuɔɔ flutuar fluktua fluctua fluita:re fluitare fluere flye fluir fluire flwɔɔ

flwir flui ko:la:re kule kolar kolare k le gela:re z le elar  gelare zilar zilar z la  gale glakia:re glase gl sa glaf a: inglakia:re  
 infla:re  fle imfla  fle enfla: umfla konfla:re g fle g fle zglonfa: b yle b u:le flamma:re flame flama: flagra:re flag e flagrar  
 flagrare flag   flagrar ustula:re ustolare multus molto mol molc mult alguno alkuno  lgu alter altro altr  altri alt alius  
 longus l  longo lungo l gu l gu l  lunk lung largus l  z l ry  largo l  gu largu lark larg la:tus le lato lato latu latu lat  
 amplus  pl ampl  lurdus l   lerdo lordo lerdo lerdo pitulus pikkolo pit  l de:lika:tus dely    delikato d likat subti:lem  
 sutil sottile suptil suti:l kalidus kaldo kaldo kaldu calt kald ple:nus pl  pl  pl  plen plin wetulus malus mal malo malo mal  
 ma:l lw    lontano lontan vermikul  galbinus galben amarellus  marelu  mer lu albus albo albo alvu alb alb illa:k la la  
 la la la la

fe:mina fam embra femina femew femjē fembra foem femine femeje mulierem muxer moʎʎe muʎe muʎer muʎe muir  
mujere domina dam doem doamnə hominem om ombre omēj omēj omə om om om homo: wəmo infantem mulier muxer  
moʎʎe muʎeʎ muʎer muʎe muir mujere maritus maʁi marido marito maridu meridu marit marit marit ma:trem meʁ  
maðre ma:dre mēj mēj marə meʁ mari animalia omaj alimaja nema:l nəmaje piskem awem awikellum passerem kanem  
serpentem wermem berme verme veʁmi vermi verʁm vjerme arborem semen seme sementis səmās simjente semente  
semēfi simēti səmen simēs sementfe səmintfe gra:num ra:di:kem kortikem flo:rem gra:men gʁamen grama grēme grēme  
gram fun:em restem pellem karnem sangʁinem ossum adeptem o:wum plu:ma plym pluma pjuma plomə pləm plumē  
dentem pedem gamba gamba gamba kambə jambe gambə gambə genikulum manum mē mano ma:no mēw mēw mē maʁ  
minə wentrem pantikem kollum dorsum anima om alma alma awme alme om anime inimə fi:ka:tum so:lem flu:men  
fjume flumi flumi flum lakum mare meʁ mar mare maʁ mar mar meʁ ma:t mare sa:lem saksum lapidem sabulum  
pulwerem ka:liginem fu:ma:ta fyme fumata fuma:ta fumasə fumasə fumate kajlum wentum niwem fu:mus umo fumo  
fumu fumu fum fum fum fokum kinerem kammi:num fəmə kamino kammino kamjnu kemjnu kəmi montem mō monte  
monte mōfi mōti mun mōnt munte monta:nea mōtaʁ montaja montaja mōtəpe mōtəpe muntaja mōtaʁ montape  
noctem diurnum annum no:men no:me nomi nomi nōm nume no:minem nombre limbə komedere komer kome kumer  
mandukare mǝze mandukar mandʁare mēʁzə mēʁzə maʁja maʁi: maʁja: minka morde:re moʁdʁ moʁdʁ moʁdere moʁdʁ  
murðer mwardi morsika:re moskar morsikare musəga musəgar musəʁa murseka womere vomix vəmere vo:mi vəame simtsi  
time:re temer temere teməx timer temə temi teme tremere tremar tremare treməx trimer trima: dormi:re dəʁmiʁ dormir  
dormire doʁmiʁ durmir durmi dwəmi durmi: dormi muʁix morir morire moʁəʁ muʁer muri məʁi muri: muri makta:re  
mate matar mataʁ mətə ma:ta ma:fa: fəmine kaminar kamminare kemijəʁ kemijəʁ kəmina fimine camina: makfe ma:ʁfi:  
mergere merðere merðe ambita:re tumar tumba tume ekspirimere ekspremir sprəmere isprəməx isprəmer əsprəmə əsprimi  
skreme limpida:re limpiar impingere impinðere əmpəʁə impinðe komputa:re kumta e:numera:re enumeʁe enumerar  
enumerare enumerar enumerar enumera numera:re numera numera: numara augmenta:re ogməte augmentar augmentare  
augmentar augmentar augmenta imfla umfla intume:skere entumeθer itumeser itumeser krema:re kʁame kemar kremare  
kejmare kejmaʁe kʁəma flamma:re flame fjammare flama flama: omne:s multus mu muʁfo molto mūjtu mūjtu mol molc  
mult magnus maʁo maʁno grandem majjo:rem mare amplus ampjo amplə strimt minutus məny menudo minuto miudu  
miuðu manut minu minut: məʁunt subti:lem rekontem malus mal malə malo maw maw mal mə: ma:l putrem hebetem  
sua:wem u:midus umido umid umed proksimus proximo prössimo prosimu prosimu proizme prosim dekstrum sinistrum  
vermikulus veʁmēj bermexo vermeʎʎo veʁmeʎu virmejʎu bəʁmeʎ viridem amarellus amarijo əmaʁelu əməʁelu u:num  
ekkuhi:k kʁ'em kʁ'o:modo kəmq komo kome komu komu kəm kəmē ftemut kum kum

nos nu nos noi nojs nɔf no no: noj fe:mina femmina femine domina donna done done done done dɔamɔə hominem  
 infantem infante fante nijo nino nenē nenē nen sponsa sponsus animalia nema:l nɔmajɛ kanem kan kane can kijne  
 serpentem serpiente serpente sɔrpen sarpint se:men sementis simjente semente sɔmen semenfɛ sɔminfɛ gra:num gɔɛ  
 grano grano grin gran frondea frondza frunzɔ rɔ:di:ki:na ɔasin ɔɛsɛn rɔdɔfɛina gra:men gɔamen fu:nem fune funje kwan  
 kotenna konnɔ karnem karne karne karni karni karn karn wi:wenda bibjenda vivanda sangw'inem sangwe sindɛ kornu:  
 kɔɔn kwerno kɔrno kɔɔnu kornu korn korn kwen korn penna pɛn penna penɛ penɛ pen pɛnɛ panɔ na:sus ne naso na:so nas  
 ne na:s nas nariθ nariɛ naris nɛriɛ na:ris dentem djente dente dint dinte ungula ungie perna pjerna perno pɛnɛ  
 pɛrɛ pɛrnɔ genikulum zɔnu inoxo dʒinɔkʒjo zɔnɔɔ dʒino dʒenoli dʒenunkʲ manum mano ma:no minɔ wentrem bjentre  
 bentrɔ vintri vintre pantikem panθa pantʃa pantse pintɛɛ intera:nea entrɔpɔ ɔntrɔpɔ sinus seno seno sen san anima  
 anime inimɔ lu:na lyn luna luna lɔnɔ lɔn lune lunɔ flu:men hare:na arena ɔrenɔ arinɔ savalɔn nu:be:s ny nube nube  
 nuvɛj nuvɛj nu:bilus nublo nuvola nubladu nubladu nuɔuɔ nu:l nor kaliginem kalina kalidʒine nebula nʒɔly njebla nebbja  
 nɛvwɛ nɛvwɛ newlɔ negurɔ tene:braj tɛnebre tene:bras tenɛbɔ tinjeblas tɛnebre tɛnebrɔs wentum bjento vɛnto ben 'vint  
 vint niwem njebe neve nevi nɛvi new ni:f nɛ:f nɛa kinerem ʃɛnere sɛndrɔ θeniθa ʃɛnize ʃɛnuɔɛ kammi:num kamino  
 kammino montem monte monte mun mɔnt munte monta:nea montɔpɔ montɔpɔ montɔpɔ montɔpɔ montɔpɔ noctem nʒi nɔʃɛ  
 nɔtte nɔjti nɔjti nit nyt noapte diurnum djurno dʒorno zorn zɔɔna zɔɔna diurna:ta zɔɔne xornada dʒornata dʒornade

## Appendix 3 - Words containing each segment

annum anno enu enu an no:men nō no:me nomi nomi nōm nō nōj nume no:minem nombre ling<sup>w</sup>a lingwa 'lenge manduka:re mandukar mandžare minka konspuere kogno:skere konetx konoθer konoffere kunefə kinəh kunəafte pēnsa:re pensar pensare pənsa senti:re sentir sentire sēnti sinti: neka:re nwaje nəga neka anegar annegare pugna:re skindere findere findere ender fendere fendrə pungere pundžere pundže nata:re nadar nwotare nadax nəðar nəda nada: naviga:re naze nabegar navigare naviyax nəviyar nəbəga nədži: naviga: naviga fəmine kaminar kamminare kəmina fimine camina: andar andare weni:re vənix benir venire bəni vini veni ekstendere ekstender estendere əstendrə ekstinde sedenta:re sentar senta: torna:re tūne tornar tornare toxnax turnar turna tu:rne torna: turna dona:re dōne donar donare duna dine dona: tene:re tənix tener tenere tēni tini tinji tsine stringere strindžere stringe strengi: strindže enxugar impingere impindžere impindže lankea:re lanθar lanfjare lənsa lanci: lanfja: e:runka:re arankar arronfjare ko:nsuere kontar kontare konta: e:numera:re enumexe enumerar enumerare enumerar enumerar enumera:re nōbxe noverare numera:re numara ekspo:ne:re spune kanta:re kantar kantare kənta canta: kinta inglakia:re ingetsa aųgmenta:re aųmentar aųmentare aųgmentar aųgmentar augmenta infla:re infjar enfiare enfla: konfla:re gonfjare intume:skere entumeθer inkendere enθender infjendjare isendžiar ənsendrə infjindže omne:s tantus tanto tanto tant tanc alguno alkuno magnus grandem grande grande gran grant longus longo lungo lunk lung antfo 'pittinus pitfino pekenu pikenu putsin angustus angosto angusto minu:tus mənny menudo minuto manut minu:tu mərunt rektentem reθjente refjente retsint ple:nus ləno pjəno plen plin nowus nuvo nweβo nɔvo novu novu nɔw nɔve now bonus bweno bwɔ:no bɔn bɔn bun rotundus redondo ritondo tarɔnt rətund nitidus net niðio netto nədžu nədžu net net net

ed wiki:nus beθino vitfino vitfin vetfin lontano lunta lontan sinistrum sənəstx sinjestro sinistro galbinus zon džen galben u:nun uno uno un unu k<sup>w</sup>:ink<sup>w</sup>e θinko ffinf kjen ffine k<sup>w</sup>ando: kwando kwando kwan kwand kwant kind no:n nō no non nēw nēw no nō no nu nek ni ni ne nēj nēj ni nē in en in ən in deintus dins kon kon

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jo io jo nos no bos vof vos vose voste mołłe domina dona done done hominem ombre oměj om homo: wəmo nijo nino sponsa esposa ispoza ifpozə mołłe mariðo marito sponsus esposo spɔzo ispozu ifpozu sokius sɔfjo sots omaj wazo utfello paxaro passero pjoxo pidəkkjo piołū piołū poł pedoli arborem arβol albero ərvori arbore palo palo fruto frutto grano grano folia oxa fołe fołe frondea frondza kortikem kortiŋe kortikea korteθa kortettja koŋfise skortea ekoxs flor flox flor kotenna kođje kodje konnə po ossum weso ɔsso osu osu os webə wɔvo ovu ovu ow kornu: kwerno kɔrno kɔrnu kornu korn kola koda plomə pelo pelo kabəjo kapello oxej orexa orekkja orełe orejəle orele okulus oxo əkkjo ołū ołū voli ok<sup>l</sup> naso na:so boka bokka boke boke bokə gola gola golə perno petiolus peθiolo pitfɔlo pekol pitfjor inoxo dʒinəkkjo ʒənoł dženoli mano ma:no kollum kwejo kollo dorsum do dɔsso dos do epol seno seno pefjo petto kor kor iyaðo fegato sol sole solikulus soreli o pjodžə ploje rio rio lago lago sasso sorə polvere polbo pols nublo nuvola nor θjelo θjelo bjento vento jelo dʒelo umo fumo fokum fwego fwəko fogu foyu fok kamino kammino montem monte montane:nea montəna montəŋna noctem nofje djuerno dʒorno zorn xornada dʒornata dʒornade əno anno nomi nomi nombre komedere komer kome morde:re moxdə morðer moxdəx morsika:re moskar morsikare konspuere womere vomix soffjare sofja: vjodi oir owvix owvir kogno:skere konoθer konoffere koŋesəx koŋosi kođitare ole:re oler olire odo:ra:re odorare dormi:re dormir dormire doxmix dormi morir morire moxəx okki:dere kortar koxtəx skortare kosał fodere nwotare wolə:re vole bolar volare voax zvolare zvola: ose torna:re tornar tornare toxnax torna: tork<sup>w</sup>:ere torθer dona:re donar donare doa dona: appektora:re fɔte frotar fɔte arronfjare koser komputa:re kontar kontare konta: noverare sporre joka:re dʒokare zogax kolar kolare koax skorrere ifkoəx əskorə skori: korer korrere koəx korə kori oɡmɔte konfla:re gonfjare zglonfja: ustolare omne:s opri todo tutto todū todu tot tot mufo molto mol molc tanto tanto okoə alguno alkuno poko pɔko powku powku otrə otro altro owtru owtru mapo mapno longus longo lungo loŋ laryo largo lato lato antfo ampjo graso grasso espeso spesso gordo grossus gɔo grɔsso grosu grosu gros lerdo lordo lerdo lerdo pekepo pitfino pikkolo korto korto angosto angusto estrefo stretto menudo minuto delyaðo delikato sottile fo kaldo kaldo frio freddo ləno pjəno nowus nuvo nweβo nɔvo novu novu now bjexo vekkjo bonus bweno bwɔ:no malo malo poðriðo putrido poðre podri poðri sordidus sordido sɔrdido spɔrko dritto rotundus redondo ritondo rədo ayuðo retuzo soave niðio netto umido seko sekko korre:ktus korretto proksimus proximo prɔssimo prosimu prosimu proizme prosim adproppe presso beθino vitfino lontano lontan djestro destro sinjestro sinistro roxo rosso ɔofu ɔofu ros rofu bermexo vermiłło rubjo rəbbjo rubeo rubeo zon amarijo krokeus krotfejo albo albo uno uno dos dos dowə k<sup>w</sup>attwor kwatro kwattro θinko kwando kwando k<sup>w</sup>:o:modo komo kome komu komu no non no no kon kon abhoc k<sup>w</sup>od

p 0070

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sponsa epuz esposa spɔza ispoza ifpozə əspɔzə sponsus epu esposo spɔzo ispozu ifpozu əspɔs spo:s patre pex padre pa:dre paj paj parə pər pari piskem peθ pefje pejfi pejfi pef pəs pefte pwasə pehə passerem paxaro passero paseru pasəru pasəre peduklus pu pjoxo pidəkkjo piołū piołū poł pju pedoli pədukje serpentem sɔrpə serpente sɔrpəfji sirpəti sərpen sjərpə sarpint farpe pa:lus pal palo palo paw paw pal pa:l par jep pellem po pjel pelle peli peli peł pja pjel pjele adepem adipe plu:ma plym pluma pjuma plomə plɔm plume penna pen peja penna penə penə peja

## Appendix 3 - Words containing each segment

pen pene panā pilus pwal pelo pelo pelu pilu pel pe:l pār kapillus kapello kapitia kap kap pedem pje pje pje:de pē pē  
 pew pi: pīt piez džāp perna pjerna perno pēnē pērnē pērnā petiolus pebiolo pittjolo pekol pitfjor pantikem pās pantha  
 panfja pēsē pēsē panfjā pās pantse pinteſe spatula epol espalda spalla iſpadwē iſpadwē əspaʌʌʌ spal spale spate pektus pi  
 peſjo petto pejtu pejtu pit pēt pjept apə pluwia plūi pjodſa plužə plu:ʌ ploje pləaje ri:pa:ria petra pjeʌ pjeđra pje:tra  
 pedre peđre peđrā pi:ʌ pje:re pjatrā lapidem lapide pulwerem pudʌ polvere pəlvar pulbere pulwus polbo pō pō pols  
 nqapte konspuere kōspyē kuſpiʌ kuſpir eskupir əskupi skuja sputere esputar sputare spuda: respi:ra:re respirar respirare  
 ʌespirar ʌiſpirar rəspira respira: sapere sapere pēnsa:re pāse pensar pensare pēsə pēsar pənsa pēsē pēsja: pəsa pugna:re  
 puñar puñare puña kaptia:re pulsa:re puse puxar pulsare puſəʌ puſar pulsa: pulsa parti:re partix partir partire paſfjix  
 pərtir pərti pō:rti parti: se:para:re separar separare separəʌ siſərar səpəra separa: separa pungere pweđʌ punđere pūziʌ  
 pūzir puji punđe eksprimere epweđʌ ekspremir spremere iſprəmeʌ iſprəmer əspremə esprimi appektora:re apretar epirtar  
 epirtar limpida:re limpjar lipar lipar pulsa:re puse puxar pulsare puſar puſar pu:si: pulsa: pulsa impingere impinđere  
 əmpəjə impinđe apta:re komputa:re ekspō:nere sporre spune paʌkus pō pōko pōko powku powku pōk pō po:k amplus  
 āpl ampjo amplə spissus epe espeso spesso ispesu iſpesu əspes spē pittitus pəti pətit piti 'pittinus pekejo pittfino pekenu  
 pikenu putsin pitulus pikkolo piſful suptil ple:nus plē pje:no pte plē plen plin putridus pođriđo putrido puđrit putred  
 putrem pođre pođri pođri spurcus spōrko iſpurku iſpurku spōrk spurk drept proksimus proximo prōssimo prosimu prosimu  
 proizme prosim adpropre əpɔpə apɔape pressus pɔe presso pɔe patru

**R** 0072

**33**

mulierem mui:r mujere mulier mui:r mujere mari:tus marito mari:t mērit ma:trem ma:dre mari patre pa:dre pē:r pari  
 passerem passero serpentem serpente sərpen sarpiſt wermem verme vjer vjerme arborem arbul arbore fruktus frutto frut  
 frukt gra:num grano grin gran griw frondea frondza ra:di:kem raiθ ərel ra:di:ke radi:ſe ra:di:ki:na rəđəfinə kortikem  
 kortiſe kortikea kortetfja skorteʌ skōtsə əskōrsə skwartse flo:rem flo:r herba erba erbə jarbe gra:men restem rēsta karnem  
 karne karn ca:r kornu: kōrno kōrn kwa:r kōrn o:riklə orekkja orele ureke nariſe na:ris perna perno pērnā pitfjor wentrem  
 vintri vintre intera:nea dorsum kor kwəre kor kur soreli ri:wus rio rio riw riw ri:pa:ria rivi:ʌ mare mare mar ma:r mare  
 sare petra pje:tra pje:re hare:na arinə sorə pulwerem polvere pəlvar pulbere terra tjera terra tērə tjere tsarə nor negurə  
 tene:braj tē:nebre tene:bra:s tē:nebre đer kinerem tſenere sendrə stra:ta strada diurnum đorno diurna:ta đornata đornade  
 bibere komedere manduka:re morde:re mōrdere mwardi morsika:re morsikare musəgar murseka su:gere konspuere sputere  
 womere vōmere suffla:re soffjare respi:ra:re respirar respirare rəspira respira: ri:de:re reir ri:de:re riwə ridi wide:re aʌdi:re  
 ski:re sapere sapere kogno:skere konoffere kō:gita:re kođitare pēnsa:re senti:re sentire olere olire odo:ra:re odorare  
 fra:gra:re fragrare time:re temere tremere tremare trima: dormi:re dormire durmi durmi: dormi wi:were vivere morire muri:  
 muri neka:re annegare tu:tari makta:re okki:dere pugna:re puñare battuere battere kaptia:re katfjare pulsa:re pulsare  
 sekare segare kurtare kurtare ekskurta:re skortare skurta: skurta ta:lia:re taʌʌa:re di:widere dividere skindere findere findere  
 fēndere parti:re partire pərti parti: se:para:re separare separa: separa pungere punđere jugula:re jugula:re ra:dere raer  
 radere rawrə rada: rade rasar rasare rəza rasa: raskar rəska fodere kawa:re kavare ekskawa:re skavare nata:re naviga:re  
 navigare wola:re mergere mērdžere mērdžə ambita:re andare weni:re ekstendere estendere jake:re đere sedere sedere  
 sedentare sta:re stare leva:re levare altia:re altsare torna:re tornare turna tur:ne torna: turna gya:re đjirare đjira: virare  
 đjira: torkʷe:re tōrfere turser turser tōrsə tōartſe kadere kawrə dare dare dar dona:re donare tene:re eksprimere spremere  
 iſprəmeʌ iſprəmer esprimi skreme serrere serar səra serare θerar serrare appektora:re stringere strinđere əſtrizir əſtrizir  
 stringe strēngi: strinđe frika:re fregare froj frea freka frikta:re frettare frisar lawa:re lavare tergere tērdžere ekstergere  
 əstərzi ſterđe eksu:ka:re affugare limpida:re tira:re tirare tire tira: pulsa:re pulsare trahere trarre traj tradžə impingere  
 impinđere jakta:re đettare lankea:re lanfjare e:runka:re arankar arronfjare liga:re legare apta:re ko:nsuere kufjire komputa:re  
 kontare e:numera:re enumerare numera:re noverare numera: numara di:kere dire ekspō:nere sporre kanta:re kantare lu:dere  
 joka:re đokare flu:ktua:re fluttuare fluita:re fluitare fluere fluire ko:la:re kolare ekskurrere eskurir skorrere əskorə skori:  
 kurrere korer korrere korə kori gela:re đgelare glakia:re gjatfjare inglakia:re aʌgmenta:re aʌgmentare infla:re enfiare konfla:re  
 gonfjare intume:skere kre:ske:re kreffere bruſfjare bruza: krema:re kremare krəma flamma:re fjammarde:re ardere flagra:re  
 flagrare inkendere intfēndjare ustula:re ustolare ustura alter altro altri grandem grande gran grant majjo:rem largus largo  
 lark larg krassus grasso gras gras gurdus grossus grōssu grwəs gros grawis greve grav grevi lurdus lordo kurtus korto  
 kurt brewis breve striktus stretto strēt strimt mərunt subtsire fri:gidus freddo frē:t rekente  
 m reθjente reſfente retsint reſſe putridus putrido putred putrem sordidus sōrdido spurcus spōrko spōrk spurk di:rektus  
 dritto drō: drēt drept rotundus redondo ritondo rədo rō tarənt rətund retu:sus retuzo korre:ktus korretto proksimus  
 prōssimo prosim adpropre apɔape pressus presso pɔe kirka dekstrum dēstro djestri sinistrum sinistro sijestri russus roxo  
 rosso ros rəs vermikululus vermīʌʌo bərmeʌ rubeus rubjo rəbbjo rubeo rubeo ruđe rōfj rojb wiridem verde vert amarellus  
 krokeus krofſeo tre:s tre tres trō: 'tre: trej kʷattwor kwattro kwatri patru

**S** 0073

**14**

nos nos nōjs wo:s bos vōjs bus vos usted vose vōse voste sponsa esposa spoza ispoza əspōzə mari:tus sponsus esposito

## Appendix 3 - Words containing each segment

spozo ispozu əspəs spo:s sokius sɔfjo sots be:stia bis piskem pəs pwaso useɹ passerem passero pasəru pasəru pasəre peduklus serpentem sɛpɔ sɛrpjente serpente sɛpɛfji sɪrpɛti sərpen sɛkɔpɛ sarpint silwa selba selva sɛwva sɛlve selba sɛlve pa:lus fruk:tus se:men seme sementis sɛmɔs simjente semente semɛfji simɛti sɛmen simɛs sementfɛ sɛminfɔ frɔsɛ frɔsɛ ɹais ɹasin ɹɛsɛn kɔɹfisi kɔrtisi kɔɹfise kurtise skortea ekɔs skɔrtsa əskɔrsə skwas skwartse skɔartsə restem rista resta sangˈwinem sɔ sangre sangwe sɛgi sɛgi saŋ sɔ:g saŋk sindʒe ossum ɔs wesɔ ɔsso osu osu ɔs vwɛs os gʁɛs grasa pilus kapillus kavettisa kabesɛ kɛβesɛ testa testa testɛ testə fʃɛs testɛ tɛastə okulus na:sus naso na:so nas na:s nas naris na:ris petiolus pɔs pɛsɛ pɛsɛ pɔs dorsum dɔsso dos dwes spatula espalda spalla əspaɹɹə spal spale spate sinus sɛ seno seno seju seju si sen san pektus so:lem sol sole sɔw sɔt sɔl sɔlɔ sqare solikulus sɔlej soreli ste:lla estreja stella istrelɛ əstɛl stɔ:l stele stɛa ri:wus sa:lem sel sal sale saw sal sal se sa:l sare saksum sasso seɟfu seɟfu sabulum sabl saɟbru saɟbru sorə so:vjɔ savalon sabula sabbja pulwus pols nu:be:s nu:bilus tene:bra:s tinjeblas trɛvɛs tɛnebrəs fuməsɛ fuməsɛ sɟɹ sɛw sɛw sɛl si:ɹ glas glas gɹɛs fumus sɔdɹ sɛndrə sɛ:d sizɛf sizɛf stra:ta estrada strada istradɛ die:s morsikare moskar morsikare musəga musəgar musəɣa murseka su:gere syse sugaɹ sugaɹ sysi: suɟe konspuere kɔspye kuspiɹ eskupir əskupi skujpa sputere esputar sputare spuda: suffla:re sufle soffjare sufle soflla: sufla respi:ra:re respirar respirare ɹespirar rɛspira rɛspira: ski:re sapere savwaɹ saber sapere sabɛɹ sɛber sɔβɛ savɔ:ɹ save: kogno:skere kopesɛɹ kupiser koposi pe:nsa:re pɔse pensar pensare pɛsɹ pɛsar pɔnsa pɛse peɹsa: pɔsa senti:re sɔtiɹ sentir sentire sɛfjiɹ sɛtir sɔnti sɛti sinti: simtsi ɔksɹ uksi fase kasɹ kɛsar kɛsa fʃɛsi: pulsa:re puse pulsare pulsa: pulsa seka:re sje segar segare segaɹ siɣar sɛɣa sea: ekskurta:re skortare skurta: skurta skindere sɛde se:para:re sɔvɛ separar separare separaɹ sipɛrar sɔpəra separa: separa rasar rasare rasa: raskar rɛska kosaɹ kusar ekskawa:re eskabar skavare ekstendere ekstender estendere istɛdɛɹ əstendrə ekstinde jesi sedere swaɹ sɛr sedere sɛɹ ser sedenta:re sentar sɛtar sɛtar senta: sta:re estar stare əsta ɛs sta: sta ose aɹsa aɹsar əlsa ho:si turser turser tɔrsə segurar siguraɹ siɣurar eksprimere ekspremir spremere əspremə esprimi skreme serrere serar sɛra sɔrar sɔra serare sɛre serrare siɹar siɹar sɛre stringere estrepiɹ strindʒere əstreɹə stringe strengi: strindʒe frisar frasa ekstergere estarsɹ əstərɟi eksu:ka:re esɟije suwe suja: uska pulsa:re puse pulsare pu:si: pulsa: pulsa lɔse lɛsa lɛsar lɔnsa ko:nsuere koser ɔqase ekspo:nere sporre spune ekskurrere eskurir skorrere əskorə skori: skurdʒe glase glasa intume:skere itumeser itumeser kre:ske:re kreseɹ kriɹsɛr ɛsɔdʒe isendʒar isɛdʒar ənsendrə ustula:re ustolare ustura omne:s to:tus multus tantus paɹkus alius magnus longus largus la:tus amplus krassus graso grasso gras gras spissus espeso spesso ispesu ifpesu əspes spɛ gurdus grossus grɔsso grosu grosu grɔs grwɛs gros grawis lurdus pittitus 'pittinus pitulus kurtus brewis angustus angosto angusto ingust striktus estreɟo stretto istreɟtu əstreɟt stɔ:ɹ stɹet strimt minu:tus delika:tus subtilem sutil sottile sufɹiw sufɹiw suptil su:ti suti:l subtsire kalidus fri:gidus kɛsɛfji kɛsɛfji ple:nus nowus wetulus bonus malus putridus sordidus sordido sɔrdido

sɔrdidu sɔrdidu spurcus spɔrko ispurku spɔrk spurk di:re:ktus rotundus aku:tus retu:sus sua:wem soave suaw nitidus umidus u:dus sikkus sek seko sekko seku seku sek sɛf sek sek korre:ktus proksimus prɔssimo prosimu prosimu prosim pressus presso wi:ki:nus dekstrum djestro destro destru destrə djestri sinistrum sənɛstɹ sinjestro sinistro sɛftru sɛftru sipestri russus rosso ros rɔs vermikulus rubeus galbinus amarellus krokeus albus duo:s dos dojs dos duas duɛs tre:s tres tres tres sɛk siku siku siŋk sɛk isi kˈis deintus dins si:k si si si si si si si si

t 0074

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tu: ty tu tu tu tu ty tu tu usted voste infanтем infante fante ifɛti mari:tus marito marit mari:t mɔrit matrem patre tata tata tata tata tata be:stia peɹte utfɛllo serpentem sɛrpjente serpente sɪrpɛti sarpint fruk:tus fruto frutto frute frute frujt frut frukt sementis simjente semente simɛti kortikem kortiɹfɛ kɔrtisi kortikea korteθa kortetfɹa kurtise skortea restem rista resta ɹɛfti kotenna kapitia kavettisa testa tet testa testɛ testə dentem djente dente dɛti dint dinte pit petiolus pittɹɔ wentrem vɔtɹ bjentre bentrə vɛt vintri vintre pantikem pintɹfɛ intera:nea ɔtɹaj entrana itreɹɹɛ ɛtreɹɹɛ əntrəɹə spatula spate pektus peɹto peɹtu peɹtu pit pet pjept fi:ka:tum fegato fɔ:t fiɹat fikat ste:lla etwal estreja stella istrelɛ iftreɹɛ əstɛl stɔ:l stele stɛa la:t petra pje:tra pjatrə terra tɛɹ tjera terra tɛɹɹ tɛɹɹ tɛrə tɛ:ɹ tjere tene:braj tɛ:nebre tene:bra:s teneɹɹ tinjeblas tɛ:nebre trɛvɛs treɹvɛf tɛnebrəs fu:ma:ta fumata fuma:ta fumate wentum bjento vento vɛtu vɛtu 'vint vint gɟatfɹa stra:ta estrada strada istradɛ iftraɹɛ montem monte monte mɔti mɔnt munte monta:nea mɔtap montana montana mɔtɹɹɹ mɔtɹɹɹ muntana mɔtap montape noctem notte nojti nojti nit nyt ɹɔt ɹɔapte diurna:ta ɟornata sputere esputar sputare fti kɔnɛtɹ kunɔafte ko:gita:re koɟitare kuzitaɹ kuzitar kuɟeta senti:re sɔtiɹ sentir sentire sɛtir sɔnti sɛti sinti: time:re temer temere temɛɹ timer temə temi teme tremere tremere tremare tremɛɹ trimer trima: tu:tari tɹɛ tuwe makta:re mate matar mataɹ mɛtar mɔta utfidere battuere batɹ batir battere bateɹ bɛter batrə bate bati bate kaptia:re kattɹare kurta:re kortar kɔtɹaɹ kurtar ekskurta:re ekurte skortare skurta: skurta ta:lia:re tɔje taxar taɹɹɹa:re taɹaɹ tɛɹaɹ tɹa tɹi: taja: tɹja fɛt parti:re pɔrtiɹ partir partire pertir pɔrti pɔ:rti parti: nata:re nwotare ambita:re ekstendere etɔdɹ ekstender estendere istɛdɛɹ iftɛdɛɹ əstendrə ekstinde sedenta:re sentar sɛtar sɛtar senta: sta:re ɛtɹ estar stare iftar iftar əsta sta: sta alta:re altɹa: torna:re tuɹne tornar tornare tɔɹnaɹ turnar turna tu:rne torna: turna torkˈɛ:re tɔɹdɹ torθer tɔɹfɹɹɹ turser turser tɔrsə tɔarɹfɛ tɔbe tumbat tɔbaɹ tɔbar tumba tume tene:re tɔniɹ tener tenere tɛɹ ter tɔni tini tinji appektora:re apretar ɛpirtar ɛpirtar stringere etɹɛdɹ estrepiɹ strindʒere əftriɹiz əftriɹiz əstreɹə stringe strengi: strindʒe friktare fɹote frotar frettare fɹote tergere terɟere ekstergere estarsɹ əstərɟi fterdʒe tira:re tɹiɹ tɹar tɹare tɹar tɹa tire tɹira: trahere tɹɛɹ trarre traze treɹzer tɹɛwɹə traj tradʒe jakta:re ɟɔte ɟɛttare ɟejtar ɟejtar xita ɟɛte apta:re atar ɛtar

etar komputa:re kōte kontar kontare kōtar kōtar kumta kōte konta: kanta:re jāte kantar kantare kētar kētar kanta kōte  
 canta: kinta flu:ktua:re flyktuē flugtwar fluttuare flutuaw flutuar fluktua fluctua fluita:re fluitare gjattfjare aūgmenta:re  
 ogmāte aūmentar aūmentare aūgmentar aūgmentar augmenta intume:skere entumeþer itumeser itumeser kēwatx kreſte  
 ustula:re ustolare ustura to:tus tu todo tutto todū toðū tot tō dut tot multus molto mūjtu mūjtu mult tantus tanto tanto  
 tētu tētu tant tanc alter otx otro altro owtru owtrū altrō ēl altri alt grant la:tus lato lato latu latu lat pittitus pēti pēti  
 piti 'pittinus pitfino pitulus kurtus korto korto kuxtu kurtu kurt kurt angustus angosto angusto ingust striktus etwā  
 estreſo stretto istrejtu iſtrejtu æstret stxø: stret strimt minu:tus minuto mænut minutu mærunut de:lika:tus delikato dælikat  
 subti:lem sutil sottile suptil su:ti suti:l calt fræt fræt rekentem reþjente reſſente retsint wetulus putridus put  
 rido puðrit putred putrem di:re:ktus dritto đirejtu direjtu dræt dræt drept rotundus ritondo tarōnt ratund aku:tus ægut  
 hebetem ebete retu:sus retuzo nitidus net netto net net neted korre:ktus korretto lwētē lontano lūnta lontan dekstrum  
 djestro destro destrū đjstru destrā djestri sinistrum sænestrx sinjestro sinistro seſtru seſtru sijestri vert vert tre:s tēwā tres  
 tres tres tref tres trø: 'tre: trej k\*attwor katx kwatro kwattro kwatru kwatru kwatrō kwat kwatri patru kwant ſjemut  
 deintus et

u

0075

15

[illegible]

V

0076

18

vu voi vojs voj vos vo: voj vose vose voste avi avi vek verme vekmi vermi verm vjer vjer vjerme avvori arvuri selva  
sewva selve selve ekve erve vjad vivanda viveda vivede vves wovo ovu ovu savø tšivja cavej save kavettsa voli vatk vet  
vintri vintre suve suvje rivje: so:vjo savalon polvere polvar nuvej nuvej nuvola nevve nevve treves trevej va vento  
vetu vetu ve 'vint vant neve nevi nva via vie bevi vomik vomere vom:mi vgame vgame vedere vek ver vi:r vjodi  
vedea owvix owvir sawwak savø:r save: vixv vivere vixv viver vivi via dividere dšividiš dividiš dividi divide savke save

## Appendix 3 - Words containing each segment

kavare kevaḱ kevar java: skavare iḱevaḱ iḱevar zjava: naviga:re navigare naviḱaḱ neviḱar naviga: naviga vole volare voaḱ vwar vḱe zvolare zvola: vḱniḱ venire viḱ vir vini vipi: veni leva:re lḱve levare levaḱ livar lḱve leva: viḱe virare virar viḱe lave lavare levar levar lave lava: noverare greve gravi gravi grav grevi breve brevi brevi nuvo nḱvo novu novu nḱve vjḱ vekḱjo vejḱlu veḱlu veḱ vi: vjei vekḱ<sup>l</sup> soave vwazē viḱḱino viziju viziju vizē viḱfin veḱfin vermikulus veḱmej vermiḱḱo veḱmeḱu viḱmejḱu veḱ verde verdi verdi vḱe vḱe verde awvu alvu vi avek avu

### W 0077 8

ew ew jew wo:s wḱmo pwasḱ awem aw awikellum wazo wermem silwa sḱwva paw paw fwee skwas skwartse kwan wi:wenda sangwe weso vwe:s o:wum webo wḱvo ḱw ow kwerno kwen kwa:r kawḱe kawḱe kḱw pwal pḱw zweḱlu wentrem kwejo kwel dwes iḱpadwe iḱpadwe kwore awme fwa sḱw etwal aywa akkwa agwe agwe ajywḱ e:w pluwia ri:wus riw riw riw saw pulwerem pulwus nevwḱ nevwḱ newlḱ sḱw sḱw wentum niwem new fwego fwḱko wia vwa leḱgwa lingwa ligwe ligwe bwaḱ bewrḱ mwardi womere riwrḱ wide:re vwaḱ bewrḱ wiḱ owviḱ owvir savwaḱ kwidar dwaḱmi wi:were biwrḱ nwaje tuwe di:widere pwēḱ rawrḱ fwik kawa:re ekskawa:re nwotare wola:re vwar weni:re zawrḱ swaḱ fwaḱ kawrḱ lawa:re suwe tḱwrḱ zwe ḱḱuwe flugtwar flwiḱ flwir kḱwatḱ awgū powku powku owtru owtru aw grwes grawis grew grew brewis brew etḱwa dewgadu suḱḱiw suḱḱiw kawdu fḱwa frwe nowus nweḱo nḱw now wetulus bwḱno maw maw dḱwa sua:wem suaw wi:ki:nus vwazē lwēḱ wiridem awvu dowḱ tḱwa k<sup>w</sup>attwor kwatro kwattro kwatru kwatru kwatrḱ kwat kwatri ḱḱḱḱwe kwi kwi kwa kwe: kwando kwando kwēḱu kwēḱu kwan kwand kwant

### X 0078 34

muxer muxer paxaro pjoxo oxa orexa oxo inoxo xornada puxar taxar xirar enxugar puxar xita xugar bjexo proximo roxo bermexo

### Y 0079 22

ty ty fry plym lyn ḱy ny njḱly fyḱe nyt syse sysi: kḱspyḱ zygyḱe gyra:re flyḱḱḱe flye bḱyle mḱny

### Z 007A 49

epuz spḱza ispoza iḱpozḱ ḱspḱzḱ spzo ispozu iḱpozu wazo frunzḱ piez siḱzḱf siḱzḱf ḱḱinize zi auzi kaze kazaḱ kezar rḱza zjava: zvolare zvola: zbura zezḱ zḱezḱ zḱezḱ zḱḱḱa traze tḱzer kuzer kuzer kuzi kḱz kuzi dizer dizer ziḱḱe zgloḱfa: bruza: retuzo proizme vwazē viziju viziju

### ã 00E3 82

ḱḱḱp pḱs

### ç 00E7 77

krḱ:ç

### ð 00F0 50

mariḱo meriḱu maḱre paḱre iyaḱo fiyeḱu pjeḱra peḱre peḱrḱ iḱtraḱe morḱer murḱer diviḱir neḱar toḱu miuḱu delyaḱo deḱyaḱu poḱriḱo puḱrit poḱre poḱri ayuḱo eyuḱu niḱio

### õ 00F5 61

pwasḱ peḱo frḱse frḱse ḱgl ḱg so:vjḱ mḱḱi mḱti mḱtaḱ mḱḱḱe mḱḱḱe mḱtaḱ nḱ ḱr tḱbe tḱbaḱ tḱbar kḱte kḱtar kḱtar kḱte gḱḱle gḱḱle pḱ ḱt lḱgu lḱgu lḱ ḱḱo bḱ bḱ bḱ bḱ kḱ kḱḱḱdu kḱḱḱdu rḱ ḱ kḱ kḱ

### ø 00F8 79

kḱ fḱvḱ lḱn fḱ pḱ vjḱ dḱ

### ĩ 0129 44

iḱḱḱi iḱḱti iḱḱḱe siḱzḱf siḱzḱf kamḱḱu ligwe ligwe ḱḱḱḱḱḱr ḱḱḱḱḱḱr lipar lipar iḱar iḱar iḱumeser iḱumeser iḱeḱḱḱar iḱeḱḱar siku siku si si



## Appendix 3 - Words containing each segment

ŋ	014B	75
saŋgre saŋ saŋk oŋgule maŋ aŋ noŋ leŋgwa maŋfa: peŋsa: aŋka zloŋfa: loŋ iŋgust uŋ ʃiŋkwe siŋk 'ʃiŋk		
œ	0153	30
føem døem fœj flœk œf œj gœl kœk		
ũ	0169	90
pũzĩk pũzir mũjtu mũjtu awgũ ałgũ ũ ũ		
ɐ	0250	29
femee femje done done ifpoze meriðu bife bife paseɾu paseɾu seɭve frute frute foɭe foɭe fröse fröse Ɂeif koɁʃise kurtise eɁve erve grẽme grẽme kodzie kodie vivẽde grafe grafe kawde kawde pene pene keɃelu kabese keɃese teste teʃte oreɭe oreɭe nerif boke boke uɁe uɁe pɛvne pɛrne zweɭu pẽse pẽse itrẽne etrẽne ifpadwe ifpadwe awme alme figedu fiyeðu lue lue istrele iftrele agwe agwe juve juve pedre peðre areje ereje teke teke kelizẽj nevwe nevwe treves treveʃ fumase fumase sizeʃ sizeʃ vie vie istrade iftrade kemĩnu môtẽne môteɁne die die enu enu ligwe ligwe seber metar betar kesar tɛɭar pɛtir sipɛrar Ɂeer Ɂezar Ɂɛkar kevar kevar ifkevar ifkevar neðar neviyar kemĩnar kemĩnar zezeɁ zezeɁ keir keir ɛpirtar ɛpirtar levar levar trezer etar etar ɛrder ɛyudu ɛmarelu ɛmarelu dues dueʃ eki ei e		
ɑ	0251	84
am fwa hare:na bwaɁ taje Ɂaze gɁa tɁwa		
ɔ	0254	9
zə nojs nɔʃ vɔjs vɔse dɔnna dɔnə dɔne ɔm ɔmẽj ɔmə ɔm ɔm wɔmo spɔza əspɔzə spɔzo əspɔs sɔʃo pidɔkkjo fɔɭɭa fɔj kɔʃʃisi kɔrtisi skɔrtsa əskɔrsə flɔ ɔs ɔsso ɔs ɔʃ wɔvo ɔw kɔɁn kɔrno kɔrn kɔw kɔde plɔm ɔɁaj ɔkkjo bɔk bɔce gɔle oŋgule pitʃɔlo ɟinɔkkjo ɟinɔ kɔlu kɔlu kɔɭ dɔsso dɔ kwɔre kɔk kɔr sɔw sɔɭ sɔɭ sɔɭ sɔɭ sɔɭ sɔɭ savalɔn pɔɭvar pɔ pɔ nɔjɔɭ fwɔko fɔk mɔnt mɔntape nɔtte nɔt zɔɁna zɔɁna nɔm nɔj mɔrdere vɔmere kɔnetɁ kinɔh dɔɁmiɁ mɔxi ɔksis vɔle tɔɁdɁ tɔɁʃere tɔrsə dɔne lɔji: kɔle kɔri tɔ pɔko pɔk grɔsso grɔs nɔvo nɔw nɔve bɔn bɔn sɔrdido sɔrdidu sɔrdidu spɔrko spɔrk tarɔnt prɔssimo əpɔɁp rɔs rɔbbjo rɔʃ grɔk kɔmɔ kɔm kɔmẽ		
ə	0259	4
zə dɔnə dɔamɔnə ɔmə əspɔzə mɔrit əspɔs marə parə tatə nɔmaje pasəre pɔdukje sɔrpen abrə sɔmɔs sɔmen sɔminʃə fuɭə frunzə əɁel rɔdɔʃɔnə əskɔrsə skɔrtsə erbə jarbə konɔnə ɔɟadə plomə pɛnə panə pɛr sɔvɔ kəbeɭ sɔve testə tɛɛastə ureɭə bokə bukə golə gurə kambə gambə pɛrnə gambə zɔnu zɔnoɭ minə alə bentɔrə pɔɁʃə əntrɔnə əspɔɭɭə inimə fedʒə lunə lunə əstɛl əjyɔw əpə pluɁə peðrə pjatrə ərenə arinə sorə tɛrə tsarə newɭə negurə tənɛbrəs ʃʃeɭʃə gɛatsə sendrə ʃɛnuʃə biə ʃəmẽ kəmi muntɔnə diə limbə bewrə mɔɁza musəɟa musəɟar musəyɔ əskupi rəspira riwrə bewrə səʃe kuneʃə pənsa pəsa sɔnti flɔjra temə biwrə nəɟa mətə batrə kəsə səyɔ tɔɭa tɔja fendɔrə pɔrti səvɛ səpərə rawrə rəza rəska sɔve kəba nɔdɔ nəbəɟa ʃəmine kəmina vənix bəni əstendɔrə zawrə zəʃʃə əstə ləve kəba ləve əɭsa tɔrsə kawrə kədə tənix təni ifpɔrɛmɁ ifpɔrɛm əspɔrɛm sərɔr sərə əʃtrizir əʃtrizir əstɛrɔnə frəɟa frəsə kəba əstərzi əʃuga tɛwɔrə əmpɛrə zəte kənsa kəntə əskorə korə zəle zəla gləsə kɛʃə krəma ənsendɔrə əɭgu altrə amplə əspes pəti pətit əstret mənɔ mənɔt mərunt dəlɛkat rədo rətund əɟut əpɔɁp bəi destrə sənɛstɁ bərmɛɭ dɔwə kwatrə əɭa ən kə kə kə		
ɛ	025B	31
femine efɔ pes pehɔ utʃello utʃjel sjɛɁpɛ vɛrm vjer vjer sɛwva seɭve selve sementʃe gɁɛn əɁel resen ɛɁb ɛrba ɛrve jɛp gɁamen resta Ɂɛʃʃi peli pjɛl ʃɛk vwes gɁes kwen kɔde plume pen pɛnə pene pel kəbeɭ sɔve tet testə testə teʃte ʃɛs teste ureɭə bɔce dente oŋgule pɛ pɛ pɛw pɛrno pɛvne pɛrne pɛrnə pɛkol kwɛl spale petto pet əstɛl stele mɛk sel peðre terra teke tɛrə tjere nevwe nevwe tenebɁ treves treveʃ sjɛl ʃɛlo sɛw sɛw sel vento nevi nevi zɛl ɟɛlo zɛɭ gles sendrə ʃɛnizə munte 'lɛnge bewrə bewrə səʃe kɔnetɁ kuneʃə flɛkə ʃɛsi: teji: fendere fendɔrə nɛɟi: mɛɁɟere estendere etɁ ɛs spɛrɛmɛrə sɛrɛ əstɛrɔnə strɛngi: tɛɁɟere tɛkɁ tɛwɔrə əmpɛrə ɟɛte intʃendjare ispɛsu əspes spɛ grwɛs gɁɛjɛf greve grevi bɁɛf breve brevi brevi əstret stret dɛɭyɔdu frɛt frwɛ rɛʃɛntɛ pɛ plɛn nɔve vɛkkjo drɛt drɛt ɛbete net nɛɟu nɛɟu net net sek sek seʃ sek presso prɛ destrɔ destrɔ dɛʃtru sənɛstɁ seʃtru seʃtru vɛkɛmɛj bərmɛɭ vɛrt vɛk vɛrt ɟɛn ɛmarelu ɛmɛrɛlu trɛs kɛ ɛ		

## Appendix 3 - Words containing each segment

<b>J</b>	025F	83
jambe manja: java: zjava:		
<b>g</b>	0261	1
ego: gra:num gwen grano grano grēw grēw gra grin gran griw gra:men gʷamen grama grēmē grēmē gram sangre sangwe sēgi sēgi sō:g gʷes grasa grafe grafe gref gula gœl gola gola golə gøj gœle gurə ungula ōgl ungja ōg ōngule ungje gamba gamba gamba gambə gambə genikulum fegato figədu agwə agwə age lago lago lagu ka:li:ginem negurə gelu: glas gjatfə glas glēs glatfe gēatsə fwego fogu lōg lēngwa lingwa ligwē ligwē 'lengē musəga musəgar su:gere sugak sugar kogno:skere ko:gita:re fra:gra:re fragrare nəga anegar annegare pugna:re segar segare segak pungere jugula:re zygyle jugula:re naviga:re nabegar navigare nəbəga naviga: naviga mergere gyra:re segurar sigurak stringere stringe strēngi: fregar fregar frəga iffrigar tergere ekstergere enxugar affugare ēfugar əfuga impingere liga:re legar legare lega xugar zogak zuga flugtwar gela:re glakia:re glase gjatfjare gləsa glatfa: inglakia:re ingetsa augmenta:re ogmōte augmentar augmentar augmenta gōfle gonfjare gōfle zgloŋfa: flagra:re flagwē flagrar flagrare flagwək flagrar alguno awgū atgū əlgu magnus grandem gʷā grande grande grēdʒi grēdi gran gʷā grant longus longo lungo lōgu lōgu lung largus largo ləwgu largu largu gʷa graso grasso grafu gras gras gras gurdus gordo grossus gʷo grōsso grosu grosu grōs grwəs gros grawis gʷijef grabe greve gravi gravi grew grav gravi grew angustus angosto angusto ingust dewgadu fri:gidus əgut galbinus galben grək		
<b>Y</b>	0263	85
iyəðo fiyeðu aywa ajyʷə layu foyu musəya siyar səya naviyak neviyar siyurar iffriyar ēfuyar liya zuyar laryo delyaðo delyaðu ayuðo eyuðu		
<b>q</b>	0265	69
fq̣i pḷi ṇi ḳide ṭe esq̣ije flykṭe		
<b>i</b>	0268	47
ifēti ifpoze ifpozu pejfi avi sirpēti vermi arvuri simēti səmintfə kōrtisi kēsti peli karni sēgi sindʒe pilu dēti minə pintefē iftrele flumi riw vint nevi mōti nojti nojti nomi bişer minka ʷispirar ride kupiser timer trimer siyar sipərar naviyak neviyar iftar iftar livar sigurak siyurar sizar sizar epirtar epirtar strindʒe iffrigar iffriyar impindʒe kinta zilar zilar ingetsa krişer intʃindʒe grēdi gravi pikenu brevi ingust iftrējtu strimt podri ʷidōdu virmejʷu verdi verdi ki kind in ki		
<b>I</b>	026A	11
ɖɖi na:ris isendʒar		
<b>l</b>	026B	68
selve səl nuβuʃ zəl əlsa əlsar kuʷa flama atgū əl delyaðu kaʷ pʷe		
<b>ɲ</b>	0272	38
doɲa niɲo alimaɲa peɲa peɲə uɲa uɲe uɲe paɲfə entraɲa itreɲe etreɲe əntraɲə kamijɲu kemijɲu mōtaɲ montajɲa montajɲa mōtēɲe mōteɲe muntajɲə mōtaɲ montajɲe ɲot apo aɲ mənʒa maɲi: kopeseʷ kupiser koposi puɲar puɲɲare puɲa puɲi kemijɲak kemijɲar viɲi: estreɲir əstreɲə əmpɛɲə oɲɲi maɲo maɲɲo pekeɲo ɲu:f vizijɲu vizijɲu siɲestri		
<b>ɭ</b>	027B	91
kosaɭ		
<b>ɸ</b>	027E	28
embra fembra muxer muʷer ombre muxer muʷer mariðo maridu meriðu marit madre marə paðre parə paxaro pasəru pasəru pasəre serpiente sirpēti ʃarpe berme vermi verm aɸbol albero aʷvori arvuri abɾə par fruto frute frute frujt grano grēw grēw gra frōse frōse frunʒə kōrtisi korteθa kurtisə skɔartsə flor fjo:re flor flɔare jerba ɛɾvə jarbə grama grēmē grēmē gram rista karne karni karne sangre grasa grafe grafe gref kwerno kornu pər orexa oreʷə oreʷə ureʷə nariθ naris neriʃ gurə pjerna pɛɾnə bjentre bentrə entraɲa itreɲe etreɲe əntraɲə kor sqare estreja istrele iftrele mar mar pjeðra peðre		

## Appendix 3 - Words containing each segment

peðre peðrā pjatrā arena areje eʀeje ærenā sajbʀu sajbʀu treves treveʃ tænebrās ʃer estrada istrade iʃtraðe djurno zorn xornada nombre beber bere biþer bewrā komer kumer mandukar mandgare mēzar moðer murðer moskar morsikare sugar kuþþir eskupir esputar sputare respirar respirare ʀespirar ʀiþpirar ʀəspira reir rīdere ʀir riwrā ride ber vedere ver bewrā oir udire owvir saber sæber konoðer kuniser kwidar kuzitar pensar pensare pēsar sentir sētir oler ulura ʃejraʀ ʃejraʀ flajra temer timer tremer tremex trimer dormir durmir bibir viver biwrā morir muʀer muri anegar matar metar utʃidere pupar batir beter batrā kaðar kesar puxar puʃar segar siyar kortar kurtar taxar telar dibidir diðiðir ender fēder fendrā partir þertir separar separax siperar səpəra pūzic raer ʀeer rawrā rasar ʀezar raskar ʀeʃkar kusar kabar kevar eskabar iʃkevar nadar nwotare neðar nabegar neviyar bolar volare vwar zvolare zbura kaminar kamminare keminar andar ēdar benir venire vir ekstender iʃtēder æstendrā jaðer dʒaʃe:re zuzer zawrā ser ser sentar sētar sētar estar iʃtar iʃtar jebar livar alðar alsar tornar turnar xirar ɟirare zirar zirar zira birar virare virar zirar bira torðer kaer kadere keir keir tumar tōbar dar dar donar duar tener tenere ter segurar sigurax siyurar ekspremir əspremə serar səʀar ðerar siʀar siʀar apretar ʀpirtar ʀpirtar estreþir æstreþə fregar frəga iʃfrigar iʃfriyar frotar frisar frəsa laþar levar levar estarsir enxugar ɛʃugar ɛʃuyar limpjar lipar lipar tirar ʃira tirar tira puxar puʃar puʃar traze trezer trewrā eʃar zejtʀar zejtʀar lanðar lēsar arankar arunʃa legar atar etar etar koser kuzer kuzer kontar kōtar kōtar enumerar enumerar enumerar enumera numera deðir dizer dizer kantar kētar kētar ludir xugar zuyar flugtwar flutuar fluir flwir kolar kuar eskurir iʃkurer skurðe korer kuʀer kurðe elar zilar zilar aʀumentar aʀgmentar aʀgmentar inʃar iʃar iʃar entumeðer itumeser itumeser kreðer kreseʀ kriʃser kreʃə kreʃte kemar kejmare arder ərder arde flagrar flagrar enðender isendʒtar isēdjar ənsendrā otro owtru owtru altrā grande grēdʒi grēði mare larʒo largu lark graso grafu gras gordo grosu grosu grəs grabe gravi gravi grew grew leardo leardo korto korto kurt kurt brebe brēvi brēvi brew estreʃo iʃtrejtʀu iʃtrejtʀu əstret frio friu friu frət poðriðo puðrit poðre poðri poðri sordido sordidu sordidu ispurku iʃpurku ɟirejtʀu direjtʀu dret proximo prosimu prosimu proizme əprəp ðerka djestro destrʀu deʃtru destrā sinjestro seʃtru seʃtru roʃu bermexo virmejlu berde verdi verdi vert verde amarijo ɐmarelu ɐmærelu grək tres tres tref kwatro kwatru kwatru kwatrā

R 0280

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mer vjer fry reſen kɾo:ɟ ɔraj vi:r ɔr savø:r mɔri pɔ:rti ma:rʃi: ʃe:r sərar sere iʃkurer kɔri frwe

Б 0281

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muʀex muʀex maʀi meʀ peʀ seʀpā seʀpēʃi sjeʀpē veʀ veʀmi aʀbʀ aʀvori fʀiʀi gʀen ʀais ʀeʃ ʀadi ʀasin kəʃʃisi kəʃʃise ekoxs floʀx floʀx ɛʀb ɛʀvə gʀamen ʀeʃʃi ʀeʃti ʃeʀ kaʀni gʀes kəʀn kəʀnu oʀeʃ pəʀnə vātʀ dʒkaj kœʀ kœʀ ku:ʀ plu:ʀ ʀy ʀiw ʀiu ʀivʀek rivi:ʀ meʀ maʀ meʀ pʀeʀ pi:ʀ pudʀ teʀ teʀe teʀe te:ʀ teneʀbʀ si:ʀ sādʀ zʀuʀ zəʀna zəʀna zʀuʀne bʀwəʀ beʀeʀ bə:ʀ mēzax moʀdʀ moʀdex sugax kuspiʀ vomʀ ʀespirar ʀiþpirar ʀiʀ ʀiʀ ʀiʀ ʀi:ʀ vʀwax veʀ wiʀ owviʀ savʀwax sabex kənetʀ kəʀesex kuzitax pēsax sātʀ sēʃʃiʀ flēʀe ʃejraʀ temex kvēdʀ tremex dəʀmiʀ dəʀmiʀ dwaxmiʀ viʀvʀ viʀvex muʀiʀ moʀex muʀer matax əksʀ batʀ bateʀ kasax puʃax segax kəʀtʀ ekʀte taʀax ɟʀividʒʀ fādʀ fēdex ʀaktʀ ʀavʃʃiʀ səʀʀe sepaʀax ʀwēdʀ ʀūzʀ ʀæʀ ʀeer ʀaze ʀazax ʀezar ʀaʃkax ʀeʃkar fwʀ ʀevax iʃkeʀax nadaʀ naviʀax voʀx kemʀnax maʃʃe ēdax vənʀ viʀ etādʀ iʃtēdex zezʀ zezex swax seʀ etʀ leʀax tuʀne toʀnax zʀiʀe viʀe viʀe təʀdʀ ʃwax tōbax dʀx tənʀ teʀ sigʀrax eʀwēdʀ iʃpʀəʀex seʀa seʀe siʀax siʀax etʀēdʀ fʀeʃe fʀote fʀote tiʀe tʀex kudʀ enumeʀe nōbʀe diʀ di:ʀ zogaʀ flutʀax flwiʀ koʀx iʃkoʀex kuʀiʀ koʀex kuʀer kəʀwatʀ kreseʀ bʀyle bʀu:le kʀame kejməʀ aʀdʀ aʀdex flagʀe flagʀax otʀ gʀā gʀā lakʒ lakʒu gʀa gʀo gʀiʃef luʀ kuʀ kuʀtu ku:ʀ bʀef bʀef etʀwa stʀø: fʀwa ʀesēʃʃi ʀesēʃʃi dʀwa ʀō ʀedōdu ʀidōdu ʀʀe sənəstʀ ʀu ʀoʃʀ ʀoʃʀ veʀmeʃ veʀmeʀu ʀuz veʀ veʀ tʀwā katʀ

∫ 0283

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noʃ voʃ iʃpozə iʃpozu biʃʃa biʃe biʃe peʃʃe peʃʃi ʀeʃʃi pef peʃte ʃjē ʃarpe ʀeʃʃ ʀeʃʃi ʀeʃti ʃeʀ ɔʃ graʃe graʃe gʀeʃ ʃəʀvə ʃəʀvə teʃte neriʃ buʃ ʀaʀʃə iʃpadwə iʃpadwə iʃtrele ʃuʀvə ʃuʀvə seʃʃu seʃʃu treʀvəʃ siʀeʃ siʀeʃ ʃʃenuʃə iʃtraðe ʃəʀmē kuʃpiʀ ʀiþpirar ʃti konoʃʃere kunəʃə kunəʃte ʃejraʀ ʃejraʀ ʃase puʃax puʃar ʃindere ʀaʃkax ʀeʃkar ʃəʀvə iʃkeʀax iʃkeʀax ʃəʀmine maʃʃe iʃtēder ʃedəʀ iʃtar iʃtar alʃa: ʃwax iʃpʀəʀex iʃpʀəʀer əʃtriʒir əʃtriʒir iʃfrigar iʃfriyar ʃterdʒe aʃʃugare ɛʃugar ɛʃuyar əʃuga puʃar puʃar ʃāte iʃkoʀex iʃkurer iʃar iʃar kreʃʃere kriʃʃer kreʃə kreʃte ɛʃu ɛʃu graʃu iʃpesu iʃtrejtʀu ʃo ʃeʃu ʃeʃu iʃpurku deʃtru seʃtru seʃtru ʀoʃʀ ʀoʃʀ roʃʀ doʃʃ duʃʃ tref ʃi

ʃ 028A

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ʀoʃʀ

Λ 028E

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moʀlʀe muʀex muʀer muʀe moʀlʀe muʀex muʀer muʀe useʀ piolu pioʀu poʀl ʃəʀlʀa ʃəʀlʀe ʃəʀlʀe fuʀlʀe ʀeʀl kəʀeʀl ɔreʀlʀe ɔreʃlʀe ʀeʀlʀə ɔlu ɔlu zueʀlu zʀueʀlu zəʀnoʀl kəʀl əʀpaʀlʀə ʀuʀnə ʀak taʀlʀa:re taʀlʀax teʀlʀar təʀlʀa ʀəʀba ʀəʀba ʀəʀnsa ʀiʀya ʀoʀŋ

## Appendix 3 - Words containing each segment

lark leno vejlu velu vel lunta vermiλλo vεmεlu virmεjlu bεrmeλ ελa

3	0292	3
zə zə zāb zənu zueļu zweļu zənoλ pluza kalizēj kēlizēj zēl zēl zuκ zorn zəκna zəκna zuκne māze mēzak mēzar məpza kuzitaκ kuzitar pūziκ pūzir zygyļe naže zeziκ zezeκ zεzer zawrə ziκe zīrar zīrar zīra zīrar əftrīzīr əftrīzīr əstərzi zəte zejtar zejtar zwe zogak zuγar zuga zuka zəle zīlar zīlar zəla inʃindze lawz du:ze: vizē vuз zon		
j	029D	5
jo jerba kabejo kwejo estreja jubja jelo jaθer jebar amarijo aja		
dz	02A3	71
frondza dzornade		
ɖ	02A4	10
ɖɹ kodɖiε sindɖe ɖāp ɖinəkkjo ɖino ɖenoli ɖenunk <sup>l</sup> fedə pjoddɖa kalidɖine ɖelo ɖer ɖu: ɖorno ɖu: ɖornata mandɖare sudɖe kodɖitare kudɖeta ɖividɖiκ pundɖere pundɖe nedɖi: mεrdɖere mεrdɖe ɖaʃe:re ɖere ɖirare ɖira: ɖira: strindɖere strindɖe tεrdɖere ʃterɖe tradɖe impindɖere impindɖe ɖettare ɖete ɖokare ɖuwe ɖuja: skurdɖe kurdɖe ɖelare ɖale isendɖiar grēdɖi ɖirejtu nedɖu nedɖu rudɖe ɖen		
ts	02A6	52
sots skortsə skwartse skɔartsə tseastə pantse tsarə geatsə simtsi altsare tsine ingetsa putsin subtsire retsint		
ʃ	02A7	46
ifēʃi soʃo utʃello utʃel ʃē seɾpēʃi semēʃi semēʃe səminʃə radi:ʃe rədəʃinə kortiʃe kəʃʃisi kortettʃa kəʃʃise ʃeʃʃi ʃo: ʃivja ʃes naritʃe dēʃi pittʃolo piʃjor pantʃa pintetʃe peʃo ʃeəʃə ʃelo ʃi:l ʃer gjattʃa glatʃe ʃenere ʃinize ʃenuʃə mōʃi notʃe sēʃiκ maʃa: utʃidere utʃide katʃare ʃesi: caʃa: paʃʃiκ ʃimine ma:ʃʃi: ɖaʃʃe:re zəʃeə tortʃere tɔartʃe ʃe:r ʃjade ʃira eʃar lanʃare lanʃa: arrontʃare kuʃʃire ziʃe ʃāte gjattʃare glatʃa: inʃar bruʃare inʃendjare inʃindze muʃo anʃo pittʃino pitʃul estretʃo suʃiw suʃiw ʃō reʃente ʃesēʃi ʃesēʃi reʃe seʃ viʃino viʃin veʃin rəʃ krotʃeo ʃiŋkwe 'ʃiŋk ʃintʃ ʃine ʃe ʃe ʃemu:t		
β	03B2	67
arβol keβelu kaβeθa keβese sajβru sajβru nuβuʃ biβer səβe laβar nweβo		
θ	03B8	58
peθ raiθ korteθa kaβeθa nariθ peθiolo panθa θjelo θeniθa konoθer kaθar jaθer alθar torθer θerar lanθar deθir entumeθer kreθer enθender reθjente beθino θerka θinko		
ẽ	1EBD	64
ʃē seɾpēʃi siɾpēti sjeɾpē semēʃi simēti simēs vivēda vivēde dēʃi dēti dē mē mē ētreɾe sē vētu vētu vē pēsəκ pēsar sēʃiκ sētir kēdēκ fēdēκ fēder istēdēκ iʃtēder sētār sētār ēʃugar ēʃuγar ēʃle isēdjār ʃesēʃi ʃesēʃi plē vizē sēk sēk nē		

## Appendix 4 - Word Lists by Language

### Latin

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

## Appendix 4 - Word Lists by Language

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

## Appendix 4 - Word Lists by Language

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

## Appendix 4 - Word Lists by Language

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



## Appendix 4 - Word Lists by Language

ToThrow-Lanceare	lancea:re	l-ah-n-k-ay-A-r-ay
ToThrow-Eruncare	e:runka:re	ai-r-u-n-k-A-r-ay
ToTie	liga:re	l-e-g-A-r-ay
ToTie-Aptare	apta:re	ah-p-t-A-r-ay
ToSew	ko:nsuere	k-O-n-s-u-ay-r-ay
ToCount	komputa:re	k-oh-m-p-u-t-A-r-ay
ToCount-Enumerare	e:numera:re	ai-n-u-m-ay-r-A-r-ay
ToCount-Numerare	numera:re	n-u-m-ay-r-A-r-ay
ToSay	di:kere	d-E-k-ay-r-ay
ToSay-Exponere	eksponere	ay-k-s-p-O-n-ay-r-ay
ToSing-AncestralClass	kanta:re	k-ah-n-t-A-r-ay
ToPlay-Ludere	lu:dere	l-U-d-ay-r-ay
ToPlay-Jiocare	joka:re	jg-oh-k-A-r-ay
ToFloat	flu:ktua:re	f-l-U-k-t-u-A-r-ay
ToFloat-Flutare	fluita:re	f-l-u-e-t-A-r-ay
ToFlow	fluere	f-l-u-ay-r-ay
ToFlow-Colare	ko:la:re	k-O-l-A-r-ay
ToFlow-Excurrere	ekscurrere	ay-k-s-k-u-r-r-ay-r-ay
ToFlow-Currere	kurrere	k-u-r-r-ay-r-ay
ToFreeze	gela:re	g-ay-l-A-r-ay
ToFreeze-Glaciare	glakia:re	g-l-ah-k-e-A-r-ay
ToFreeze-Inglaciare	inglakia:re	e-n-g-l-ah-k-e-A-r-ay
ToSwell	augmenta:re	au-g-m-ay-n-t-A-r-ay
ToSwell-Inflare	infla:re	e-n-f-l-A-r-ay
ToSwell-Conflare	konfla:re	k-oh-n-f-l-A-r-ay
ToSwell-Intumescere	intume:skere	e-n-t-u-m-ai-s-k-ay-r-ay
ToSwell-Crescere	kre:ske:re	k-r-ai-s-k-ai-r-ay
ToBurn-Cremare	krema:re	k-r-ay-m-A-r-ay
ToBurn-Flammare	flamma:re	f-l-ah-m-m-A-r-ay
ToBurn-Ardere	arde:re	ah-r-d-ai-r-ay
ToBurn-Flagrare	flagra:re	f-l-ah-g-r-A-r-ay
ToBurn-Incendere	inkendere	e-n-k-ay-n-d-ay-r-ay
ToBurn-AncestralClass8	ustula:re	u-s-t-u-l-A-r-ay
All	omne:s	oh-m-n-ai-s
All-Totus	to:tus	t-O-t-u-s
Many	multus	m-u-l-t-u-s
Many-Tantus	tantus	t-ah-n-t-u-s
Few	paukus	p-au-k-u-s
Other	alter	ah-l-t-ay-r
Other-Alius	alius	ah-l-e-u-s
Big	magnus	m-ah-g-n-u-s
Big-Grandem	grandem	g-r-ah-n-d-ay-m
Big-Majjorem	majjo:rem	m-aj-jg-O-r-ay-m
Long-Longum	longus	l-oh-n-g-u-s
Long-Largum	largus	l-ah-r-g-u-s
Wide	la:tus	l-A-t-u-s
Wide-Amplum	amplus	ah-m-p-l-u-s
Thick	krassus	k-r-ah-s-s-u-s
Thick-Spissum	spissus	s-p-e-s-s-u-s
Thick-Gurdum	gurdus	g-u-r-d-u-s
Thick-Grossum	grossus	g-r-oh-s-s-u-s
Heavy	grawis	g-r-ah-w-e-s
Heavy-Lurdus	lurdus	l-u-r-d-u-s
Small	pittitus	p-e-t-t-e-t-u-s
Small-Pittinus	'pittinus	p-e-t-t-e-n-u-s
Small-Pitulus	pitulus	p-e-t-u-l-u-s
Short	kurtus	k-u-r-t-u-s

## Appendix 4 - Word Lists by Language

Short-Brevis	brewis	b-r-ay-w-e-s
Narrow	angustus	ah-n-g-u-s-t-u-s
Narrow-Strictus	striktus	s-t-r-e-k-t-u-s
Thin	minu:tus	m-e-n-U-t-u-s
Thin-Delicatus	de:lika:tus	d-ai-l-e-k-A-t-u-s
Thin-Subtilis	subti:lem	s-u-b-t-E-l-ay-m
Warm	kalidus	k-ah-l-e-d-u-s
Cold	fri:gidus	f-r-E-g-e-d-u-s
Cold-Recens	rekentem	r-ay-k-ay-n-t-ay-m
Full	ple:nus	p-l-ai-n-u-s
New	nowus	n-oh-w-u-s
Old	wetulus	w-ay-t-u-l-u-s
Good	bonus	b-oh-n-u-s
Bad	malus	m-ah-l-u-s
Rotten	putridus	p-u-t-r-e-d-u-s
Rotten-Putrem	putrem	p-u-t-r-ay-m
Dirty	sordidus	s-oh-r-d-e-d-u-s
Dirty-Spurcus	spurcus	s-p-u-r-tya-u-s
Straight	di:re:ktus	d-E-r-ai-k-t-u-s
Round	rotundus	r-oh-t-u-n-d-u-s
SharpAsAKnife	aku:tus	ah-k-U-t-u-s
DullAsAKnife	hebetem	h-ay-b-ay-t-ay-m
DullAsAKnife-Retusus	retu:sus	r-ay-t-U-s-u-s
Smooth	sua:wem	s-u-A-w-ay-m
Smooth-Nitidus	nitidus	n-e-t-e-d-u-s
Wet	u:midus	U-m-e-d-u-s
Wet-Udus	u:dus	U-d-u-s
Dry	sikkus	s-e-k-k-u-s
Correct	korre:ktus	k-oh-r-r-ai-k-t-u-s
Near	proksimus	p-r-oh-k-s-e-m-u-s
Near-AdPrope	adpropre	ah-d-p-r-oh-p-r-ay
Near-Pressus	pressus	p-r-ay-s-s-u-s
Near-Vicinus	wi:ki:nus	w-E-k-E-n-u-s
Near-Circa	kirka	k-e-r-k-ah
Right-Dextrem	dekstrum	d-ay-k-s-t-r-u-m
Left	sinistrum	s-e-n-e-s-t-r-u-m
Red	russus	r-u-s-s-u-s
Red-Vermiculus	vermikulus	v-ay-r-m-e-k-u-l-u-s
Red-Rubeus	rubeus	r-u-b-ay-u-s
Green	wiridem	w-e-r-e-d-ay-m
Yellow	galbinus	g-ah-l-b-e-n-u-s
Yellow-Amarellus	amarellus	ah-m-ah-r-ay-l-l-u-s
Yellow-Croceus	krokeus	k-r-oh-k-ay-u-s
White	albus	ah-l-b-u-s
One	u:num	U-n-u-m
Two-Duos	duo:s	d-u-O-s
Two-Duae	duaj	d-u-aj
Two-Duas	duas	d-u-ah-s
Three	tre:s	t-r-ai-s
Four	k <sup>w</sup> attwor	kw-ah-t-t-w-oh-r
Five	k <sup>w</sup> i:nk <sup>w</sup> e	kw-E-n-kw-ay
Here	ekkumhi:k	ay-k-k-u-m-h-E-k
There	illa:k	e-l-l-A-k
There-Ibi	ibi:	e-b-E
Who-Qui	k <sup>w</sup> is	kw-e-s
Who-Quem	k <sup>w</sup> em	kw-ay-m
What	k <sup>w</sup> id	kw-e-d

## Appendix 4 - Word Lists by Language

When-Quando	k <sup>w</sup> ando:	kw-ah-n-d-O
How-Quomodo	k <sup>w</sup> o:modo	kw-O-m-oh-d-oh
Not	no:n	n-O-n
Not-Nec	nek	n-ay-k
At	ad	ah-d
In-In	in	e-n
In-Deintus	deintus	d-ay-e-n-t-u-s
With-Cum	kum	k-u-m
With-Abhoc	abhoc	ah-b-h-oh-tya
And-Et	et	ay-t
And-Si	si:k	s-E-k
Because-Quod	k <sup>w</sup> od	kw-oh-d

## French

Cognate	IPA	Sounds
I	ʒə	gzah-aah
We	nu	n-u
YouPlural	vu	v-u
YouSingular	ty	t-eeh
Woman	fam	f-ah-m
Woman-Domina	dam	d-ah-m
ManHumanBeing	ɔm	euh-m
ManHumanBeing-Homo	õ	oon
Child	ãfã	NasalA-f-NasalA
Wife	epuz	ay-p-u-zz
Husband	maʁi	m-ah-rr-e
Husband-Sponsus	epu	ay-p-u
Mother	meʁ	m-ay-rr
Father	peʁ	p-ay-rr
Animal	omaj	oh-m-ah-jg
Fish-Pescion	pwasõ	p-w-ah-s-on
Bird-Avicellum	wazo	w-ah-zz-oh
Dog	ʃjẽ	shh-jg-ehnn
Louse	pu	p-u
Snake	seʁpã	s-ay-rr-p-NasalA
Worm	veʁ	v-ay-rr
Tree	akbɛ	ah-rr-b-rr
Stick	pal	p-ah-l
Fruit	fʁɥi	f-rr-eu-e
Seed-Sementis	səmãs	s-aah-m-NasalA-s
Seed-Granum	gʁɛn	g-rr-eh-n
Leaf	fœj	f-uuh-jg
Root-Radix	ʁadi	rr-ah-d-e
Root-Radicina	ʁasin	rr-ah-s-e-n
BarkOfATree-Skortea	ekoʁs	ay-k-oh-rr-s
Flower	flœʁ	f-l-uuh-rr
Grass	ɛʁb	eh-rr-b
Grass-Gramen	gʁamɛn	g-rr-ah-m-eh-n
Skin	kwan	k-w-ah-n
Skin-Pellis	po	p-oh
Meat	ʃɛʁ	shh-eh-rr
Meat-Vivenda	vʝãd	v-jg-NasalA-d
Blood	sã	s-NasalA
Bone	ɔs	euh-s
FatNoun-Crassia	gʁɛs	g-rr-eh-s

## Appendix 4 - Word Lists by Language

Egg	œf	uuh-f
Horn	kœn	k-euh-rr-n
Tail	kø	k-uu
Feather	plym	p-l-eeh-m
Feather-Penna	pen	p-eh-n
Hair	pwal	p-w-ah-l
Hair-Capillus	ʃəvø	shh-aah-v-uu
Head	ʃəvɛ	shh-aah-v-eh
Head-Testa	tæt	t-eh-t
Ear	oœej	oh-rr-ayj
Eye	œj	uuh-jg
Nose	ne	n-ay
Mouth	buʃ	b-u-shh
Mouth-Gula	gœl	g-uuh-l
Tooth	dã	d-NasalA
Fingernail	ōgl	on-g-l
Foot	pje	p-jg-ay
Leg-Gamba	zãb	gzah-NasalA-b
Knee-Geniculum	zœnu	gzah-aah-n-u
Hand	mẽ	m-ehn
Wing	el	ay-l
Belly	vãtœ	v-NasalA-t-rr
Belly-Pantex	pãs	p-NasalA-s
Guts	ãtœaj	NasalA-t-rr-ah-jg
Neck	ku	k-u
Back	do	d-oh
Back-Spatula	epol	ay-p-oh-l
Breast	sẽ	s-ehn
Breast-Pectus	pi	p-e
Heart	kœœ	k-uuh-rr
Heart-Anima	am	a-m
Liver	fwa	f-w-a
Sun-Soliculus	sœlej	s-euh-l-ehj
Moon	lyn	l-eeh-n
Star	etwal	ay-t-w-ah-l
Water	o	oh
Rain	plqi	p-l-eu-e
River-Rivus	œy	rr-eeh
River-Riparia	œivjœœ	rr-e-v-jg-ay-rr
Lake	lak	l-ah-k
Sea	mœœ	m-eh-rr
Salt	sel	s-eh-l
Stone-Petra	pjœœ	p-jg-ay-rr
Sand-Sabulum	sabl	s-ah-b-l
Dust	pudœ	p-u-d-rr
Earth	tœœ	t-ay-rr
Cloud	ny	n-eeh
Fog-Nebula	njoly	n-jg-euh-l-eeh
Fog-Tenebras	tenebœ	t-ay-n-eh-b-rr
Fog-Fumata	fyme	f-eeh-m-ay
Sky	sjel	s-jg-eh-l
Wind	vã	v-NasalA
Ice	zel	gzah-eh-l
Ice-Glacies	glas	g-l-ah-s
Fire-Focus	fœ	f-uu
Ash	sãdœ	s-NasalA-d-rr
Road	vwa	v-w-ah

## Appendix 4 - Word Lists by Language

Road-Camminus	ʃəmẽ	shh-aah-m-ehnn
Mountain	mō	m-oon
Mountain-Montanea	mōtəp	m-on-t-ah-VdPalatalNasal
Night	nɔ̃i	n-eu-e
Day-Diurnus	ʒuɐ	gzah-u-rr
Day-Diurnata	ʒuɐne	gzah-u-rr-n-ay
Year	a	NasalA
Name-Nomen	nō	n-oon
Tongue	lāg	l-NasalA-g
ToDrink	bwaɐ	b-w-a-rr
ToEat-Manducare	māze	m-NasalA-gzah-ay
ToBite	moɐdɐ	m-oh-rr-d-rr
ToSuck	syse	s-eeh-s-ay
ToSpit	kōspye	k-oon-s-p-eeh-ay
ToVomit	vomiɐ	v-oh-m-e-rr
ToBlow	sufle	s-u-f-l-ay
ToLaugh	ɐiɐ	rr-e-rr
ToSee	vwaɐ	v-w-ah-rr
ToHear	wiɐ	w-e-rr
ToKnow-Sapere	savwaɐ	s-ah-v-w-ah-rr
ToKnow-Cognoscere	kōnɐtɐ	k-euh-n-eh-t-rr
ToThink	kɔ̃ide	k-eu-e-d-ay
ToThink-Pensare	pāse	p-NasalA-s-ay
ToSmell-Sentire	sātɐ	s-NasalA-t-e-rr
ToSmell-Fragrare	flɐɐ	f-l-eh-rr-ay
ToFear-Tremere	kɐɐdɐ	k-rr-ehn-d-rr
ToSleep	dōɐmiɐ	d-euh-rr-m-e-rr
ToLive	vivɐ	v-e-v-rr
ToDie	muɐiɐ	m-u-rr-e-rr
ToKill	nwaɐe	n-w-aj-ay
ToKill-Tutari	tɔ̃e	t-eu-ay
ToKill-Mactare	mate	m-ah-t-ay
ToKill-Occidere	ōksiɐ	euh-k-s-e-rr
ToFight-Battuere	batɐ	b-ah-t-rr
ToHunt-Captiare	ʃase	shh-ah-s-ay
ToHit	puse	p-u-s-ay
ToCut	sje	s-jg-ay
ToCut-Excurtare	ekuɐte	ay-k-u-rr-t-ay
ToCut-Taliare	taje	t-a-jg-ay
ToSplit-Scindere	sēde	s-ehnn-d-ay
ToSplit-Findere	fādɐ	f-NasalA-d-rr
ToSplit-Partire	paktɐ	p-ah-rr-t-e-rr
ToSplit-Separare	sōvɐe	s-aah-v-rr-ay
ToStab	pweɐdɐ	p-w-ehnn-d-rr
ToStab-Iugulare	zygyle	gzah-eeh-g-eeh-l-ay
ToScratch-Rasare	ɐaze	rr-a-zz-ay
ToDig	fwɐ	f-w-e-rr
ToDig-Cavare	ʃove	shh-aah-v-ay
ToSwim-Navigare	naɐe	n-ah-gzah-ay
ToFly	vole	v-oh-l-ay
ToWalk	ʃəmine	shh-aah-m-e-n-ay
ToWalk-Marcher	maɐʃe	m-ah-rr-shh-ay
ToCome	vōniɐ	v-aah-n-e-rr
ToLieAsInABed	etādɐ	ay-t-NasalA-d-rr
ToLieAsInABed-lacere	zeziɐ	gzah-ay-zz-e-rr
ToSit	swaɐ	s-w-ah-rr
ToStand	etɐ	eh-t-rr

## Appendix 4 - Word Lists by Language

ToStand-Levare	løve	l-aah-v-ay
ToStand-Altiare	ose	oh-s-ay
ToTurnIntransitive	tũrne	t-u-rr-n-ay
ToTurnIntransitive-Gyrare	zĩke	gzah-e-rr-ay
ToTurnIntransitive-AncestralClass3	vĩke	v-e-rr-ay
ToTurnIntransitive-Torquere	tũrdũ	t-euh-rr-d-rr
ToFall	fwax	shh-w-ah-rr
ToFall-Tumbare	tũbe	t-on-b-ay
ToGive-Donare	dũne	d-euh-n-ay
ToHold	tũnik	t-aah-n-e-rr
ToSqueeze	epũedũ	ay-p-rr-ehnn-d-rr
ToSqueeze-Serare	seke	s-ay-rr-ay
ToSqueeze-Stringere	etũẽdũ	ay-t-rr-ehnn-d-rr
ToRub	fũeje	f-rr-ehj-ay
ToRub-Frictare	fũote	f-rr-oh-t-ay
ToWash	lave	l-ah-v-ay
ToWipe-Exsucare	esũije	ay-s-eu-e-jg-ay
ToPull	tũke	t-e-rr-ay
ToPull-Pulsare	puse	p-u-s-ay
ToPull-Trahare	tũek	t-rr-eh-rr
ToThrow	zũte	gzah-aah-t-ay
ToThrow-Lanceare	lũse	l-NasalA-s-ay
ToTie	lie	l-e-ay
ToSew	kudũ	k-u-d-rr
ToCount	kũte	k-on-t-ay
ToCount-Enumerare	enumẽke	ay-n-u-m-ay-rr-ay
ToCount-Numerare	nũbũke	n-on-b-rr-ay
ToSay	dũk	d-e-rr
ToSing-AncestralClass	ũate	shh-NasalA-t-ay
ToPlay-Jiocare	zũe	gzah-w-ay
ToFloat	flyktũe	f-l-eeh-k-t-eu-ay
ToFlow	flye	f-l-eeh-ay
ToFlow-Colare	kule	k-u-l-ay
ToFlow-Currere	kũkũk	k-u-rr-e-rr
ToFreeze	zũle	gzah-aah-l-ay
ToFreeze-Glaciare	glase	g-l-ah-s-ay
ToSwell	ogmũate	oh-g-m-NasalA-t-ay
ToSwell-Inflare	ũfle	NasalA-f-l-ay
ToSwell-Conflare	gũfle	g-on-f-l-ay
ToSwell-Crescere	kũwatũ	k-rr-w-ah-t-rr
ToBurn-Brojan	bũyle	b-rr-eeh-l-ay
ToBurn-Cremare	kũame	k-rr-ah-m-ay
ToBurn-Flammare	flame	f-l-ah-m-ay
ToBurn-Ardere	akũk	ah-rr-d-rr
ToBurn-Flagrare	flagũke	f-l-ah-g-rr-ay
ToBurn-Incendere	ẽsũdũje	ehnn-s-NasalA-d-jg-ay
All-Totus	tu	t-u
Many	mu	m-u
Some	okũẽ	oh-k-uuhn
Few	pũ	p-uu
Other	otũ	oh-t-rr
Big-Grandem	gũũ	g-rr-NasalA
Long-Longum	lũ	l-on
Long-Largum	lakũ	l-ah-rr-gzah
Wide	le	l-ay
Wide-Amplum	ũpl	NasalA-p-l
Thick	gũũ	g-rr-a

## Appendix 4 - Word Lists by Language

Thick-Spissum	epe	ay-p-ay
Thick-Grossum	gɤo	g-rr-oh
Heavy	gɤijef	g-rr-e-jg-eh-f
Heavy-Lurdus	luɤ	l-u-rr
Small	pəti	p-aah-t-e
Short	kuɤ	k-u-rr
Short-Brevis	bɤef	b-rr-eh-f
Narrow-Strictus	etɤwa	ay-t-rr-w-ah
Thin	məny	m-aah-n-eeh
Thin-Delicatus	du:ʒe:	d-U-gzah-ai
Warm	ʃo	shh-oh
Cold	fɤwa	f-rr-w-ah
Full	plɛ	p-l-ehnn
New	nuvo	n-u-v-oh
Old	vjə	v-jg-uu
Good	bō	b-on
Bad	mal	m-ah-l
Straight	dɤwa	d-rr-w-ah
Round	ɤō	rr-on
Smooth-Nitidus	net	n-eh-t
Dry	sɛk	s-eh-k
Near-Pressus	pɤe	p-rr-ay
Near-Vicinus	vwazɛ	v-w-ah-zz-ehnn
Near-Circa	θerka	th-ay-er-k-ah
Far	lwetɛ	l-w-ehnn-t-ehnn
Left	sənɛstɤ	s-aah-n-eh-s-t-rr
Red	ɤu	rr-u
Red-Vermiculus	vɛɤmɛj	v-eh-rr-m-ehj
Red-Rubeus	ɤuʒ	rr-u-gzah
Green	vɛɤ	v-ay-rr
Yellow	ʒon	gzah-oh-n
One	œ	uuhn
Two-Duos	dø	d-uu
Three	tɤwa	t-rr-w-a
Four	katɤ	k-ah-t-rr
Five	sɛk	s-ehn-k
Here	isi	e-s-e
There	la	l-ah
Who-Qui	ki	k-e
What	kwa	k-w-ah
When-Quando	kã	k-NasalA
How-Quomodo	kɔmã	k-euh-m-NasalA
Not	nō	n-oon
Not-Nec	ni	n-e
At	a	ah
In-Deintus	dã	d-NasalA
With-Abhoc	avek	ah-v-ay-k
And-Et	e	ay
And-Si	si	s-e
Because-Quod	kə	k-aah

## Spanish

Cognate	IPA	Sounds
I	jo	VdPalatalFricative-oh
We	nos	n-oh-s

## Appendix 4 - Word Lists by Language

YouPlural	bos	b-oh-s
YouSingular	tu	t-u
YouSingular-VostramMercedem	usted	u-s-t-ay-d
Woman	embra	ay-m-b-er-ah
Woman-Mulier	muxer	m-u-xha-ay-er
Woman-Domina	dopa	d-oh-VdPalatalNasal-ah
ManHumanBeing	ombre	oh-m-b-er-ay
Child	infante	e-n-f-ah-n-t-ay
Child-Ninnus	nijo	n-e-VdPalatalNasal-oh
Wife	esposa	ay-s-p-oh-s-ah
Wife-Mulier	muxer	m-u-xha-ay-er
Husband	mariðo	m-ah-er-e-dd-oh
Husband-Sponsus	esposo	ay-s-p-oh-s-oh
Mother	maðre	m-ah-dd-er-ay
Father	paðre	p-ah-dd-er-ay
Father-Tata	tata	t-ah-t-ah
Animal	alimapa	ah-l-e-m-ah-VdPalatalNasal-ah
Fish-Piskem	peθ	p-ay-th
Bird-Avem	abe	ah-b-ay
Bird-Passerem	paxaro	p-ah-xha-ah-er-oh
Dog	kan	k-ah-n
Louse	pjoxo	p-jg-oh-xha-oh
Snake	serpjente	s-ay-er-p-jg-ay-n-t-ay
Worm	berme	b-ay-er-m-ay
Tree	arβol	ah-er-bb-oh-l
Forest	selba	s-ay-l-b-ah
Stick	palo	p-ah-l-oh
Fruit	fruto	f-er-u-t-oh
Seed-Sementis	simjente	s-e-m-jg-ay-n-t-ay
Seed-Granum	grano	g-er-ah-n-oh
Leaf	oxa	oh-xha-ah
Root	raiθ	r-ah-e-th
BarkOfATree-Corticea	korteθa	k-oh-er-t-ay-th-ah
Flower	flor	f-l-oh-er
Grass	jerba	VdPalatalFricative-ay-er-b-ah
Grass-Gramen	grama	g-er-ah-m-ah
Rope-Restis	rista	er-e-s-t-ah
Skin-Pellis	pjel	p-jg-ay-l
Meat	karne	k-ah-er-n-ay
Meat-Vivenda	bibjenda	b-e-b-jg-ay-n-d-ah
Blood	sangre	s-ah-nya-g-er-ay
Bone	weso	w-ay-s-oh
FatNoun-Crassia	grasa	g-er-ah-s-ah
Egg	webo	w-ay-b-oh
Horn	kwerno	k-w-ay-er-n-oh
Tail	kola	k-oh-l-ah
Feather	pluma	p-l-u-m-ah
Feather-Penna	peja	p-ay-VdPalatalNasal-ah
Hair	pelo	p-ay-l-oh
Hair-Capillus	kabejo	k-ah-b-ay-VdPalatalFricative-oh
Head	kaβeθa	k-ah-bb-ay-th-ah
Ear	orexa	oh-er-ay-xha-ah
Eye	oxo	oh-xha-oh
Nose	naso	n-ah-s-oh
Nose-Nares	nariθ	n-ah-er-e-th
Mouth	boka	b-oh-k-ah
Mouth-Gula	gola	g-oh-l-ah



## Appendix 4 - Word Lists by Language

Tooth	djente	d-jg-ay-n-t-ay
Fingernail	upa	u-VdPalatalNasal-ah
Foot	pje	p-jg-ay
Leg-Gamba	gamba	g-ah-m-b-ah
Leg-Perna	pjerma	p-jg-ay-er-n-ah
Leg-Petiolus	peθiolo	p-ay-th-e-oh-l-oh
Knee-Geniculum	inoxo	e-n-oh-xha-oh
Hand	mano	m-ah-n-oh
Wing	ala	ah-l-ah
Belly	bjentre	b-jg-ay-n-t-er-ay
Belly-Pantex	panθa	p-ah-n-th-ah
Guts	entraņa	ay-n-t-er-ah-VdPalatalNasal-ah
Neck	kwejo	k-w-ay-VdPalatalFricative-oh
Back-Spatula	espalda	ay-s-p-ah-l-d-ah
Breast	seno	s-ay-n-oh
Breast-Pectus	peŋo	p-ay-ts-oh
Heart-Anima	alma	ah-l-m-ah
Liver	iyađo	e-juh-ah-dd-oh
Sun	sol	s-oh-l
Moon	luna	l-u-n-ah
Star	estreja	ay-s-t-er-ay-VdPalatalFricative-ah
Water	aywa	ah-juh-w-ah
Rain	jubja	VdPalatalFricative-u-b-jg-ah
River-Rivus	rio	r-e-oh
Lake	lago	l-ah-g-oh
Sea	mar	m-ah-er
Salt	sal	s-ah-l
Stone-Petra	pjeđra	p-jg-ay-dd-er-ah
Stone-Lapidem	laude	l-ah-u-d-ay
Sand	arena	ah-er-ay-n-ah
Dust-Pulwus	polbo	p-oh-l-b-oh
Earth	tjera	t-jg-ay-r-ah
Cloud	nube	n-u-b-ay
Cloud-Secondary	nublo	n-u-b-l-oh
Fog	kalina	k-ah-l-e-n-ah
Fog-Nebula	njebla	n-jg-ay-b-l-ah
Fog-Tenebras	tinjeblas	t-e-n-jg-ay-b-l-ah-s
Fog-Fumata	fumata	f-u-m-ah-t-ah
Sky	θjelo	th-jg-ay-l-oh
Wind	bjento	b-jg-ay-n-t-oh
Snow	njebe	n-jg-ay-b-ay
Ice	jelo	VdPalatalFricative-ay-l-oh
Smoke	umo	u-m-oh
Fire-Focus	fwego	f-w-ay-g-oh
Ash-Cinisia	θeniθa	th-ay-n-e-th-ah
Road	bia	b-e-ah
Road-Strata	estrada	ay-s-t-er-ah-d-ah
Road-Camminus	kamino	k-ah-m-e-n-oh
Mountain	monte	m-oh-n-t-ay
Mountain-Montanea	montaņa	m-oh-n-t-ah-VdPalatalNasal-ah
Night	noŋe	n-oh-ts-ay
Day	dia	d-e-ah
Day-Diurnus	djurno	d-jg-u-er-n-oh
Day-Diurnata	xornada	xha-oh-er-n-ah-d-ah
Year	apo	ah-VdPalatalNasal-oh
Name-Nominem	nombre	n-oh-m-b-er-ay
Tongue	leŋgwa	l-ay-nya-g-w-ah

## Appendix 4 - Word Lists by Language

ToDrink	beber	b-ay-b-ay-er
ToEat	komer	k-oh-m-ay-er
ToEat-Manducare	mandukar	m-ah-n-d-u-k-ah-er
ToBite	morðer	m-oh-er-dd-ay-er
ToBite-Morsicare	moskar	m-oh-s-k-ah-er
ToSpit-Exconspuere	eskupir	ay-s-k-u-p-e-er
ToSpit-Sputare	esputar	ay-s-p-u-t-ah-er
ToBreathe	respirar	r-ay-s-p-e-er-ah-er
ToLaugh	reir	r-ay-e-er
ToSee	ber	b-ay-er
ToHear	oir	oh-e-er
ToKnow-Sapere	saber	s-ah-b-ay-er
ToKnow-Cognoscere	konoθer	k-oh-n-oh-th-ay-er
ToThink	kwidar	k-w-e-d-ah-er
ToThink-Pensare	pensar	p-ay-n-s-ah-er
ToSmell-Sentire	sentir	s-ay-n-t-e-er
ToSmell-Olere	oler	oh-l-ay-er
ToFear	temer	t-ay-m-ay-er
ToFear-Tremere	tremar	t-er-ay-m-ay-er
ToSleep	dormir	d-oh-er-m-e-er
ToLive	bibir	b-e-b-e-er
ToDie	morir	m-oh-er-e-er
ToKill-Adnecare	anegar	ah-n-ay-g-ah-er
ToKill-Mactare	matar	m-ah-t-ah-er
ToFight	pupar	p-u-VdPalatalNasal-ah-er
ToFight-Battuere	batir	b-ah-t-e-er
ToHunt-Captiare	kaθar	k-ah-th-ah-er
ToHit	puxar	p-u-xha-ah-er
ToCut	segar	s-ay-g-ah-er
ToCut-Curtare	kortar	k-oh-er-t-ah-er
ToCut-Taliare	taxar	t-ah-xha-ah-er
ToSplit	dibidir	d-e-b-e-d-e-er
ToSplit-Findere	ender	ay-n-d-ay-er
ToSplit-Partire	partir	p-ah-er-t-e-er
ToSplit-Separare	separar	s-ay-p-ah-er-ah-er
ToScratch	raer	r-ah-ay-er
ToScratch-Rasare	rasar	r-ah-s-ah-er
ToScratch-Rasicare	raskar	r-ah-s-k-ah-er
ToDig-Cavare	kabar	k-ah-b-ah-er
ToDig-Excavare	eskabar	ay-s-k-ah-b-ah-er
ToSwim	nadar	n-ah-d-ah-er
ToSwim-Navigare	nabegar	n-ah-b-ay-g-ah-er
ToFly	bolar	b-oh-l-ah-er
ToWalk	kaminar	k-ah-m-e-n-ah-er
ToWalk-Ambitare	andar	ah-n-d-ah-er
ToCome	benir	b-ay-n-e-er
ToLieAsInABed	ekstender	ay-k-s-t-ay-n-d-ay-er
ToLieAsInABed-lacere	jaθer	VdPalatalFricative-ah-th-ay-er
ToSit	ser	s-ay-er
ToSit-Sedentare	sentar	s-ay-n-t-ah-er
ToStand	estar	ay-s-t-ah-er
ToStand-Levare	jebar	VdPalatalFricative-ay-b-ah-er
ToStand-Altiare	alθar	ah-l-th-ah-er
ToTurnIntransitive	tornar	t-oh-er-n-ah-er
ToTurnIntransitive-Gyrate	xirar	xha-e-er-ah-er
ToTurnIntransitive-AncestralClass3	birar	b-e-er-ah-er
ToTurnIntransitive-Torquere	torθer	t-oh-er-th-ay-er

## Appendix 4 - Word Lists by Language

ToFall	kaer	k-ah-ay-er
ToFall-Tumbare	tumbar	t-u-m-b-ah-er
ToGive	dar	d-ah-er
ToGive-Donare	donar	d-oh-n-ah-er
ToHold	tener	t-ay-n-ay-er
ToHold-Segurar	segurar	s-ay-g-u-er-ah-er
ToSqueeze	ekspremir	ay-k-s-p-er-ay-m-e-er
ToSqueeze-Serrere	serir	s-ay-r-ah-er
ToSqueeze-Serare	θerar	th-ay-r-ah-er
ToSqueeze-Appetorare	apretar	ah-p-er-ay-t-ah-er
ToSqueeze-Stringere	estreñir	ay-s-t-er-ay-VdPalatalNasal-e-er
ToRub	fregar	f-er-ay-g-ah-er
ToRub-Frictare	frotar	f-er-oh-t-ah-er
ToRub-Frictiare	frisar	f-r-e-s-ah-er
ToWash	laßar	l-ah-bb-ah-er
ToWipe-Extergere	estarsir	ay-s-t-ah-er-s-e-er
ToWipe-Exsucare	enxugar	ay-n-xha-u-g-ah-er
ToWipe-Limpidare	limpiar	l-e-m-p-jg-ah-er
ToPull	tirar	t-e-er-ah-er
ToPull-Pulsare	puxar	p-u-xha-ah-er
ToThrow	eñar	ay-ts-ah-er
ToThrow-Lanceare	lanθar	l-ah-n-th-ah-er
ToThrow-Eruncare	arankar	ah-r-ah-n-k-ah-er
ToTie	legar	l-ay-g-ah-er
ToTie-Aptare	atar	ah-t-ah-er
ToSew	koser	k-oh-s-ay-er
ToCount	kontar	k-oh-n-t-ah-er
ToCount-Enumerare	enumerar	ay-n-u-m-ay-er-ah-er
ToSay	deθir	d-ay-th-e-er
ToSing-AncestralClass	kantar	k-ah-n-t-ah-er
ToPlay-Ludere	ludir	l-u-d-e-er
ToPlay-Jiicare	xugar	xha-u-g-ah-er
ToFloat	flugtwar	f-l-u-g-t-w-ah-er
ToFlow	fluir	f-l-u-e-er
ToFlow-Colare	kolar	k-oh-l-ah-er
ToFlow-Excurrere	eskurir	ay-s-k-u-r-e-er
ToFlow-Currere	korer	k-oh-r-ay-er
ToFreeze	elar	ay-l-ah-er
ToSwell	augmentar	au-m-ay-n-t-ah-er
ToSwell-Inflare	inñar	e-n-ts-ah-er
ToSwell-Intumescere	entumeθer	ay-n-t-u-m-ay-th-ay-er
ToSwell-Crescere	kreθer	k-er-ay-th-ay-er
ToBurn-Cremare	kemar	k-ay-m-ah-er
ToBurn-Ardere	arder	ah-er-d-ay-er
ToBurn-Flagrare	flagrar	f-l-ah-g-er-ah-er
ToBurn-Incendere	enθender	ay-n-th-ay-n-d-ay-er
All-Totus	todo	t-oh-d-oh
Many	muñfo	m-u-ts-oh
Many-Tantus	tanto	t-ah-n-t-oh
Some	alguno	ah-l-g-u-n-oh
Few	poko	p-oh-k-oh
Other	otro	oh-t-er-oh
Big	mapo	m-ah-VdPalatalNasal-oh
Big-Grandem	grande	g-er-ah-n-d-ay
Long-Longum	longo	l-oh-n-g-oh
Long-Largum	laryo	l-ah-er-juh-oh
Wide	lato	l-ah-t-oh

## Appendix 4 - Word Lists by Language

Wide-Amplum	anŷo	ah-n-ts-oh
Thick	graso	g-er-ah-s-oh
Thick-Spissum	espeso	ay-s-p-ay-s-oh
Thick-Gurdum	gordo	g-oh-er-d-oh
Heavy	grabe	g-er-ah-b-ay
Heavy-Lurdus	lerdo	l-ay-er-d-oh
Small-Pittinus	pekepo	p-ay-k-ay-VdPalatalNasal-oh
Short	korto	k-oh-er-t-oh
Short-Brevis	brebe	b-er-ay-b-ay
Narrow	angosto	ah-n-g-oh-s-t-oh
Narrow-Strictus	estreŷo	ay-s-t-er-ay-ts-oh
Thin	menudo	m-ay-n-u-d-oh
Thin-Delicatus	delyaðo	d-ay-l-juh-ah-dd-oh
Thin-Subtilis	sutil	s-u-t-e-l
Warm	kaldo	k-ah-l-d-oh
Cold	frio	f-er-e-oh
Cold-Recens	reθjente	r-ay-th-jg-ay-n-t-ay
Full	ŷeno	yuh-ay-n-oh
New	nweŷo	n-w-ay-bb-oh
Old	bjexo	b-jg-ay-xha-oh
Good	bweno	b-w-ay-n-oh
Bad	malo	m-ah-l-oh
Rotten	poðriðo	p-oh-dd-er-e-dd-oh
Rotten-Putrem	poðre	p-oh-dd-er-ay
Dirty	sordido	s-oh-er-d-e-d-oh
Round	redondo	r-ay-d-oh-n-d-oh
SharpAsAKnife	ayuðo	ah-juh-u-dd-oh
Smooth-Nitidus	niðio	n-e-dd-e-oh
Dry	seko	s-ay-k-oh
Near	proximo	p-er-oh-xha-e-m-oh
Near-Vicinus	beθino	b-ay-th-e-n-oh
Right-Dextrem	djestro	d-jg-ay-s-t-er-oh
Left	sinjestro	s-e-n-jg-ay-s-t-er-oh
Red	roxo	r-oh-xha-oh
Red-Vermiculus	bermexo	b-ay-er-m-ay-xha-oh
Red-Rubeus	rubjo	r-u-b-jg-oh
Green	berde	b-ay-er-d-ay
Yellow-Amarellus	amarijo	ah-m-ah-er-e-VdPalatalFricative-oh
White	albo	ah-l-b-oh
One	uno	u-n-oh
Two-Duos	dos	d-oh-s
Three	tres	t-er-ay-s
Four	kwatro	k-w-ah-t-er-oh
Five	θinko	th-e-n-k-oh
Here	aki	ah-k-e
There	aja	ah-VdPalatalFricative-ah
There-Adlbi	ai	ah-e
Who-Quem	kjen	k-jg-ay-n
What	ke	k-ay
When-Quando	kwando	k-w-ah-n-d-oh
How-Quomodo	komo	k-oh-m-oh
Not	no	n-oh
Not-Nec	ni	n-e
At	a	ah
In-In	en	ay-n
With-Cum	kon	k-oh-n
And-Et	i	e

## Appendix 4 - Word Lists by Language

And-Si	si	s-e
Because-Quod	ke	k-ay

### Italian

Cognate	IPA	Sounds
I	io	e-oh
We	no:i	n-O-e
YouPlural	vo:i	v-O-e
YouSingular	tu	t-u
Woman	femmina	f-ay-m-m-e-n-ah
Woman-Mulier	moʎʎe	m-oh-yuh-yuh-ay
Woman-Domina	donna	d-euh-n-n-ah
ManHumanBeing-Homo	womo	w-euh-m-oh
Child	fante	f-ah-n-t-ay
Child-Ninnus	nino	n-e-n-oh
Wife	spɔza	s-p-euh-zz-ah
Wife-Mulier	moʎʎe	m-oh-yuh-yuh-ay
Husband	marito	m-ah-r-e-t-oh
Husband-Sponsus	spɔzo	s-p-euh-zz-oh
Husband-Socius	sɔʎfo	s-euh-ts-oh
Mother	ma:dre	m-A-d-r-ay
Father	pa:dre	p-A-d-r-ay
Father-Tata	tata	t-ah-t-ah
Animal-Bestia	biʎʎa	b-e-shh-shh-ah
Fish-Piskem	peʎʎe	p-ay-shh-shh-ay
Bird-Avicellum	utʎello	u-t-ts-eh-l-l-oh
Bird-Passerem	passero	p-ah-s-s-ay-r-oh
Dog	kane	k-ah-n-ay
Louse	pidɔkkjo	p-e-d-euh-k-k-jg-oh
Snake	serpente	s-ay-r-p-ay-n-t-ay
Worm	verme	v-ay-r-m-ay
Tree	albero	ah-l-b-ay-er-oh
Forest	selva	s-ay-l-v-ah
Stick	palo	p-ah-l-oh
Fruit	frutto	f-r-u-t-t-oh
Seed	seme	s-ay-m-ay
Seed-Sementis	semente	s-ay-m-ay-n-t-ay
Seed-Granum	grano	g-r-ah-n-oh
Leaf	fɔʎʎa	f-euh-yuh-yuh-ah
Leaf-Frondea	fronza	f-r-oh-n-VdPalatoAlveolarAffricate-ah
Root-Radix	radi:ʎe	r-ah-d-E-ts-ay
BarkOfATree	kortijʎe	k-oh-r-t-e-ts-ay
BarkOfATree-Corticea	kortetʎa	k-oh-r-t-ay-t-ts-ah
BarkOfATree-Skortea	skortsa	s-k-euh-r-VlAlveolarSibilantAffricate-ah
Flower	fjo:re	f-jg-O-er-ay
Grass	erba	eh-r-b-ah
Rope	fune	f-u-n-ay
Rope-Restis	resta	r-eh-s-t-ah
Skin	kotenna	k-oh-t-ay-n-n-ah
Skin-Pellis	pelle	p-ay-l-l-ay
Meat	karne	k-ah-r-n-ay
Meat-Vivenda	vivanda	v-e-v-ah-n-d-ah
Blood	sangwe	s-ah-n-g-w-ay
Bone	osso	euh-s-s-oh
FatNoun	adipe	ah-d-e-p-ay

## Appendix 4 - Word Lists by Language

Egg	wəvo	w-euh-v-oh
Horn	kørno	k-euh-r-n-oh
Tail	koda	k-oh-d-ah
Feather	pjuma	p-jg-u-m-ah
Feather-Penna	penna	p-ay-n-n-ah
Hair	pelo	p-ay-l-oh
Hair-Capillus	kapello	k-ah-p-ay-l-l-oh
Head	kavettsa	k-ah-v-ay-t-t-s-ah
Head-Testa	tēsta	t-eh-s-t-ah
Ear	orekkja	oh-r-ay-k-k-jg-ah
Eye	əkkjo	euh-k-k-jg-oh
Nose	na:so	n-A-s-oh
Nose-Nares	nariŋe	n-ah-r-e-ts-ay
Mouth	bokka	b-oh-k-k-ah
Mouth-Gula	gola	g-oh-l-ah
Tooth	dēnte	d-eh-n-t-ay
Fingernail	ungja	u-n-g-jg-ah
Foot	pje:de	p-jg-Eh-d-ay
Leg-Gamba	gamba	g-ah-m-b-ah
Leg-Perna	perno	p-eh-r-n-oh
Leg-Petiolus	pitjolo	p-e-t-ts-euh-l-oh
Knee-Geniculum	dʒinəkkjo	VdPalatoAlveolarSibilant-e-n-euh-k-k-jg-oh
Hand	ma:no	m-A-n-oh
Wing	ala	ah-l-ah
Belly-Pantex	pantʃa	p-ah-n-ts-ah
Neck	kollo	k-oh-l-l-oh
Back	dosso	d-euh-s-s-oh
Back-Spatula	spalla	s-p-ah-l-l-ah
Breast	seno	s-ay-n-oh
Breast-Pectus	petto	p-eh-t-t-oh
Heart	kwore	k-w-euh-r-ay
Heart-Anima	alma	ah-l-m-ah
Liver	fegato	f-ay-g-ah-t-oh
Sun	sole	s-oh-l-ay
Moon	luna	l-u-n-ah
Star	stella	s-t-ay-l-l-ah
Water	akkwa	ah-k-k-w-ah
Rain	pjoddʒa	p-jg-oh-d-VdPalatoAlveolarSibilant-ah
River	fjume	f-jg-u-m-ay
River-Rivus	rio	r-e-oh
Lake	lago	l-ah-g-oh
Sea	mare	m-ah-r-ay
Salt	sale	s-ah-l-ay
Stone	sasso	s-ah-s-s-oh
Stone-Petra	pje:tra	p-jg-ai-t-r-ah
Stone-Lapidem	lapide	l-ah-p-e-d-ay
Sand-Sabula	sabbja	s-ah-b-b-jg-ah
Dust	polvere	p-oh-l-v-ay-r-ay
Earth	terra	t-eh-r-r-ah
Cloud	nube	n-u-b-ay
Cloud-Secondary	nuvola	n-u-v-oh-l-ah
Fog	kalidzine	k-ah-l-e-VdPalatoAlveolarSibilant-e-n-ay
Fog-Nebula	nebbja	n-ay-b-b-jg-ah
Fog-Tenebrae	tɛ:nebre	t-Eh-n-ay-b-r-ay
Fog-Tenebras	tɛ:nebre	t-Eh-n-ay-b-r-ay
Fog-Fumata	fuma:ta	f-u-m-A-t-ah
Sky	tʃelo	ts-eh-l-oh

## Appendix 4 - Word Lists by Language

Wind	vento	v-eh-n-t-oh
Snow	neve	n-ay-v-ay
Ice	dʒelo	VdPalatoAlveolarSibilant-eh-l-oh
Ice-Glacies	gʒatʃa	g-jg-ah-t-ts-ah
Smoke	fumo	f-u-m-oh
Fire-Focus	fwoko	f-w-euh-k-oh
Ash	ʃenere	ts-ay-n-ay-r-ay
Road	via	v-e-ah
Road-Strata	strada	s-t-r-ah-d-ah
Road-Camminus	kammino	k-ah-m-m-e-n-oh
Mountain	monte	m-oh-n-t-ay
Mountain-Montanea	montanna	m-oh-n-t-ah-VdPalatalNasal-VdPalatalNasal-ah
Night	notte	n-euh-t-t-ay
Day	di	d-e
Day-Diurnus	dʒorno	VdPalatoAlveolarSibilant-oh-r-n-oh
Day-Diurnata	dʒornata	VdPalatoAlveolarSibilant-oh-r-n-ah-t-ah
Year	anno	ah-n-n-oh
Name-Nomen	no:me	n-O-m-ay
Tongue	lingwa	l-e-n-g-w-ah
ToDrink	bere	b-ay-er-ay
ToEat-Manducare	mandʒare	m-ah-n-VdPalatoAlveolarSibilant-ah-er-ay
ToBite	mordere	m-euh-r-d-ay-r-ay
ToBite-Morsicare	morsikare	m-oh-r-s-e-k-ah-er-ay
ToSpit-Sputare	sputare	s-p-u-t-ah-er-ay
ToVomit	vomere	v-euh-m-ay-r-ay
ToBlow	soffjare	s-oh-f-f-jg-ah-r-ay
ToBreathe	respirare	r-ay-s-p-e-r-ah-er-ay
ToLaugh	ri:dere	r-E-d-ay-er-ay
ToSee	vedere	v-ay-d-ay-er-ay
ToHear	udire	u-d-e-er-ay
ToKnow-Sapere	sapere	s-ah-p-ay-r-ay
ToKnow-Cognoscere	konoʃfere	k-oh-n-oh-shh-shh-ay-r-ay
ToThink	kodʒitare	k-oh-VdPalatoAlveolarSibilant-e-t-ah-r-ay
ToThink-Pensare	pensare	p-ay-n-s-ah-er-ay
ToSmell-Sentire	sentire	s-ay-n-t-e-r-ay
ToSmell-Olere	olire	oh-l-e-r-ay
ToSmell-Odorare	odorare	oh-d-oh-r-ah-r-ay
ToSmell-Fragrare	fragrare	f-r-ah-g-r-ah-r-ay
ToFear	temere	t-ay-m-ay-r-ay
ToFear-Tremere	tremare	t-r-ay-m-ah-r-ay
ToSleep	dormire	d-oh-r-m-e-r-ay
ToLive	vivere	v-e-v-ay-r-ay
ToDie	morire	m-oh-r-e-r-ay
ToKill-Adnecare	annegare	ah-n-n-ay-g-ah-r-ay
ToKill-Occidere	utʃidere	u-t-ts-e-d-ay-er-ay
ToFight	puyjare	p-u-VdPalatalNasal-VdPalatalNasal-ah-r-ay
ToFight-Battuere	battere	b-ah-t-t-ay-r-ay
ToHunt-Captiare	katʃare	k-ah-t-ts-ah-r-ay
ToHit	pulsare	p-u-l-s-ah-r-ay
ToCut	segare	s-ay-g-ah-r-ay
ToCut-Excurtare	skortare	s-k-oh-r-t-ah-r-ay
ToCut-Taliare	taʎʎa:re	t-ah-yuh-yuh-A-r-ay
ToSplit	dividere	d-e-v-e-d-ay-r-ay
ToSplit-Scindere	ʃindere	shh-e-n-d-ay-r-ay
ToSplit-Findere	fendere	f-eh-n-d-ay-r-ay
ToSplit-Partire	partire	p-ah-r-t-e-r-ay
ToSplit-Separare	separare	s-ay-p-ah-r-ah-r-ay

## Appendix 4 - Word Lists by Language

ToStab	pundzere	p-u-n-VdPalatoAlveolarSibilant-ay-r-ay
ToStab-lugulare	jugula:re	jg-u-g-u-l-A-r-ay
ToScratch	radere	r-ah-d-ay-r-ay
ToScratch-Rasare	rasare	r-ah-s-ah-r-ay
ToDig-Cavare	kavare	k-ah-v-ah-r-ay
ToDig-Excavare	skavare	s-k-ah-v-ah-r-ay
ToSwim	nwotare	n-w-oh-t-ah-er-ay
ToSwim-Navigare	navigare	n-ah-v-e-g-ah-r-ay
ToFly	volare	v-oh-l-ah-er-ay
ToFly-Exvolare	zvolare	zz-v-oh-l-ah-er-ay
ToWalk	kamminare	k-ah-m-m-e-n-ah-er-ay
ToWalk-Mergere	merdzere	m-eh-r-VdPalatoAlveolarSibilant-ay-r-ay
ToWalk-Ambitare	andare	ah-n-d-ah-r-ay
ToCome	venire	v-ay-n-e-er-ay
ToLieAsInABed	estendere	ay-s-t-eh-n-d-ay-r-ay
ToLieAsInABed-lacere	dʒaŋʃe:re	VdPalatoAlveolarSibilant-ah-ts-ai-er-ay
ToSit	sedere	s-ay-d-ay-r-ay
ToStand	stare	s-t-ah-r-ay
ToStand-Levare	levare	l-ay-v-ah-r-ay
ToStand-Altiare	altsare	ah-l-VIAlveolarSibilantAffricate-ah-r-ay
ToTurnIntransitive	tornare	t-oh-r-n-ah-r-ay
ToTurnIntransitive-Gyrate	dʒirare	VdPalatoAlveolarSibilant-e-r-ah-er-ay
ToTurnIntransitive-AncestralClass3	virare	v-e-r-ah-er-ay
ToTurnIntransitive-Torque	tɔŋʃere	t-euh-r-ts-ay-r-ay
ToFall	kadere	k-ah-d-ay-er-ay
ToGive	dare	d-ah-r-ay
ToGive-Donare	donare	d-oh-n-ah-r-ay
ToHold	tenere	t-ay-n-ay-er-ay
ToSqueeze	spremere	s-p-r-eh-m-ay-r-ay
ToSqueeze-Serare	serrare	s-ay-r-r-ah-r-ay
ToSqueeze-Stringere	strindzere	s-t-r-e-n-VdPalatoAlveolarSibilant-ay-r-ay
ToRub	fregare	f-r-ay-g-ah-r-ay
ToRub-Frictare	frettare	f-r-ay-t-t-ah-r-ay
ToWash	lavare	l-ah-v-ah-r-ay
ToWipe	terdzere	t-eh-r-VdPalatoAlveolarSibilant-ay-r-ay
ToWipe-Exsucare	aŋʃugare	ah-shh-shh-u-g-ah-r-ay
ToPull	tirare	t-e-r-ah-r-ay
ToPull-Pulsare	pulsare	p-u-l-s-ah-r-ay
ToPull-Trahere	trarre	t-r-ah-r-r-ay
ToPush	impindzere	e-m-p-e-n-VdPalatoAlveolarSibilant-ay-r-ay
ToThrow	dʒettare	VdPalatoAlveolarSibilant-ay-t-t-ah-r-ay
ToThrow-Lanceare	lanʃare	l-ah-n-ts-ah-r-ay
ToThrow-Eruncare	arronʃare	ah-r-r-oh-n-ts-ah-r-ay
ToTie	legare	l-ay-g-ah-r-ay
ToSew	kufire	k-u-ts-e-r-ay
ToCount	kontare	k-oh-n-t-ah-r-ay
ToCount-Enumerare	enumerare	ay-n-u-m-ay-r-ah-r-ay
ToCount-Numerare	noverare	n-oh-v-ay-r-ah-r-ay
ToSay	dire	d-e-r-ay
ToSay-Exponere	sporre	s-p-oh-r-r-ay
ToSing-AncestralClass	kantare	k-ah-n-t-ah-r-ay
ToPlay-Jiocare	dʒokare	VdPalatoAlveolarSibilant-oh-k-ah-r-ay
ToFloat	fluttuare	f-l-u-t-t-u-ah-r-ay
ToFloat-Fluitare	fluitare	f-l-u-e-t-ah-r-ay
ToFlow	fluire	f-l-u-e-r-ay
ToFlow-Colare	kolare	k-oh-l-ah-r-ay
ToFlow-Excurrere	skorrere	s-k-oh-r-r-ay-r-ay



## Appendix 4 - Word Lists by Language

ToFlow-Currere	korrere	k-oh-r-r-ay-r-ay
ToFreeze	dɟelare	VdPalatoAlveolarSibilant-ay-l-ah-r-ay
ToFreeze-Glaciare	gɟattʃjare	g-jg-ah-t-ts-jg-ah-r-ay
ToSwell	aumentare	au-m-ay-n-t-ah-r-ay
ToSwell-Inflare	enfiare	ay-n-f-e-ah-r-ay
ToSwell-Conflare	gonfjare	g-oh-n-f-jg-ah-r-ay
ToSwell-Crescere	kreʃʃere	k-r-ay-shh-shh-ay-r-ay
ToBurn-Brojan	brufjare	b-r-u-ts-ah-r-ay
ToBurn-Cremare	kremare	k-r-ay-m-ah-r-ay
ToBurn-Flammare	fjammare	f-jg-ah-m-m-ah-r-ay
ToBurn-Ardere	ardere	ah-r-d-ay-r-ay
ToBurn-Flagrare	flagrare	f-l-ah-g-r-ah-r-ay
ToBurn-Incendere	inʃɛndjare	e-n-ts-eh-n-d-jg-ah-r-ay
ToBurn-AncestralClass8	ustolare	u-s-t-oh-l-ah-r-ay
All	opni	oh-VdPalatalNasal-VdPalatalNasal-e
All-Totus	tutto	t-u-t-t-oh
Many	molto	m-oh-l-t-oh
Many-Tantus	tanto	t-ah-n-t-oh
Some	alkuno	ah-l-k-u-n-oh
Few	poko	p-euh-k-oh
Other	altro	ah-l-t-r-oh
Big	mapno	m-ah-VdPalatalNasal-VdPalatalNasal-oh
Big-Grandem	grande	g-r-ah-n-d-ay
Long-Longum	lungo	l-u-n-g-oh
Long-Largum	largo	l-ah-r-g-oh
Wide	lato	l-ah-t-oh
Wide-Amplum	ampjo	ah-m-p-jg-oh
Thick	grasso	g-r-ah-s-s-oh
Thick-Spissum	spesso	s-p-ay-s-s-oh
Thick-Grossum	grasso	g-r-euh-s-s-oh
Heavy	greve	g-r-eh-v-ay
Heavy-Lurdus	lordo	l-oh-r-d-oh
Small-Pittinus	pitʃino	p-e-t-ts-e-n-oh
Small-Pitulus	pikkolo	p-e-k-k-oh-l-oh
Short	korto	k-oh-r-t-oh
Short-Brevis	breve	b-r-eh-v-ay
Narrow	angusto	ah-n-g-u-s-t-oh
Narrow-Strictus	stretto	s-t-r-ay-t-t-oh
Thin	minuto	m-e-n-u-t-oh
Thin-Delicatus	delikato	d-ay-l-e-k-ah-t-oh
Thin-Subtilis	sottile	s-oh-t-t-e-l-ay
Warm	kaldo	k-ah-l-d-oh
Cold	freddo	f-r-ay-d-d-oh
Cold-Recens	reʃɛnte	r-ay-ts-eh-n-t-ay
Full	pje:no	p-jg-Eh-n-oh
New	novo	n-euh-v-oh
Old	vekkjo	v-eh-k-k-jg-oh
Good	bwo:no	b-w-LongOpenMidBackRounded-n-oh
Bad	malo	m-ah-l-oh
Rotten	putrido	p-u-t-r-e-d-oh
Dirty	sordido	s-euh-r-d-e-d-oh
Dirty-Spurcus	sporko	s-p-euh-r-k-oh
Straight	dritto	d-r-e-t-t-oh
Round	ritondo	r-e-t-oh-n-d-oh
DullAsAKnife	ɛbete	eh-b-ay-t-ay
DullAsAKnife-Retusus	retuzo	r-ay-t-u-zz-oh
Smooth	soave	s-oh-ah-v-ay

## Appendix 4 - Word Lists by Language

Smooth-Nitidus	netto	n-ay-t-t-oh
Wet	umido	u-m-e-d-oh
Dry	sekko	s-ay-k-k-oh
Correct	korretto	k-oh-r-r-ay-t-t-oh
Near	prossimo	p-r-euh-s-s-e-m-oh
Near-Pressus	presso	p-r-eh-s-s-oh
Near-Vicinus	vicino	v-e-ts-e-n-oh
Far	lontano	l-oh-n-t-ah-n-oh
Right-Dextrem	destro	d-eh-s-t-r-oh
Left	sinestro	s-e-n-ay-s-t-r-oh
Red	rosso	r-oh-s-s-oh
Red-Vermiculus	vermicello	v-ay-r-m-e-yuh-yuh-oh
Red-Rubeus	robbio	r-euh-b-b-jg-oh
Green	verde	v-ay-r-d-ay
Yellow-Croceus	giallo	k-r-oh-ts-ay-oh
White	albo	ah-l-b-oh
One	uno	u-n-oh
Two-Duae	due	d-u-ay
Three	tre	t-r-ay
Four	quattro	k-w-ah-t-t-r-oh
Five	cinque	ts-e-nya-k-w-ay
Here	qui	k-w-e
There	lì	l-ah
There-Ibi	ivi	v-e
Who-Qui	chi	k-e
What	che	k-ay
When-Quando	quando	k-w-ah-n-d-oh
How-Quomodo	come	k-oh-m-ay
Not	non	n-oh-n
Not-Nec	ne	n-ay
At	a	ah
In-In	in	e-n
With-Cum	con	k-oh-n
And-Et	e	ay
And-Si	si	s-e
Because-Quod	quod	k-ay

## Brazilian Portuguese

Cognate	IPA	Sounds
I	ew	ay-w
We	nɔjs	n-euh-jg-s
YouPlural	vɔjs	v-euh-jg-s
YouSingular	tu	t-u
YouSingular-VostramMercedem	vose	v-oh-s-ay
Woman	femeɐ	f-ay-m-ay-ahh
Woman-Mulier	mulɐɐ	m-u-yuh-ay-rr
Woman-Domina	donɐ	d-oh-n-ahh
ManHumanBeing	omɛj	oh-m-ehnj
Child	ifɛj	een-f-ahn-ts-e
Child-Ninnus	nenɛj	n-ay-n-ehnj
Wife	ispoza	e-s-p-oh-zz-ah
Wife-Mulier	mulɐɐ	m-u-yuh-ay-rr
Husband	maridu	m-ah-er-e-d-u
Husband-Sponsus	ispozɐ	e-s-p-oh-zz-u
Mother	mɛj	m-ahnjn

## Appendix 4 - Word Lists by Language

Father	paj	p-aj
Father-Tata	tata	t-ah-t-ah
Animal-Bestia	bijə	b-e-shh-ahh
Fish-Piskem	pejʃi	p-ayj-shh-e
Bird-Avem	avi	ah-v-e
Bird-Passerem	pasɛru	p-ah-s-ahh-er-u
Dog	kɛw	k-au_diphthong_nasal
Louse	pioʎu	p-e-oh-yuh-u
Snake	sɛkpejʃi	s-ay-rr-p-ehn-ts-e
Worm	vɛkmi	v-ay-rr-m-e
Tree	akvori	ah-rr-v-oh-er-e
Forest	sɛwva	s-eh-w-v-ah
Stick	paw	p-ah-w
Fruit	frutə	f-er-u-t-ahh
Seed-Sementis	semɛjʃi	s-ay-m-ehn-ts-e
Seed-Granum	grɛw	g-er-au_diphthong_nasal
Leaf	foʎə	f-oh-yuh-ahh
Leaf-Frondea	frɔsɛ	f-er-on-s-ahh
Root	kais	rr-ah-e-s
BarkOfATree	kɔkʃisi	k-euh-rr-ts-e-s-e
BarkOfATree-Corticea	kɔkʃisɛ	k-oh-rr-ts-e-s-ahh
Flower	floɔ	f-l-oh-rr
Grass	ɛkvɛ	ay-rr-v-ahh
Grass-Gramen	grɛmɛ	g-er-ahn-m-ahh
Rope-Restis	ɛɛʃʃi	rr-eh-shh-ts-e
Skin	kodzjɛ	k-oh-VdPalatoAlveolarSibilant-e-ahh
Skin-Pellis	peli	p-eh-l-e
Meat	kaɔni	k-ah-rr-n-e
Meat-Vivenda	vivɛda	v-e-v-ehn-d-ah
Blood	sɛgi	s-ahn-g-e
Bone	osu	oh-s-u
FatNoun-Crassia	graʃɛ	g-er-ah-shh-ahh
Egg	ovu	oh-v-u
Horn	kɔɔnu	k-oh-rr-n-u
Tail	kawdɛ	k-ah-w-d-ahh
Feather-Penna	pɛnɛ	p-ay-n-ahh
Hair	pelu	p-ay-l-u
Hair-Capillus	kabelu	k-ah-b-ay-l-u
Head	kabɛsɛ	k-ah-b-ay-s-ahh
Head-Testa	tɛstɛ	t-eh-s-t-ahh
Ear	ɔɛʎə	oh-er-ay-yuh-ahh
Eye	oʎu	oh-yuh-u
Nose-Nares	naris	n-ah-er-e-s
Mouth	boke	b-oh-k-ahh
Tooth	dɛʃʃi	d-ehn-ts-e
Fingernail	ujɛ	u-VdPalatalNasal-ahh
Foot	pɛ	p-eh
Leg-Perna	pɛɔnɛ	p-eh-rr-n-ahh
Knee-Geniculum	zueʎu	gzah-u-ay-yuh-u
Hand	mɛw	m-au_diphthong_nasal
Wing	a	ah
Belly-Pantex	pɛsɛ	p-ahn-s-ahh
Guts	itɛɔnɛ	een-t-er-ahn-VdPalatalNasal-ahh
Neck	kɔlu	k-euh-l-u
Back-Spatula	ijpadwɛ	e-shh-p-ah-d-w-ahh
Breast	seju	s-ayj-u
Breast-Pectus	pejtu	p-ayj-t-u

## Appendix 4 - Word Lists by Language

Heart	kɔɤ	k-euh-rr
Heart-Anima	awmɐ	ah-w-m-ahh
Liver	figɔdu	f-e-g-ahh-d-u
Sun	sɔw	s-euh-w
Moon	luɐ	l-u-ahh
Star	istrelɐ	e-s-t-er-ay-l-ahh
Water	agwɐ	ah-g-w-ahh
Rain	ʃuvɐ	shh-u-v-ahh
River	flumi	f-l-u-m-e
River-Rivus	ɤiw	rr-e-w
Lake	lagu	l-ah-g-u
Sea	maɤ	m-ah-rr
Salt	saw	s-ah-w
Stone	sejʃu	s-ayj-shh-u
Stone-Petra	pedrɐ	p-ay-d-er-ahh
Sand	arejɐ	ah-er-ayj-ahh
Sand-Sabulum	sajβru	s-aj-bb-er-u
Dust-Pulwus	pɔ	p-euh
Earth	teɤ	t-ay-rr-ahh
Cloud	nuvɛ̃j	n-u-v-ehnj
Cloud-Secondary	nubladu	n-u-b-l-ah-d-u
Fog	kaliʒɛ̃j	k-ah-l-e-gzah-ehnj
Fog-Nebula	nevɔɐ	n-eh-v-w-ahh
Fog-Tenebras	treɔs	t-er-eh-v-ahh-s
Fog-Fumata	fumasɐ	f-u-m-ah-s-ahh
Sky	sɛw	s-eh-w
Wind	vɛ̃tu	v-ehn-t-u
Snow	nevi	n-eh-v-e
Smoke	fumu	f-u-m-u
Fire-Focus	fogu	f-oh-g-u
Ash-Cinisia	sizɛʃ	s-een-zz-ahh-shh
Road	viɐ	v-e-ahh
Road-Strata	istradɐ	e-s-t-er-ah-d-ahh
Road-Camminus	kamɪnu	k-ah-m-een-VdPalatalNasal-u
Mountain	mɔ̃ʃi	m-on-ts-e
Mountain-Montanea	mɔ̃tɛɤ	m-on-t-ahn-VdPalatalNasal-ahh
Night	noʃti	n-oj_diphthong-t-eee
Day	diɐ	d-e-ahh
Day-Diurna	ʒɔɤna	gzah-euh-rr-n-ah
Year	ɛnu	ahh-n-u
Name-Nomen	nomi	n-oh-m-e
Tongue	liɤwɐ	l-een-g-w-ahh
ToDrink	bebeɤ	b-ay-b-ay-rr
ToEat	kome	k-oh-m-ay
ToEat-Manducare	mɛ̃ʒak	m-ahn-gzah-ah-rr
ToBite	moɤdeɤ	m-oh-rr-d-ay-rr
ToBite-Morsicare	musɔga	m-u-s-aah-g-ah
ToSuck	sugaɤ	s-u-g-ah-rr
ToSpit	kuspiɤ	k-u-s-p-e-rr
ToBreathe	ɤespirar	rr-ay-s-p-e-er-ah-er
ToLaugh	ɤiɤ	rr-e-rr
ToSee	veɤ	v-ay-rr
ToHear	owviɤ	oh-w-v-e-rr
ToKnow-Sapere	sabeɤ	s-ah-b-ay-rr
ToKnow-Cognoscere	koɤneseɤ	k-oh-VdPalatalNasal-ay-s-ay-rr
ToThink	kuzitaɤ	k-u-gzah-e-t-ah-rr
ToThink-Pensare	pɛsaɤ	p-ehn-s-ah-rr

## Appendix 4 - Word Lists by Language

ToSmell-Sentire	sēŋʃik	s-ehn-ts-e-rr
ToSmell-Fragrare	ʃejraʁ	shh-ayj-er-ah-rr
ToFear	temeʁ	t-ay-m-ay-rr
ToFear-Tremere	tremeʁ	t-er-ay-m-ay-rr
ToSleep	doʁmiʁ	d-oh-rr-m-e-rr
ToLive	viveʁ	v-e-v-ay-rr
ToDie	moʁeʁ	m-oh-rr-ay-rr
ToKill-Mactare	mataʁ	m-ah-t-ah-rr
ToFight-Battuere	bateʁ	b-ah-t-ay-rr
ToHunt-Captiare	kasɑʁ	k-ah-s-ah-rr
ToHit	puʃɑʁ	p-u-shh-ah-rr
ToCut	segaʁ	s-ay-g-ah-rr
ToCut-Curtare	koʁtaʁ	k-oh-rr-t-ah-rr
ToCut-Taliare	taʎɑʁ	t-ah-yuh-ah-rr
ToSplit	dʒividʒik	VdPalatoAlveolarSibilant-e-v-e-VdPalatoAlveolarSibilant-e-rr
ToSplit-Findere	fēdeʁ	f-ehn-d-ay-rr
ToSplit-Partire	paʁʃik	p-ah-rr-ts-e-rr
ToSplit-Separare	separaʁ	s-ay-p-ah-er-ah-rr
ToStab	pūʒik	p-ooo-gzah-e-rr
ToScratch	ʁaʁeʁ	rr-ah-ay-rr
ToScratch-Rasare	ʁazaʁ	rr-ah-zz-ah-rr
ToScratch-Rasicare	ʁaʃkaʁ	rr-ah-shh-k-ah-rr
ToScratch-Coctiare	kosaʎ	k-oh-s-ah-VdRetroflexApproximant
ToDig-Cavare	kevaʁ	k-ahh-v-ah-rr
ToDig-Excavare	ifkevaʁ	e-shh-k-ahh-v-ah-rr
ToSwim	nadaʁ	n-ah-d-ah-rr
ToSwim-Navigare	naviʎaʁ	n-ah-v-eee-juh-ah-rr
ToFly	voaʁ	v-oh-ah-rr
ToWalk	kəmiɲaʁ	k-ahh-m-e-VdPalatalNasal-ah-rr
ToWalk-Ambitare	ēdaʁ	ahn-d-ah-rr
ToCome	viʁ	v-e-rr
ToLieAsInABed	istēdeʁ	e-s-t-ehn-d-ay-rr
ToLieAsInABed-lacere	ʒeʒeʁ	gzah-ahh-zz-ay-rr
ToSit	seʁ	s-ay-rr
ToSit-Sedentare	sētar	s-ehn-t-ah-er
ToStand	iftar	eee-shh-t-ah-er
ToStand-Levare	levaʁ	l-ay-v-ah-rr
ToStand-Altiare	alsa	ah-ssha-s-ah
ToTurnIntransitive	toʁnaʁ	t-oh-rr-n-ah-rr
ToTurnIntransitive-Gyrare	ʒiraʁ	gzah-e-er-ah-er
ToTurnIntransitive-AncestralClass3	viʁaʁ	v-e-er-ah-er
ToTurnIntransitive-Torquere	turser	t-u-r-s-ay-r
ToFall	keiʁ	k-ahh-e-er
ToFall-Tumbare	tōbaʁ	t-on-b-ah-rr
ToGive	daʁ	d-ah-rr
ToGive-Donare	doa	d-oh-ah
ToHold	teʁ	t-ay-rr
ToHold-Segurar	siguraʁ	s-eee-g-u-er-ah-rr
ToSqueeze	ifprəmeʁ	e-shh-p-r-aah-m-ay-rr
ToSqueeze-Serrere	seʁa	s-ay-rr-ah
ToSqueeze-Serare	siʁaʁ	s-eee-rr-ah-er
ToSqueeze-Appetorare	epirtaʁ	ahh-p-eee-er-t-ah-er
ToSqueeze-Stringere	əʃtriʒir	aah-shh-t-r-een-gzah-e-r
ToRub-Exfricare	iffrigaʁ	eee-shh-f-er-eee-g-ah-er
ToWash	leʁaʁ	l-ahh-v-ah-er
ToWipe-Exsucare	ēʃugaʁ	ehn-shh-u-g-ah-er
ToWipe-Limpidare	liʁaʁ	l-een-p-ah-er

## Appendix 4 - Word Lists by Language

ToPull	ŧŧira	ts-e-er-ah
ToPull-Pulsare	puŧar	p-u-shh-ah-er
ToPull-Trahere	traze	t-er-ah-zz-ay
ToThrow	zejt̃ar	gzah-ayj-t-ah-er
ToThrow-Lanceare	l̃esa	l-ahn-s-ah
ToTie-Aptare	et̃ar	ahh-t-ah-er
ToSew	kuzer	k-u-zz-ay-er
ToCount	kōtar	k-on-t-ah-er
ToCount-Enumerare	enumerar	ay-n-u-m-ay-er-ah-er
ToSay	dizer	d-e-zz-ay-er
ToSing-AncestralClass	k̃etar	k-ahn-t-ah-er
ToPlay-Jiocare	zogã	gzah-oh-g-ah-rr
ToFloat	flutuã	f-l-u-t-u-ah-rr
ToFlow	flwĩ	f-l-w-e-rr
ToFlow-Colare	koã	k-oh-ah-rr
ToFlow-Excurrere	iŧkovẽ	e-shh-k-oh-rr-ay-rr
ToFlow-Currere	kovẽ	k-oh-rr-ay-rr
ToFreeze	zilar	gzah-eee-l-ah-er
ToSwell	augmentar	au-g-m-ay-n-t-ah-er
ToSwell-Inflare	iŧar	een-shh-ah-er
ToSwell-Intumescere	itumeser	een-t-u-m-ay-s-ay-er
ToSwell-Crescere	kresẽ	k-er-ay-s-ay-rr
ToBurn-Cremare	kejm̃are	k-ahhj-m-ah-er-ay
ToBurn-Ardere	ãdẽ	ah-rr-d-ay-rr
ToBurn-Flagrare	flag̃ã	f-l-ah-g-rr-ah-rr
ToBurn-Incendere	ĩsendziar	een-s-ay-n-VdPalatoAlveolarSibilant-I-ah-er
All-Totus	todu	t-oh-d-u
Many	mũjtu	m-ooo-jn-t-u
Many-Tantus	t̃etu	t-ahn-t-u
Some	awgũ	ah-w-g-ooo
Few	powku	p-oh-w-k-u
Other	owtru	oh-w-t-er-u
Other-Alius	aw	ah-w
Big-Grandem	gr̃ẽdzi	g-er-ahn-VdPalatoAlveolarSibilant-e
Long-Longum	lōgu	l-on-g-u
Long-Largum	lãgu	l-ah-rr-g-u
Wide	latu	l-ah-t-u
Wide-Amplum	ẽfu	ahn-shh-u
Thick-Spissum	ĩspẽsu	e-s-p-eh-s-u
Thick-Grossum	grosu	g-er-oh-s-u
Heavy	gravi	g-er-ah-v-e
Heavy-Lurdus	lerdo	l-ay-er-d-oh
Small-Pittinus	pekenu	p-ay-k-ay-n-u
Short	kugtu	k-u-rr-t-u
Short-Brevis	br̃evi	b-er-eh-v-e
Narrow-Strictus	istrejt̃u	e-s-t-er-ayj-t-u
Thin	miudu	m-e-u-d-u
Thin-Delicatus	dewgadu	d-ay-w-g-ah-d-u
Thin-Subtilis	sut̃fiw	s-u-ts-e-w
Warm	kawdu	k-ah-w-d-u
Cold	friu	f-er-e-u
Cold-Recens	̃es̃ẽfi	rr-ay-s-ehn-ts-e
Full	ŧeju	shh-ahhj-u
New	novu	n-oh-v-u
Old	ṽejlu	v-ahhj-yuh-u
Good	bō	b-on
Bad	maw	m-ah-w

## Appendix 4 - Word Lists by Language

Rotten-Putrem	podri	p-oh-d-er-e
Dirty	sordidu	s-euh-er-d-e-d-u
Dirty-Spurcus	ispurku	e-s-p-u-er-k-u
Straight	dʒirejtu	VdPalatoAlveolarSibilant-e-er-ayj-t-u
Round	ʁedõdu	rr-ay-d-on-d-u
Smooth-Nitidus	nẽdʒu	n-eh-VdPalatoAlveolarSibilant-u
Dry	seku	s-ay-k-u
Near	prosimu	p-er-oh-s-e-m-u
Near-Vicinus	viziju	v-e-zz-e-VdPalatalNasal-u
Right-Dextrem	destru	d-eh-s-t-er-u
Left	seʃtru	s-eh-shh-t-er-u
Red	ʁoʃʊ	rr-oh-shh-NearCloseBackRounded
Red-Vermiculus	veʁmeʎu	v-ay-rr-m-ay-yuh-u
Red-Rubeus	rubeo	r-u-b-ay-oh
Green	verdi	v-ay-er-d-eee
Yellow-Amarellus	ẽmarelu	ahh-m-ah-er-eh-l-u
White	awvu	ah-w-v-u
One	ũ	ooo
Two-Duos	dojs	d-oj_diphthong-s
Two-Duas	duɐs	d-u-ahh-s
Three	tres	t-er-ay-s
Four	kwatru	k-w-ah-t-er-u
Five	sĩku	s-een-k-u
Here	aki	ah-k-e
There	la	l-ah
There-Adlbi	ai	ah-e
Who-Quem	kẽj	k-ehnj
What	ki	k-e
When-Quando	kwẽdu	k-w-ahn-d-u
How-Quomodo	komu	k-oh-m-u
Not	nẽw	n-au_diphthong_nasal
Not-Nec	nẽj	n-ehnj
At	a	ah
In-In	ẽj	ehnj
With-Cum	kõ	k-on
And-Et	i	e
And-Si	sĩ	s-een
Because-Quod	ki	k-e

## Portuguese

Cognate	IPA	Sounds
I	ew	ay-w
We	nɔʃ	n-euh-shh
YouPlural	voʃ	v-oh-shh
YouSingular	tu	t-u
YouSingular-VostramMercedem	vɔse	v-euh-s-ay
Woman	femjɐ	f-ay-m-jg-ahh
Woman-Mulier	muʎer	m-u-yuh-ay-er
Woman-Domina	donɐ	d-oh-n-ahh
ManHumanBeing	ɔmẽj	euh-m-ehnj
Child	ĩfẽti	een-f-ahn-t-eee
Child-Ninnus	nenẽj	n-ay-n-ehnj
Wife	ĩʃpozɐ	eee-shh-p-oh-zz-ahh
Wife-Mulier	muʎer	m-u-yuh-ay-er
Husband	mɛriðu	m-ahh-er-e-dd-u

## Appendix 4 - Word Lists by Language

Husband-Sponsus	ifpozu	eee-shh-p-oh-zz-u
Mother	mēj	m-ahnjn
Father	paj	p-aj
Father-Tata	tata	t-ah-t-ah
Animal-Bestia	biʃe	b-e-shh-ahh
Fish-Piskem	pɛjʃi	p-ahhj-shh-eee
Bird-Avem	avi	ah-v-eee
Bird-Passerem	pasɛru	p-ah-s-ahh-er-u
Dog	kēw	k-au_diphthong_nasal
Louse	pioʎu	p-e-oh-yuh-u
Snake	sirpēti	s-eee-er-p-ehn-t-eee
Worm	vermi	v-ay-er-m-eee
Tree	arvuri	ah-er-v-u-er-eee
Forest	sɛʎvɛ	s-eh-ssha-v-ahh
Stick	paw	p-ah-w
Fruit	frutɛ	f-er-u-t-ahh
Seed-Sementis	simēti	s-eee-m-ehn-t-eee
Seed-Granum	grēw	g-er-au_diphthong_nasal
Leaf	foʎvɛ	f-oh-yuh-ahh
Leaf-Frondea	frōsɛ	f-er-on-s-ahh
Root	ʁɛjʃ	rr-ahh-e-shh
BarkOfATree	kɔrtisi	k-euh-er-t-e-s-eee
BarkOfATree-Corticea	kurtisɛ	k-u-er-t-e-s-ahh
Flower	flor	f-l-oh-er
Grass	ɛrvɛ	eh-er-v-ahh
Grass-Gramen	grɛmɛ	g-er-ahh-m-ahh
Rope-Restis	ʁɛʃti	rr-ay-shh-t-eee
Skin	kodie	k-oh-d-e-ahh
Skin-Pellis	peli	p-ay-l-eee
Meat	karni	k-ah-er-n-eee
Meat-Vivenda	vivēde	v-e-v-ehn-d-ahh
Blood	sɛqi	s-ahn-g-eee
Bone	osu	oh-s-u
FatNoun-Crassia	graʃɛ	g-er-ah-shh-ahh
Egg	ovu	oh-v-u
Horn	kornu	k-oh-er-n-u
Tail	kawdɛ	k-ah-w-d-ahh
Feather-Penna	pene	p-ay-n-ahh
Hair	pilu	p-eee-l-u
Hair-Capillus	kɛβelu	k-ahh-bb-ay-l-u
Head	kɛβesɛ	k-ahh-bb-ay-s-ahh
Head-Testa	tɛʃtɛ	t-eh-shh-t-ahh
Ear	oɛjʎvɛ	oh-er-ahhj-yuh-ahh
Eye	oʎu	oh-yuh-u
Nose-Nares	nɛriʃ	n-ahh-er-e-shh
Mouth	boke	b-oh-k-ahh
Tooth	dēti	d-ehn-t-eee
Fingernail	uɲɛ	u-VdPalatalNasal-ahh
Foot	pɛ	p-eh
Leg-Perna	pɛmɛ	p-eh-er-n-ahh
Knee-Geniculum	ʒwɛʎu	gzah-w-ahh-yuh-u
Hand	mēw	m-au_diphthong_nasal
Wing	a	ah
Belly-Pantex	pēsɛ	p-ahn-s-ahh
Guts	ētrɛɲɛ	ehn-t-er-ahh-VdPalatalNasal-ahh
Neck	kɔlu	k-euh-l-u
Back-Spatula	ifpadwɛ	e-shh-p-ah-d-w-ahh



## Appendix 4 - Word Lists by Language

Breast	seju	s-ahhj-u
Breast-Pectus	pejtu	p-ahhj-t-u
Heart	kor	k-oh-er
Heart-Anima	almə	ah-l-m-ahh
Liver	fiyəðu	f-e-juh-ahh-dd-u
Sun	soł	s-euh-ssha
Moon	luə	l-u-ahh
Star	iftrele	eee-shh-t-er-ay-l-ahh
Water	agwe	ah-g-w-ahh
Rain	fuve	shh-u-v-ahh
River	flumi	f-l-u-m-eee
River-Rivus	riu	rr-e-u
Lake	layu	l-ah-juh-u
Sea	mar	m-ah-er
Salt	sal	s-ah-l
Stone	sejfu	s-ahhj-shh-u
Stone-Petra	peðre	p-eh-dd-er-ahh
Sand	ereje	ahh-er-ahhj-ahh
Sand-Sabulum	sajbru	s-aj-bb-er-u
Dust-Pulwus	pə	p-euh
Earth	teke	t-eh-rr-ahh
Cloud	nuvej	n-u-v-ahnjn
Cloud-Secondary	nubladu	n-u-b-l-ah-d-u
Fog	keli3ej	k-ahh-l-e-gzah-ahnjn
Fog-Nebula	nevve	n-eh-v-w-ahh
Fog-Tenebras	trevef	t-er-eh-v-ahh-shh
Fog-Fumata	fumasə	f-u-m-ah-s-ahh
Sky	sew	s-eh-w
Wind	vetu	v-ehn-t-u
Snow	nevi	n-eh-v-eee
Smoke	fumu	f-u-m-u
Fire-Focus	foyu	f-oh-juh-u
Ash-Cinisia	sizəf	s-een-zz-ahh-shh
Road	vie	v-e-ahh
Road-Strata	iftraðe	e-shh-t-er-ah-dd-ahh
Road-Camminus	kəminju	k-ahh-m-e-VdPalatalNasal-u
Mountain	mōti	m-on-t-eee
Mountain-Montanea	mōtepe	m-on-t-ahh-VdPalatalNasal-ahh
Night	nojti	n-oj_diphthong-t-eee
Day	die	d-e-ahh
Day-Diurna	3əna	gzah-euh-rr-n-ah
Year	enu	ahh-n-u
Name-Nomen	nomi	n-oh-m-eee
Tongue	liqwe	l-een-g-w-ahh
ToDrink	bißer	b-eee-bb-ay-er
ToEat	kumer	k-u-m-ay-er
ToEat-Manducare	məzar	m-ahn-gzah-ah-er
ToBite	murðer	m-u-er-dd-ay-er
ToBite-Morsicare	musəgar	m-u-s-aah-g-ah-r
ToSuck	sugar	s-u-g-ah-er
ToSpit	kuʃpir	k-u-shh-p-c-er
ToBreathe	ʁiʃpirar	rr-eee-shh-p-e-er-ah-er
ToLaugh	kir	rr-e-er
ToSee	ver	v-ay-er
ToHear	owvir	oh-w-v-e-er
ToKnow-Sapere	seber	s-ahh-b-ay-er
ToKnow-Cognoscere	kupiser	k-u-VdPalatalNasal-eee-s-ay-er

## Appendix 4 - Word Lists by Language

ToThink	kuzitar	k-u-gzah-e-t-ah-er
ToThink-Pensare	pēsar	p-ehn-s-ah-er
ToSmell-Sentire	sētir	s-ehn-t-e-er
ToSmell-Fragrare	fejrar	shh-ahhj-er-ah-er
ToFear	timer	t-eee-m-ay-er
ToFear-Tremere	trimer	t-er-eee-m-ay-er
ToSleep	durmir	d-u-er-m-e-er
ToLive	viver	v-e-v-ay-er
ToDie	muker	m-u-rr-ay-er
ToKill-Mactare	metar	m-ahh-t-ah-er
ToFight-Battuere	beter	b-ahh-t-ay-er
ToHunt-Captiare	kesar	k-ahh-s-ah-er
ToHit	pufar	p-u-shh-ah-er
ToCut	siyar	s-eee-juh-ah-er
ToCut-Curtare	kurtar	k-u-er-t-ah-er
ToCut-Taliare	təlar	t-ahh-yuh-ah-er
ToSplit	diviðir	d-e-v-e-dd-e-er
ToSplit-Findere	fēder	f-ehn-d-ay-er
ToSplit-Partire	pertir	p-ahh-er-t-e-er
ToSplit-Separare	siperar	s-eee-p-ahh-er-ah-er
ToStab	pūzir	p-ooo-gzah-e-er
ToScratch	køer	rr-ahh-ay-er
ToScratch-Rasare	køzar	rr-ahh-zz-ah-er
ToScratch-Rasicare	køjkar	rr-ahh-shh-k-ah-er
ToScratch-Coctiare	kusar	k-u-s-ah-er
ToDig-Cavare	køvar	k-ahh-v-ah-er
ToDig-Excavare	ijkøvar	e-shh-k-ahh-v-ah-er
ToSwim	nøðar	n-ahh-dd-ah-er
ToSwim-Navigare	neviyar	n-ahh-v-eee-juh-ah-er
ToFly	vwar	v-w-ah-er
ToWalk	kəmjnar	k-ahh-m-e-VdPalatalNasal-ah-er
ToWalk-Ambitare	ēdar	ahn-d-ah-er
ToCome	vir	v-e-er
ToLieAsInABed	iftēder	e-shh-t-ehn-d-ay-er
ToLieAsInABed-lacere	zøzer	gzah-ahh-zz-ay-er
ToSit	ser	s-ay-er
ToSit-Sedentare	sētar	s-ehn-t-ah-er
ToStand	iftar	eee-shh-t-ah-er
ToStand-Levare	livar	l-eee-v-ah-er
ToStand-Altiare	ałsar	ah-ssha-s-ah-er
ToTurnIntransitive	turnar	t-u-er-n-ah-er
ToTurnIntransitive-Gyrate	zirar	gzah-e-er-ah-er
ToTurnIntransitive-AncestralClass3	zirar	gzah-e-er-ah-er
ToTurnIntransitive-Torquere	turser	t-u-r-s-ay-r
ToFall	køir	k-ahh-e-er
ToFall-Tumbare	tōbar	t-on-b-ah-er
ToGive	dar	d-ah-er
ToGive-Donare	duar	d-u-ah-er
ToHold	ter	t-ay-er
ToHold-Segurar	siyurar	s-eee-juh-u-er-ah-er
ToSqueeze	ifprømer	e-shh-p-r-aah-m-ay-r
ToSqueeze-Serrere	søkar	s-aah-VIUvularTrill-ah-er
ToSqueeze-Serare	sikar	s-eee-rr-ah-er
ToSqueeze-Appetoreare	epirtar	ahh-p-eee-er-t-ah-er
ToSqueeze-Stringere	əstrizir	aah-shh-t-r-eeen-gzah-e-r
ToRub-Exfricare	iffriyar	eee-shh-f-er-eee-juh-ah-er
ToWash	lavar	l-ahh-v-ah-er

## Appendix 4 - Word Lists by Language

ToWipe-Exsucare	ēṣuṣar	ehn-shh-u-juh-ah-er
ToWipe-Limpidare	līpar	l-een-p-ah-er
ToPull	tīrar	t-e-er-ah-er
ToPull-Pulsare	pūṣar	p-u-shh-ah-er
ToPull-Trahere	trēzer	t-er-ahh-zz-ay-er
ToThrow	zejtar	gzah-ayj-t-ah-er
ToThrow-Lanceare	lēsar	l-ahn-s-ah-er
ToTie-Aptare	ētar	ahh-t-ah-er
ToSew	kuzer	k-u-zz-ay-er
ToCount	kōtar	k-on-t-ah-er
ToCount-Enumerare	enumerar	ay-n-u-m-ay-er-ah-er
ToSay	dizer	d-e-zz-ay-er
ToSing-AncestralClass	kētar	k-ahn-t-ah-er
ToPlay-Jiocare	zuyar	gzah-u-juh-ah-er
ToFloat	flutuar	f-l-u-t-u-ah-er
ToFlow	flwir	f-l-w-e-er
ToFlow-Colare	kuar	k-u-ah-er
ToFlow-Excurrere	ijkurer	e-shh-k-u-VIUvularTrill-ay-er
ToFlow-Currere	kuṣer	k-u-rr-ay-er
ToFreeze	zīlar	gzah-eee-l-ah-er
ToSwell	augmentar	au-g-m-ay-n-t-ah-er
ToSwell-Inflate	īṣar	een-shh-ah-er
ToSwell-Intumescere	ītumeser	een-t-u-m-ay-s-ay-er
ToSwell-Crescere	kriṣser	k-er-eee-shh-s-ay-er
ToBurn-Cremare	kejmaṣe	k-ayj-m-ah-rr-ay
ToBurn-Ardere	ērder	ahh-er-d-ay-er
ToBurn-Flagrare	flagrar	f-l-ah-g-er-ah-er
ToBurn-Incendere	īsēdjar	een-s-ehn-d-jg-ah-er
All-Totus	toḍu	t-oh-dd-u
Many	mūjtu	m-ooo-jn-t-u
Many-Tantus	tētū	t-ahn-t-u
Some	aṭgū	ah-ssha-g-ooo
Few	powku	p-oh-w-k-u
Other	owtru	oh-w-t-er-u
Other-Alius	aṭ	ah-ssha
Big-Grandem	grēdi	g-er-ahn-d-eee
Long-Longum	lōgu	l-on-g-u
Long-Largum	largu	l-ah-er-g-u
Wide	latu	l-ah-t-u
Wide-Amplum	ēṣu	ahn-shh-u
Thick	graṣu	g-er-ah-shh-u
Thick-Spissum	iṣpesu	e-shh-p-ay-s-u
Thick-Grossum	grosu	g-er-oh-s-u
Heavy	gravi	g-er-ah-v-eee
Heavy-Lurdus	lerdo	l-ay-er-d-oh
Small-Pittinus	pikenu	p-eee-k-ay-n-u
Short	kurtu	k-u-er-t-u
Short-Brevis	brēvi	b-er-eh-v-eee
Narrow-Strictus	īṣtrējtu	eee-shh-t-er-ahhj-t-u
Thin	miuḍu	m-e-u-dd-u
Thin-Delicatus	deṣyaḍu	d-eh-ssha-juh-ah-dd-u
Thin-Subtilis	suṣṭiw	s-u-ts-e-w
Warm	kaldū	k-ah-l-d-u
Cold	friu	f-er-e-u
Cold-Recens	ṣesēṣi	rr-ay-s-ehn-ts-e
Full	ṣeju	shh-ahhj-u
New	novu	n-oh-v-u

## Appendix 4 - Word Lists by Language

Old	veʎu	v-ay-yuh-u
Good	bō	b-on
Bad	maw	m-ah-w
Rotten-Putrem	poðri	p-oh-dd-er-eee
Dirty	sordidu	s-euh-er-d-e-d-u
Dirty-Spurcus	ɪʃpurku	e-shh-p-u-er-k-u
Straight	dirɛjtu	d-e-er-ahhj-t-u
Round	ʁidōdu	rr-eee-d-on-d-u
SharpAsAKnife	ɛyʊðu	ahh-juh-u-dd-u
Smooth-Nitidus	nedʒu	n-eh-VdPalatoAlveolarSibilant-u
Dry	seku	s-ay-k-u
Near	prosimu	p-er-oh-s-e-m-u
Near-Vicinus	viziju	v-e-zz-e-VdPalatalNasal-u
Right-Dextrem	dɛjtru	d-eh-shh-t-er-u
Left	sɛjtru	s-eh-shh-t-er-u
Red	ʁoʃu	rr-oh-shh-u
Red-Vermiculus	viɾmɛjʎu	v-eee-er-m-ahhj-yuh-u
Red-Rubeus	rubeo	r-u-b-ay-oh
Green	verdi	v-ay-er-d-eee
Yellow-Amarellus	ɛmɛɾɛlu	ahh-m-ahh-er-eh-l-u
White	alvu	ah-l-v-u
One	ũ	ooo
Two-Duos	dojʃ	d-oj_diphthong-shh
Two-Duas	duɛʃ	d-u-ahh-shh
Three	trejʃ	t-er-ay-shh
Four	kwatru	k-w-ah-t-er-u
Five	sĩku	s-een-k-u
Here	ɛki	ahh-k-e
There	la	l-ah
There-Adlbi	ɛi	ahh-e
Who-Quem	kɛj	k-ahnjn
What	ki	k-eee
When-Quando	kwɛdu	k-w-ahn-d-u
How-Quomodo	komu	k-oh-m-u
Not	nɛw	n-au_diphthong_nasal
Not-Nec	nɛj	n-ahnjn
At	ɛ	ahh
In-In	ɛj	ahnjn
With-Cum	kō	k-on
And-Et	i	e
And-Si	sĩ	s-een
Because-Quod	ki	k-eee

## Catalan

Cognate	IPA	Sounds
I	ʒə	gzah-euh
YouPlural	bus	b-u-s
YouSingular	tu	t-u
YouSingular-VostramMercedem	voste	v-oh-s-t-ay
Woman	fembra	f-ay-m-b-er-ah
Woman-Mulier	muʎe	m-u-yuh-ay
Woman-Domina	dɔnə	d-euh-n-aah
ManHumanBeing	ɔmə	euh-m-aah
Child-Ninnus	nen	n-ay-n
Wife	əspəzə	aah-s-p-euh-zz-aah

## Appendix 4 - Word Lists by Language

Wife-Mulier	muʎe	m-u-yuh-ay
Husband	marit	m-ah-er-e-t
Husband-Sponsus	əspəs	aah-s-p-euh-s
Mother	marə	m-ah-er-aah
Father	parə	p-ah-er-aah
Fish-Piskem	peʃ	p-ay-shh
Bird-Avem	aw	ah-w
Bird-Avicellum	useʎ	u-s-ay-yuh
Dog	ka	k-ah
Louse	poʎ	p-oh-yuh
Snake	sərpen	s-aah-r-p-ay-n
Worm	vɛrm	v-eh-er-m
Tree	abrə	ah-b-er-aah
Forest	selba	s-ay-l-b-ah
Stick	pal	p-ah-l
Fruit	frujt	f-er-u-jg-t
Seed-Sementis	səmen	s-aah-m-ay-n
Seed-Granum	gra	g-er-ah
Leaf	fuʎə	f-u-yuh-aah
Root	ərel	aah-r-eh-l
BarkOfATree-Skortea	əskørsə	aah-s-k-euh-r-s-aah
Flower	flə	f-l-euh
Grass	erbə	ay-r-b-aah
Grass-Gramen	gram	g-er-ah-m
Skin	konnə	k-oh-n-n-aah
Skin-Pellis	peʎ	p-ay-yuh
Meat	karn	k-ah-r-n
Blood	saŋ	s-ah-nya
Bone	əs	euh-s
FatNoun-Crassia	greʃ	g-er-ay-shh
Egg	ow	euh-w
Horn	körn	k-euh-r-n
Tail	kua	k-u-ah
Feather	plomə	p-l-oh-m-aah
Feather-Penna	pepə	p-eh-VdPalatalNasal-aah
Hair	pəl	p-eh-l
Hair-Capillus	kəbeʎ	k-aah-b-eh-yuh
Head	kap	k-ah-p
Head-Testa	testə	t-ay-s-t-aah
Ear	ureʎə	u-er-eh-yuh-aah
Nose	nas	n-ah-s
Nose-Nares	na:ris	n-A-r-I-s
Mouth	bokə	b-oh-k-aah
Mouth-Gula	golə	g-oh-l-aah
Foot	pɛw	p-eh-w
Leg-Gamba	kambə	k-ah-m-b-aah
Leg-Perna	pɛrnə	p-eh-r-n-aah
Knee-Geniculum	ʒənoʎ	gzah-aah-n-oh-yuh
Wing	alə	ah-l-aah
Belly	bentrə	b-ay-n-t-er-aah
Belly-Pantex	paŋʃə	p-ah-VdPalatalNasal-shh-aah
Guts	əntrəpə	aah-n-t-er-ah-VdPalatalNasal-aah
Neck	kəʎ	k-euh-yuh
Back	dos	d-oh-s
Back-Spatula	əspaʎʎə	aah-s-p-ah-yuh-yuh-aah
Breast	si	s-e
Breast-Pectus	pit	p-e-t

## Appendix 4 - Word Lists by Language

Heart	kər	k-euh-r
Liver	fedʒə	f-ay-VdPalatoAlveolarSibilant-aah
Sun	səl	s-euh-l
Moon	ʎunə	yuh-u-n-aah
Star	əstel	aah-s-t-eh-l
Water	ajɣwə	aj-juh-w-aah
Rain	pluzə	p-l-u-gzah-aah
River-Rivus	riw	r-e-w
Lake	ʎak	yuh-ah-k
Sea	mar	m-ah-r
Salt	sal	s-ah-l
Stone-Petra	peðrə	p-ay-dd-er-aah
Sand	ənənə	aah-er-ay-n-aah
Sand-Sabulum	sorə	s-oh-r-aah
Dust-Pulwus	pols	p-oh-l-s
Earth	tərə	t-eh-r-aah
Cloud-Secondary	nuβul	n-u-bb-u-ssha
Fog-Nebula	newlə	n-ay-w-l-aah
Fog-Tenebras	tənebrəs	t-aah-n-ay-b-cr-aah-s
Sky	səl	s-eh-l
Wind	ben	b-ay-n
Snow	new	n-ay-w
Ice	ʒəl	gzah-eh-ssha
Ice-Glacies	glas	g-l-ah-s
Smoke	fum	f-u-m
Fire-Focus	fək	f-euh-k
Ash	sendrə	s-eh-n-d-r-aah
Road	biə	b-e-aah
Road-Camminus	kəmi	k-aah-m-e
Mountain	mun	m-u-n
Mountain-Montanea	muntapə	m-u-n-t-ah-VdPalatalNasal-aah
Night	nit	n-e-t
Day	diə	d-e-aah
Day-Diurnus	ʒorn	gzah-oh-er-n
Year	aɲ	ah-VdPalatalNasal
Name-Nomen	nəm	n-euh-m
ToDrink	bewrə	b-eh-w-er-aah
ToEat-Manducare	məɲʒa	m-aah-VdPalatalNasal-gzah-ah
ToBite-Morsicare	musəɣa	m-u-s-aah-juh-ah
ToSpit-Exconspuere	əskupi	aah-s-k-u-p-e
ToBreathe	rəspira	r-aah-s-p-e-er-ah
ToLaugh	riwrə	r-e-w-er-aah
ToSee	bewrə	b-eh-w-er-aah
ToHear	ui	u-e
ToKnow-Sapere	səβe	s-aah-bb-eh
ToKnow-Cognoscere	kunɛʃə	k-u-n-eh-shh-aah
ToThink	kujda	k-u-jg-d-ah
ToThink-Pensare	pənsa	p-aah-n-s-ah
ToSmell-Sentire	sənti	s-aah-n-t-e
ToSmell-Olere	ulura	u-l-u-er-ah
ToSmell-Fragrare	fləɣra	f-l-aah-jg-er-ah
ToFear	temə	t-ay-m-aah
ToSleep	durmi	d-u-r-m-e
ToLive	biwrə	b-e-w-er-aah
ToDie	muri	m-u-er-e
ToKill	nəga	n-aah-g-ah
ToKill-Mactare	məta	m-aah-t-ah

## Appendix 4 - Word Lists by Language

ToKill-Occidere	uksi	u-k-s-e
ToFight	pupa	p-u-VdPalatalNasal-ah
ToFight-Battuere	batrə	b-ah-t-er-aah
ToHunt-Captiare	kəsa	k-aah-s-ah
ToCut	səya	s-aah-juh-ah
ToCut-Taliare	təla	t-aah-yuh-ah
ToSplit	dibidi	d-e-b-e-d-e
ToSplit-Findere	fendrə	f-eh-n-d-er-aah
ToSplit-Partire	pəti	p-aah-r-t-e
ToSplit-Separare	səpəra	s-aah-p-aah-er-ah
ToStab	pupi	p-u-VdPalatalNasal-e
ToScratch	rawrə	r-ah-w-er-aah
ToScratch-Rasare	rəza	r-aah-zz-ah
ToScratch-Rasicare	rəska	r-aah-s-k-ah
ToDig-Cavare	kəba	k-aah-b-ah
ToSwim	nəda	n-aah-d-ah
ToSwim-Navigare	nəbəga	n-aah-b-aah-g-ah
ToFly	bula	b-u-l-ah
ToWalk	kəmina	k-aah-m-e-n-ah
ToCome	bəni	b-aah-n-e
ToLieAsInABed	əstendrə	aah-s-t-ay-n-d-er-aah
ToLieAsInABed-lacere	zawrə	gzah-ah-w-er-aah
ToStand	əsta	aah-s-t-ah
ToStand-Levare	ləba	yuh-aah-b-ah
ToStand-Altiare	əlsa	aah-l-s-ah
ToTurnIntransitive	turna	t-u-r-n-ah
ToTurnIntransitive-Gyrare	zira	gzah-e-er-ah
ToTurnIntransitive-AncestralClass3	bira	b-e-er-ah
ToTurnIntransitive-Torque	tərsə	t-euh-r-s-aah
ToFall	kawrə	k-ah-w-r-aah
ToFall-Tumbare	tumba	t-u-m-b-ah
ToGive	dar	d-ah-r
ToGive-Donare	duna	d-u-n-ah
ToHold	təni	t-aah-n-e
ToSqueeze	əspremə	aah-s-p-er-ay-m-aah
ToSqueeze-Serrere	səra	s-aah-r-ah
ToSqueeze-Stringere	əstreŋə	aah-s-t-er-eh-VdPalatalNasal-aah
ToRub	frəga	f-er-aah-g-ah
ToRub-Frictiare	frəsa	f-er-aah-s-ah
ToWash	ləba	yuh-aah-b-ah
ToWipe-Extergere	əstərzi	aah-s-t-aah-r-gzah-e
ToWipe-Exsucare	əfuga	aah-shh-u-g-ah
ToPull	tira	t-e-er-ah
ToPull-Trahere	təwrə	t-er-eh-w-er-aah
ToPush	əmpɛŋə	aah-m-p-eh-VdPalatalNasal-aah
ToThrow	xita	xha-e-t-ah
ToThrow-Lanceare	lənsa	yuh-aah-n-s-ah
ToTie	liya	yuh-e-juh-ah
ToSew	kuzi	k-u-zz-e
ToCount	kumta	k-u-m-t-ah
ToCount-Enumerare	enumera	ay-n-u-m-ay-er-ah
ToCount-Numerare	numera	n-u-m-ay-er-ah
ToSay	di	d-e
ToSing-AncestralClass	kənta	k-aah-n-t-ah
ToPlay-Jiocare	zuga	gzah-u-g-ah
ToFloat	fluktua	f-l-u-k-t-u-ah
ToFlow	flui	f-l-u-e

## Appendix 4 - Word Lists by Language

ToFlow-Colare	kula	k-u-ssha-ah
ToFlow-Excurrere	askorə	aah-s-k-oh-r-aah
ToFlow-Currere	korə	k-oh-r-aah
ToFreeze	zəla	gzah-aah-l-ah
ToFreeze-Glaciare	gləsa	g-l-aah-s-ah
ToSwell	augmenta	ah-u-g-m-ay-n-t-ah
ToSwell-Inflare	imfla	e-m-f-l-ah
ToSwell-Crescere	kreʃə	k-er-ay-shh-aah
ToBurn-Cremare	krəma	k-r-aah-m-ah
ToBurn-Flammare	flama	f-ssha-ah-m-ah
ToBurn-Incendere	ənsendrə	aah-n-s-ay-n-d-er-aah
All-Totus	tot	t-oh-t
Many	mol	m-oh-l
Many-Tantus	tant	t-ah-n-t
Some	əlgʊ	aah-l-g-u
Few	pək	p-euh-k
Other	altrə	ah-l-t-er-aah
Big-Grandem	gran	g-r-ah-n
Long-Longum	ʎoŋ	yuh-oh-nya
Long-Largum	ʎark	yuh-ah-er-k
Wide-Amplum	amplə	ah-m-p-l-aah
Thick	gras	g-er-ah-s
Thick-Spissum	əspəs	aah-s-p-eh-s
Thick-Grossum	grəs	g-er-euh-s
Heavy	grew	g-er-ay-w
Small	pətit	p-aah-t-e-t
Short	kurt	k-u-er-t
Short-Brevis	brew	b-er-ay-w
Narrow-Strictus	əstrət	aah-s-t-er-eh-t
Thin	mənʊt	m-aah-n-u-t
Thin-Delicatus	dəlikat	d-aah-l-e-k-ah-t
Thin-Subtilis	suptil	s-u-p-t-e-l
Warm	kaʎ	k-ah-ssha
Cold	fret	f-er-eh-t
Full	pʎe	p-ssha-eh
New	nəw	n-euh-w
Old	veʎ	v-ay-yuh
Good	bən	b-euh-n
Bad	mal	m-ah-l
Rotten	puðrit	p-u-dd-er-e-t
Straight	dret	d-er-eh-t
Round	rədo	r-aah-d-oh
SharpAsAKnife	əgut	aah-g-u-t
Smooth	suaw	s-u-ah-w
Smooth-Nitidus	net	n-eh-t
Dry	sek	s-eh-k
Near	proizme	p-er-oh-e-zz-m-ay
Near-AdPrope	əprəp	aah-p-er-euh-p
Near-Vicinus	bəi	b-aah-e
Far	ʎunta	yuh-u-n-t-ah
Right-Dextrem	destrə	d-ay-s-t-er-aah
Red	ros	r-oh-s
Red-Vermiculus	bərməʎ	b-aah-r-m-eh-yuh
Red-Rubeus	rudʒe	r-u-VdPalatoAlveolarSibilant-ay
Green	vərt	v-eh-er-t
Yellow-Croceus	grək	g-er-euh-k
White	alb	ah-l-b



## Appendix 4 - Word Lists by Language

One	un	u-n
Two-Duos	dos	d-oh-s
Three	trɛs	t-r-eh-s
Four	kwatrə	k-w-ah-t-er-aah
Five	siŋk	s-e-nya-k
Here	aki	ah-k-e
There	əʎa	aah-yuh-ah
Who-Qui	ki	k-e
What	kɛ	k-eh
When-Quando	kwan	k-w-ah-n
How-Quomodo	kɔm	k-euh-m
Not	no	n-oh
Not-Nec	ni	n-e
At	a	ah
In-In	ən	aah-n
In-Deintus	dins	d-e-n-s
And-Et	i	e
And-Si	si	s-e
Because-Quod	kə	k-aah

## Walloon

Cognate	IPA	Sounds
I	dʒɪ	VdPalatoAlveolarSibilant-I
We	no	n-oh
YouPlural	vos	v-oh-s
YouSingular	ty	t-eeh
Woman	fœm	f-uuh-m
Woman-Domina	dœm	d-uuh-m
ManHumanBeing	ɔm	euh-m
Child	ɛfɑ	eh-f-Nasala
Mother	mɛr	m-ay-VIUvularTrill
Father	pɛ:r	p-Eh-r
Fish-Pescion	pehɔ	p-eh-h-on
Bird-Avicellum	u:hɛ:	U-h-Eh
Dog	ʃɛ	ts-ehn
Louse	pju	p-jg-u
Snake	sjɛkpɛ	s-jg-eh-rr-p-ehn
Worm	vjɛr	v-jg-eh-VIUvularTrill
Tree	o:b	O-b
Fruit	fry	f-VIUvularTrill-eeh
Seed-Sementis	simɛs	s-e-m-ehn-s
Seed-Granum	grin	g-r-e-n
Leaf	fɔj	f-euh-jg
Root-Radicina	resɛn	VIUvularTrill-eh-s-eh-n
BarkOfATree-Skortea	skwas	s-k-w-ah-s
Flower	flɔ:r	f-l-o-rr
Grass	jɛp	jg-eh-p
Skin-Pellis	pja	p-jg-ah
Meat	ʃɔ:	ts-LongOpenMidBackRounded
Blood	sɔ:g	s-OOO-g
Bone	ɔʃ	euh-shh
FatNoun-Crassia	krɔ:ç	k-VIUvularTrill-LongOpenMidBackRounded-sh
Egg	u:	U
Horn	kwɛn	k-w-eh-n
Tail	kɔw	k-euh-w

## Appendix 4 - Word Lists by Language

Feather	plɒm	p-l-euh-m
Feather-Penna	pen	p-ay-n
Hair-Capillus	ʃivja	ts-e-v-jg-ah
Head-Testa	ʃes	ts-eh-s
Ear	ɔraj	euh-VIUvularTrill-aj
Eye	u:j	U-jg
Nose	ne	n-ay
Mouth	bɔk	b-euh-k
Mouth-Gula	gø:j	g-o-jg
Tooth	dē	d-ehn
Fingernail	ōg	on-g
Foot	pi:	p-E
Leg-Gamba	dʒāp	VdPalatoAlveolarSibilant-an-p
Knee-Geniculum	dʒino	VdPalatoAlveolarSibilant-e-n-euh
Hand	mē	m-ehn
Wing	el	ay-l
Belly	vēt	v-ehnn-t
Belly-Pantex	pās	p-an-s
Back	dɔ	d-euh
Back-Spatula	spal	s-p-ah-l
Heart	ku:ɤ	k-U-rr
Heart-Anima	ɔ:m	LongOpenMidBackRounded-m
Liver	fø:t	f-o-t
Sun	sɔlɔ	s-euh-l-euh
Moon	løn	l-uu-n
Star	stø:l	s-t-o-l
Water	ɛ:w	Eh-w
Rain	plu:ɤ	p-l-U-rr
River-Riparia	rivi:ɤ	r-e-v-E-rr
Lake	lak	l-ah-k
Sea	meɤ	m-ay-rr
Salt	se	s-ay
Stone-Petra	pi:ɤ	p-E-rr
Sand-Sabulum	so:vjō	s-O-v-jg-on
Earth	tɛ:ɤ	t-Eh-rr
Sky	si:ɤ	s-E-rr
Wind	vē	v-ehn
Snow	ni:f	n-E-f
Ice-Glacies	gles	g-l-eh-s
Fire-Focus	fø:	f-o
Ash	sē:d	s-LongNasalE-d
Mountain-Montanea	mōtap	m-on-t-ah-VdPalatalNasal
Night	nyt	n-eeh-t
Day	dʒu:	VdPalatoAlveolarSibilant-U
Day-Diurnus	dʒu:	VdPalatoAlveolarSibilant-U
Year	ā	NasalA
Name-Nomen	nō	n-on
Tongue	lēu	l-ehnun
ToDrink	bø:ɤ	b-o-rr
ToEat-Manducare	mapi:	m-ah-VdPalatalNasal-E
ToSuck	sysi:	s-eeh-s-E
ToVomit	vo:mi	v-O-m-e
ToBlow	sufle	s-u-f-l-ay
ToLaugh	ki:ɤ	rr-E-rr
ToSee	vi:r	v-E-VIUvularTrill
ToHear	ōr	on-VIUvularTrill
ToKnow-Sapere	savø:r	s-ah-v-o-VIUvularTrill

## Appendix 4 - Word Lists by Language

ToKnow-Cognoscere	kinɔh	k-e-n-euh-h
ToThink-Pensare	pɛse	p-ehnn-s-ay
ToSmell-Sentire	sɛti	s-ehnn-t-e
ToSleep	dwaɣmi	d-w-ah-rr-m-e
ToDie	mɔri	m-euh-VIUvularTrill-e
ToKill-Tutari	tuwe	t-u-w-ay
ToFight-Battuere	bate	b-ah-t-ay
ToHunt-Captiare	ʃɛsi:	ts-eh-s-E
ToCut-Taliare	tɛji:	t-eh-jg-E
ToSplit-Findere	fɛt	f-ehnn-t
ToSplit-Partire	pɔ:rti	p-LongOpenMidBackRounded-VIUvularTrill-t-e
ToSwim-Navigare	nɛdʒi:	n-eh-VdPalatoAlveolarSibilant-E
ToFly	vole	v-euh-l-ay
ToWalk	ʃimine	ts-e-m-e-n-ay
ToWalk-Marcher	ma:rtʃi:	m-A-VIUvularTrill-ts-E
ToCome	vini	v-e-n-e
ToLieAsInABed-lacere	dʒere	VdPalatoAlveolarSibilant-ay-r-ay
ToStand	ɛs	eh-s
ToStand-Levare	lɔve	l-aah-v-ay
ToStand-Altiare	hɔ:si:	h-LongOpenMidBackRounded-s-E
ToTurnIntransitive	tu:rne	t-U-r-n-ay
ToTurnIntransitive-AncestralClass3	viɣe	v-e-rr-ay
ToFall	ʃɛ:r	ts-Eh-VIUvularTrill
ToFall-Tumbare	tume	t-u-m-ay
ToGive-Donare	dine	d-e-n-ay
ToHold	tini	t-e-n-e
ToSqueeze-Serare	sere	s-eh-VIUvularTrill-ay
ToSqueeze-Stringere	stringe	s-t-r-e-n-g-ay
ToRub	froj	f-r-ɔj_diphthong
ToRub-Frictare	fɣote	f-rr-oh-t-ay
ToWash	lave	l-ah-v-ay
ToWipe-Exsucare	suwe	s-u-w-ay
ToPull	tire	t-e-r-ay
ToPull-Pulsare	pu:si:	p-U-s-E
ToThrow	dʒete	VdPalatoAlveolarSibilant-eh-t-ay
ToThrow-Lanceare	lanci:	l-ah-n-tya-E
ToTie	lɔji:	l-euh-jg-E
ToSew	kø:z	k-o-zz
ToCount	kɔte	k-on-t-ay
ToSay	di:ɣ	d-E-rr
ToSing-AncestralClass	ʃɛte	ts-NasalA-t-ay
ToPlay-Jiocare	dʒuwe	VdPalatoAlveolarSibilant-u-w-ay
ToFlow-Colare	kɔle	k-euh-l-ay
ToFlow-Currere	kɔri	k-euh-VIUvularTrill-e
ToFreeze	dʒale	VdPalatoAlveolarSibilant-ah-l-ay
ToSwell-Inflare	ɛfle	ehn-f-l-ay
ToSwell-Conflare	gɔfle	g-on-f-l-ay
ToBurn-Brojan	bɣu:le	b-rr-U-l-ay
All-Totus	tɔ	t-euh
Few	pɔ	p-on
Other	ɔt	on-t
Big-Grandem	gɣã	g-rr-NasalA
Long-Longum	lɔ	l-on
Thick-Spissum	spe	s-p-eh
Heavy	grav	g-r-ah-v
Small	piti	p-e-t-e
Short	ku:ɣ	k-U-rr

## Appendix 4 - Word Lists by Language

Short-Brevis	bʁɛf	b-rr-ay-f
Narrow-Strictus	stʁø:	s-t-rr-o
Thin	minu	m-e-n-u
Thin-Subtilis	su:ti	s-U-t-e
Warm	ʃð	ts-on
Cold	frwɛ	f-VIUvularTrill-w-eh
Full	plɛ	p-l-ehn
New	nɔvɛ	n-euh-v-eh
Old	vi:	v-E
Good	bō	b-on
Bad	mɔ:	m-LongOpenMidBackRounded
Straight	drø:	d-r-o
Round	rō	r-on
Dry	sɛʃ	s-eh-ts
Near-Pressus	prɛ	p-r-eh
Near-Vicinus	viʒɛ	v-e-gzah-ehn
Red-Rubeus	rɔʃ	r-euh-ts
Green	vɛʁ	v-eh-rr
Yellow	dʒɛn	VdPalatoAlveolarSibilant-eh-n
One	ō	on
Two-Duos	dø:	d-o
Three	trø:	t-r-o
Four	kwat	k-w-ah-t
Five	sɛk	s-ehn-k
There	la	l-ah
Who-Qui	ki:	k-E
What	kwe:	k-w-Eh
When-Quando	kwand	k-w-ah-n-d
How-Quomodo	kɔmɛ	k-euh-m-ehnn
Not	nō	n-oon
Not-Nec	nɛ	n-ehn
At	a	ah
With-Abhoc	avu	ah-v-u
And-Et	ɛ	eh
And-Si	si	s-e
Because-Quod	ki:	k-E

## Friulian

Cognate	IPA	Sounds
I	jɔ	jg-oh
We	no:	n-O
YouPlural	vo:	v-O
YouSingular	tu	t-u
Woman	femine	f-eh-m-e-n-eh
Woman-Mulier	mui:r	m-u-E-r
Woman-Domina	dɔne	d-euh-n-ay
ManHumanBeing	ɔm	euh-m
Wife-Mulier	mui:r	m-u-E-r
Husband	mari:t	m-ah-r-E-t
Husband-Sponsus	spo:s	s-p-O-s
Mother	mari	m-ah-r-e
Father	pari	p-ah-r-e
Animal	nema:l	n-ay-m-A-l
Animal-Bestia	bis	b-e-s
Fish-Piskem	pɛs	p-eh-s

## Appendix 4 - Word Lists by Language

Bird-Avicellum	uffjel	u-ts-jg-eh-l
Dog	can	tya-ah-n
Louse	pedoli	p-ay-d-oh-l-e
Snake	sarpint	s-ah-r-p-e-n-t
Worm	vjer	v-jg-eh-r
Tree	arbul	ah-r-b-u-l
Forest	selve	s-eh-l-v-ay
Stick	pa:l	p-A-l
Fruit	frut	f-r-u-t
Seed-Sementis	semenffe	s-ay-m-eh-n-ts-eh
Seed-Granum	gran	g-r-ah-n
Leaf	fwee	f-w-ay-ay
BarkOfATree-Skortea	skwartse	s-k-w-ah-r-VIAlveolarSibilantAffricate-ay
Flower	flo:r	f-l-O-r
Grass	jarbe	jg-ah-r-b-ay
Skin-Pellis	pjel	p-jg-eh-l
Meat	ca:r	tya-A-r
Blood	sanjk	s-ah-nya-k
Bone	vwes	v-w-eh-s
Egg	u:f	U-f
Horn	kwa:r	k-w-A-r
Tail	kode	k-euh-d-eh
Feather	plume	p-l-u-m-eh
Feather-Penna	pene	p-eh-n-ay
Hair	pe:l	p-ai-l
Hair-Capillus	cavej	tya-ah-v-ayj
Head	ca:f	tya-A-f
Head-Testa	teste	t-eh-s-t-ay
Ear	orele	oh-r-ay-l-ay
Eye	voli	v-oh-l-e
Nose	na:s	n-A-s
Mouth	bocce	b-euh-tya-eh
Mouth-Gula	gole	g-euh-l-ay
Tooth	dint	d-e-n-t
Fingernail	onggule	euh-nya-g-u-l-eh
Foot	pi:t	p-E-t
Leg-Gamba	jambe	VdPalatalStop-ah-m-b-ay
Leg-Petiolus	pekol	p-eh-k-oh-l
Knee-Geniculum	dzenoli	VdPalatoAlveolarSibilant-ay-n-oh-l-e
Hand	manj	m-ah-nya
Wing	ale	ah-l-ay
Belly	vintri	v-e-n-t-r-e
Belly-Pantex	pantse	p-ah-n-VIAlveolarSibilantAffricate-ay
Neck	kwel	k-w-eh-l
Back	dwes	d-w-ay-s
Back-Spatula	spale	s-p-ah-l-eh
Breast	sen	s-ay-n
Breast-Pectus	pet	p-eh-t
Heart	ku:r	k-U-r
Heart-Anima	anime	ah-n-e-m-ay
Liver	fija:t	f-e-jg-A-t
Sun-Soliculus	soreli	s-oh-r-ay-l-e
Moon	lune	l-u-n-ay
Star	stele	s-t-eh-l-ay
Water	age	ah-g-ay
Rain	ploje	p-l-oh-jg-ay
River	flum	f-l-u-m

## Appendix 4 - Word Lists by Language

Lake	la:t	l-A-t
Sea	ma:r	m-A-r
Salt	sa:l	s-A-l
Stone-Petra	pje:re	p-jg-ai-r-ay
Sand-Sabulum	savalɔn	s-ah-v-ah-l-euh-n
Dust	pɔlvar	p-euh-l-v-ah-r
Earth	tjere	t-jg-eh-r-ay
Cloud-Secondary	nu:l	n-U-l
Fog-Fumata	fumate	f-u-m-ah-t-ay
Sky	tʃi:l	ts-E-l
Wind	'vint	v-e-n-t
Snow	ne:f	n-ai-f
Ice-Glacies	glatʃe	g-l-ah-ts-ay
Smoke	fum	f-u-m
Fire-Focus	fu:k	f-U-k
Ash-Cinisia	tʃinize	ts-e-n-e-zz-eh
Mountain	mɔnt	m-euh-n-t
Mountain-Montanea	mɔntape	m-euh-n-t-ah-VdPalatalNasal-ay
Night	not	VdPalatalNasal-euh-t
Day	di	d-e
Day-Diurnata	ɖɔrnade	VdPalatoAlveolarAffricate-oh-r-n-ah-d-ay
Year	aŋ	ah-nya
Name-Nomen	nɔŋ	n-euh-nya
Tongue	'lenge	l-eh-n-g-eh
ToDrink	bevi	b-ay-v-e
ToEat-Manducare	manja:	m-ah-nya-VdPalatalStop-A
ToBite	mwardi	m-w-ah-r-d-e
ToSuck	cuca:	tya-u-tya-A
ToSpit-Sputare	spuda:	s-p-u-d-A
ToBlow	sofla:	s-oh-f-l-A
ToBreathe	respira:	r-ay-s-p-e-r-A
ToLaugh	ridi	r-e-d-e
ToSee	vjodi	v-jg-oh-d-e
ToHear	uldi:	u-l-d-E
ToKnow-Sapere	save:	s-ah-v-ai
ToKnow-Cognoscere	koposi	k-oh-VdPalatalNasal-oh-s-e
ToThink-Pensare	peŋsa:	p-ay-nya-s-A
ToSmell-Sentire	sinti:	s-e-n-t-E
ToFear	temi	t-ay-m-e
ToFear-Tremere	trima:	t-r-e-m-A
ToSleep	durmi:	d-u-r-m-E
ToLive	vivi	v-e-v-e
ToDie	muri:	m-u-r-E
ToKill-Mactare	maʃa:	m-ah-ts-A
ToFight-Battuere	bati	b-ah-t-e
ToHunt-Captiare	caʃa:	tya-ah-ts-A
ToHit	pulsa:	p-u-l-s-A
ToCut	sea:	s-ay-A
ToCut-Excurtare	skurta:	s-k-u-r-t-A
ToCut-Taliare	taja:	t-ah-jg-A
ToSplit	dividi	d-e-v-e-d-e
ToSplit-Partire	parti:	p-ah-r-t-E
ToSplit-Separare	separa:	s-ay-p-ah-r-A
ToScratch	rada:	r-ah-d-A
ToScratch-Rasare	rasa:	r-ah-s-A
ToDig-Cavare	java:	VdPalatalStop-ah-v-A
ToDig-Excavare	zjava:	zz-VdPalatalStop-ah-v-A

## Appendix 4 - Word Lists by Language

ToSwim	nada:	n-ah-d-A
ToSwim-Navigare	naviga:	n-ah-v-e-g-A
ToFly-Exvolare	zvola:	zz-v-oh-l-A
ToWalk	camina:	tya-ah-m-e-n-A
ToCome	vijni:	v-e-VdPalatalNasal-E
ToLieAsInABed-lacere	jesi	jg-ay-s-e
ToSit-Sedentare	senta:	s-ay-n-t-A
ToStand	sta:	s-t-A
ToStand-Levare	leva:	l-ay-v-A
ToStand-Altiare	altja:	ah-l-t-shh-A
ToTurnIntransitive	torna:	t-oh-r-n-A
ToTurnIntransitive-Gyrate	džira:	VdPalatoAlveolarSibilant-e-r-A
ToTurnIntransitive-AncestralClass3	džira:	VdPalatoAlveolarSibilant-e-r-A
ToFall	ffjade	ts-jg-ah-d-ay
ToGive	da:	d-A
ToGive-Donare	dona:	d-oh-n-A
ToHold	tinji	t-e-n-jg-e
ToSqueeze	esprimi	ay-s-p-r-e-m-e
ToSqueeze-Stringere	strengi:	s-t-r-eh-n-g-E
ToRub	frea	f-r-ay-ah
ToWash	lava:	l-ah-v-A
ToWipe-Exsucare	suja:	s-u-jg-A
ToPull	tira:	t-e-r-A
ToPull-Pulsare	pulsa:	p-u-l-s-A
ToPull-Trahere	traj	t-r-aj
ToThrow-Lanceare	lanfja:	l-ah-n-ts-A
ToTie	lea:	l-ay-A
ToSew	kuzi	k-u-zz-e
ToCount	konta:	k-oh-n-t-A
ToCount-Numerare	numera:	n-u-m-ay-r-A
ToSay	di:	d-E
ToSing-AncestralClass	canta:	tya-ah-n-t-A
ToPlay-Jiocare	džuja:	VdPalatoAlveolarSibilant-u-jg-A
ToFlow-Excurrere	skori:	s-k-oh-r-E
ToFlow-Currere	kori	k-oh-r-e
ToFreeze-Glaciare	glafja:	g-l-ah-ts-A
ToSwell-Inflate	enfla:	ay-n-f-l-A
ToSwell-Conflate	zgloŋfa:	zz-g-l-oh-nya-f-A
ToBurn-Brojan	bruza:	b-r-u-zz-A
ToBurn-Flammare	flama:	f-l-ah-m-A
All-Totus	dut	d-u-t
Many	mole	m-oh-l-tya
Many-Tantus	tanc	t-ah-n-tya
Few	po:k	p-O-k
Other	altri	ah-l-t-r-e
Big-Grandem	grant	g-r-ah-n-t
Long-Longum	lunk	l-u-n-k
Long-Largum	lark	l-ah-r-k
Thick	gras	g-r-ah-s
Thick-Grossum	grwæs	g-r-w-eh-s
Heavy	grevi	g-r-eh-v-e
Small-Pitulus	piŋful	p-e-ts-u-l
Short	kurt	k-u-r-t
Narrow-Strictus	stret	s-t-r-eh-t
Thin	minu:t	m-e-n-U-t
Thin-Subtilis	suti:l	s-u-t-E-l
Warm	calt	tya-ah-l-t

## Appendix 4 - Word Lists by Language

Cold	fre:t	f-r-ai-t
Cold-Recens	retsint	r-ay-VlAlveolarSibilantAffricate-c-n-t
Full	plɛn	p-l-eh-n
New	nu:f	VdPalatalNasal-U-f
Old	vjei	v-jg-ay-e
Good	bɔn	b-euh-n
Bad	ma:l	m-A-l
Dirty-Spurcus	spɔrk	s-p-euh-r-k
Straight	drɛt	d-r-eh-t
Round	tarɔnt	t-ah-r-euh-n-t
Smooth-Nitidus	net	n-eh-t
Wet	umid	u-m-e-d
Dry	sek	s-eh-k
Near	prosim	p-r-oh-s-c-m
Near-Vicinus	viʃin	v-e-ts-e-n
Far	lontan	l-oh-n-t-ah-n
Right-Dextrem	djestri	d-jg-ay-s-t-r-e
Left	siɲestri	s-e-VdPalatalNasal-ay-s-t-r-e
Red	rɔs	r-euh-s
Green	vert	v-eh-r-t
One	uɲ	u-nya
Two-Duos	doj	d-oj_diphthong
Three	'tre:	t-r-ai
Four	kwatri	k-w-ah-t-r-e
Five	'ʃɪŋk	ts-e-nya-k
Here	aki	ah-k-e
Who-Qui	kwi	k-w-e
What	ʃfe	ts-ay
When-Quando	kwant	k-w-ah-n-t
How-Quomodo	ʃʃemu:t	ts-ay-m-U-t
Not	no	n-oh
At	a	ah
And-Et	e	ay
And-Si	si	s-e
Because-Quod	ke	k-ay

## Romanian

Cognate	IPA	Sounds
I	jew	jg-ay-w
We	noj	n-oj_diphthong
YouPlural	voj	v-oj_diphthong
YouSingular	tu	t-u
Woman	femeje	f-ay-m-ay-jg-ay
Woman-Mulier	mujere	m-u-jg-ay-r-ay
Woman-Domina	doamɔ	d-oaa-m-n-aah
ManHumanBeing	om	oh-m
Wife-Mulier	mujere	m-u-jg-ay-r-ay
Husband	mɔrit	m-aah-r-e-t
Husband-Socius	sɔts	s-oh-VlAlveolarSibilantAffricate
Father-Tata	tatɔ	t-ah-t-aah
Animal	nɔmaje	n-aah-m-ah-jg-ay
Fish-Piskem	peʃte	p-ay-shh-t-ay
Bird-Passerem	pasɔre	p-ah-s-aah-er-ay
Dog	kijne	k-eeej-n-ay
Louse	pɔdukje	p-aah-d-u-k-jg-ay



## Appendix 4 - Word Lists by Language

Snake	ʃarpe	shh-ah-er-p-ay
Worm	vjerme	v-jg-ay-r-m-ay
Tree	arbore	ah-r-b-oh-r-ay
Stick	par	p-ah-er
Fruit	frukt	f-r-u-k-t
Seed-Sementis	səminʃə	s-aah-m-eee-n-ts-aah
Seed-Gratum	griw	g-r-iw
Leaf	foaje	f-oaa-jg-ay
Leaf-Frondea	frunzə	f-er-u-n-zz-aah
Root-Radicina	rədəʃʃinə	r-aah-d-aah-ts-e-n-aah
BarkOfATree-Skortea	skoartsə	s-k-oaa-er-VIAlveolarSibilantAffricate-aah
Flower	floare	f-l-oaa-er-ay
Grass	jarbə	jg-ah-er-b-aah
Rope	funje	f-u-n-jg-ay
Skin-Pellis	pjele	p-jg-ay-l-ay
Meat	karne	k-ah-er-n-ay
Blood	sindʒe	s-eee-n-VdPalatoAlveolarSibilant-ay
Bone	os	oh-s
Egg	ow	oh-w
Horn	korn	k-oh-r-n
Tail	coadə	tya-oaa-d-aah
Feather-Penna	panə	p-ah-n-aah
Hair	pər	p-aah-er
Head	kap	k-ah-p
Head-Testa	tseastə	VIAlveolarSibilantAffricate-eha-s-t-aah
Ear	ureke	u-r-ay-k-ay
Eye	okj	oh-kpalatal
Nose	nas	n-ah-s
Mouth	bukə	b-u-k-aah
Mouth-Gula	gucə	g-u-er-aah
Tooth	dinte	d-e-n-t-ay
Fingernail	ungje	u-n-g-jg-ay
Foot	piez	p-e-ay-zz
Leg-Gamba	gambə	g-ah-m-b-aah
Leg-Perna	gambə	g-ah-m-b-aah
Leg-Petiolus	piʃʃor	p-e-ts-jg-oh-r
Knee-Geniculum	dʒenunki	VdPalatoAlveolarSibilant-ay-n-u-n-kpalatal
Hand	minə	m-eee-n-aah
Belly	vintre	v-e-n-t-r-ay
Belly-Pantex	pintetʃe	p-eee-n-t-ay-ts-ay
Back	do	d-oh
Back-Spatula	spate	s-p-ah-t-ay
Breast	san	s-ah-n
Breast-Pectus	pjept	p-jg-ay-p-t
Heart-Anima	inimə	e-n-e-m-aah
Liver	fikat	f-e-k-ah-t
Sun	soare	s-oaa-er-ay
Moon	lunə	l-u-n-aah
Star	stea	s-t-eha
Water	apə	ah-p-aah
Rain	ploaje	p-l-oaa-jg-ay
River-Rivus	riw	r-eee-w
Lake	lak	l-ah-k
Sea	mare	m-ah-r-ay
Salt	sare	s-ah-r-ay
Stone-Petra	pjatrə	p-jg-ah-t-er-aah
Sand	arinə	ah-r-e-n-aah

## Appendix 4 - Word Lists by Language

Dust	pulbere	p-u-l-b-ay-r-ay
Earth	tsarə	VlAlveolarSibilantAffricate-ah-r-aah
Cloud-Secondary	nor	n-oh-r
Fog-Nebula	negurə	n-ay-g-u-r-aah
Fog-Caecia	tʃeatʃə	ts-eaha-ts-aah
Sky	tʃer	ts-ay-er
Wind	vint	v-eee-n-t
Snow	neə	n-eaha
Ice	dʒer	VdPalatoAlveolarSibilant-ay-r
Ice-Glacies	geatsə	g-eaha-VlAlveolarSibilantAffricate-aah
Smoke	fum	f-u-m
Fire-Focus	fok	f-oh-k
Ash-Cinisia	tʃenuʃə	ts-ay-n-u-shh-aah
Mountain	muntə	m-u-n-t-eh
Night	noapte	n-oaa-p-t-ay
Day	zi	zz-e
Year	an	ah-n
Name-Nomen	nume	n-u-m-ay
Tongue	limbə	l-e-m-b-aah
ToDrink	beə	b-eaha
ToEat-Manducare	minka	m-eee-n-k-ah
ToBite-Morsicare	murseka	m-u-r-s-ay-k-ah
ToSuck	sudʒe	s-u-VdPalatoAlveolarSibilant-ay
ToSpit-Exconspuere	skujpa	s-k-u-jg-p-ah
ToVomit	voame	v-oaa-m-ay
ToBlow	sufla	s-u-f-l-ah
ToLaugh	ride	er-eee-d-ay
ToSee	vedea	v-ay-d-eaha
ToHear	auzi	ah-u-zz-e
ToKnow	ʃti	shh-t-e
ToKnow-Cognoscere	kunoafte	k-u-n-oaa-shh-t-ay
ToThink	kudzeta	k-u-VdPalatoAlveolarSibilant-ay-t-ah
ToThink-Pensare	pəsa	p-aah-s-ah
ToSmell-Sentire	simtsi	s-e-m-VlAlveolarSibilantAffricate-e
ToFear	teme	t-ay-m-ay
ToSleep	dormi	d-oh-r-m-e
ToLive	via	v-e-ah
ToDie	muri	m-u-r-e
ToKill	neka	n-ay-k-ah
ToKill-Occidere	uʃide	u-ts-e-d-ay
ToFight-Battuere	bate	b-ah-t-ay
ToHit	pulsa	p-u-l-s-ah
ToCut-Excurtare	skurta	s-k-u-r-t-ah
ToCut-Taliare	taja	t-aah-jg-ah
ToSplit	divide	d-e-v-e-d-ay
ToSplit-Separare	separa	s-ay-p-ah-r-ah
ToStab	pundʒe	p-u-n-VdPalatoAlveolarSibilant-ay
ToScratch	rade	r-ah-d-ay
ToSwim-Navigare	naviga	n-ah-v-e-g-ah
ToFly-Exvolare	zbura	zz-b-u-er-ah
ToWalk-Mergere	merdʒe	m-ay-r-VdPalatoAlveolarSibilant-ay
ToCome	veni	v-ay-n-e
ToLieAsInABed	ekstinde	ay-k-s-t-e-n-d-ay
ToLieAsInABed-lacere	zəʃea	zz-aah-ts-eaha
ToSit	ʃedea	shh-ay-d-eaha
ToStand	sta	s-t-ah
ToStand-Levare	lua	l-u-ah

## Appendix 4 - Word Lists by Language

ToTurnIntransitive	turna	t-u-r-n-ah
ToTurnIntransitive-Torquere	toarʃe	t-oaa-r-ts-ay
ToFall	kədəa	k-aah-d-eaha
ToGive	da	d-ah
ToHold	tsine	VlAlveolarSibilantAffricate-e-n-ay
ToSqueeze	skreme	s-k-r-ay-m-ay
ToSqueeze-Stringere	strindʒe	s-t-r-eee-n-VdPalatoAlveolarSibilant-ay
ToRub	freka	f-r-ay-k-ah
ToWash	la	l-ah
ToWipe-Extergere	ʃterdʒe	shh-t-ay-r-VdPalatoAlveolarSibilant-ay
ToWipe-Exsucare	uska	u-s-k-ah
ToPull-Pulsare	pulsa	p-u-l-s-ah
ToPull-Trahere	tradʒe	t-r-ah-VdPalatoAlveolarSibilant-ay
ToPush	impindʒe	eee-m-p-e-n-VdPalatoAlveolarSibilant-ay
ToThrow-Eruncare	arunʒka	ah-er-u-nya-k-ah
ToTie	lega	l-ay-g-ah
ToSew	coase	tya-oaa-s-ay
ToCount-Numerare	numara	n-u-m-ah-r-ah
ToSay	ziʃe	zz-e-ts-ay
ToSay-Exponere	spune	s-p-u-n-ay
ToSing-AncestralClass	kinta	k-eee-n-t-ah
ToPlay-Jiocare	zuka	gzah-u-k-ah
ToFloat	fluctua	f-l-u-tya-t-u-ah
ToFlow-Excurrere	skurdʒe	s-k-u-er-VdPalatoAlveolarSibilant-ay
ToFlow-Currere	kurdʒe	k-u-er-VdPalatoAlveolarSibilant-ay
ToFreeze-Inglaciare	ingetsa	eee-n-g-ay-VlAlveolarSibilantAffricate-ah
ToSwell-Inflare	umfla	u-m-f-l-ah
ToSwell-Crescere	kreʃte	k-er-ay-shh-t-ay
ToBurn-Ardere	arde	ah-er-d-ay
ToBurn-Incendere	inʃindʒe	eee-n-ts-e-n-d-gzah-ay
ToBurn-AncestralClass8	ustura	u-s-t-u-r-ah
All-Totus	tot	t-oh-t
Many	mult	m-u-l-t
Other	alt	ah-l-t
Big-Majjorem	mare	m-ah-er-ay
Long-Longum	lung	l-u-n-g
Long-Largum	larg	l-ah-r-g
Wide	lat	l-ah-t
Thick	gras	g-r-ah-s
Thick-Grossum	gros	g-r-oh-s
Heavy	grew	g-er-ay-w
Small-Pittinus	putsin	p-u-VlAlveolarSibilantAffricate-e-n
Narrow	ingust	eee-nya-g-u-s-t
Narrow-Strictus	strimt	s-t-r-eee-m-t
Thin	mərunt	m-aah-r-u-n-t
Thin-Subtilis	subtsire	s-u-b-VlAlveolarSibilantAffricate-e-r-ay
Warm	kald	k-ah-l-d
Cold-Recens	reʃe	r-ay-ts-ay
Full	plin	p-l-e-n
New	now	n-oh-w
Old	vekʲ	v-ay-kpalatal
Good	bun	b-u-n
Rotten	putred	p-u-t-r-ay-d
Dirty-Spurcus	spurk	s-p-u-r-k
Straight	drept	d-r-ay-p-t
Round	rətund	r-aah-t-u-n-d
Smooth-Nitidus	neted	n-ay-t-ay-d

## Appendix 4 - Word Lists by Language

Wet	umed	u-m-ay-d
Wet-Udus	ud	u-d
Dry	sek	s-ay-k
Near-AdPrope	aproape	ah-p-r-oaa-p-ay
Near-Vicinus	veŋin	v-ay-ts-e-n
Red	rofu	er-oh-shh-u
Red-Rubeus	rojb	r-oj_diphthong-b
Green	verde	v-ay-er-d-ay
Yellow	galben	g-ah-l-b-ay-n
White	alb	ah-l-b
One	unu	u-n-u
Two-Duos	doj	d-oj_diphthong
Two-Duae	dowə	d-oh-w-aah
Three	trej	t-r-ayj
Four	patru	p-ah-t-r-u
Five	ŋinŋ	ts-e-n-ts
There	la	l-ah
Who-Quem	ŋine	ts-e-n-ay
What	ŋe	ts-ay
When-Quando	kind	k-eee-n-d
How-Quomodo	kum	k-u-m
Not	nu	n-u
At	a	ah
In-In	in	eee-n
With-Cum	ku	k-u
And-Et	e	ay
And-Si	ŋi	shh-e
Because-Quod	kə	k-aah

## Appendix 5 - Segment Groups

Where symbols appear in pairs, the one to the right represents a rounded vowel.

### Vowel

	Front	Near-Front	Central	Near-Back	Back
Close	i • y		ɨ		u
Near-close		ɪ		ʊ	
Close-mid	e • ø		ə		o
Mid					
Open-mid		œ • ε			ɔ
Near-open			ɐ		
Open		a			ɑ

### Long-Vowel

	Front	Near-Front	Central	Near-Back	Back
Close	iː				uː
Near-close					
Close-mid					
Mid	eː				oː
Open-mid		ɛː			ɔː
Near-open					
Open	øː		aː		

### Nasal-Vowel

	Front	Near-Front	Central	Near-Back	Back
Close	ĩ				ẽ
Near-close					ã
Close-mid					õ
Mid					
Open-mid		ẽ			õ
Near-open			ẽ • ã		
Open					ũ

## Appendix 5 - Segment Groups

### Long-Nasal-Vowel

	Front	Near-Front	Central	Near-Back	Back
Close					ẽ:
Near-close					
Close-mid					õ:
Mid					
Open-mid					
Near-open					
Open					

### Vowel-Diphthong

	Front	Near-Front	Central	Near-Back	Back
Close			ij • iw		
Near-close					
Close-mid					oj
Mid	ej				
Open-mid		ɛj			
Near-open		aj	ɐj		
Open			au		

### Nasal-Vowel-Diphthong

	Front	Near-Front	Central	Near-Back	Back
Close					
Near-close					
Close-mid					
Mid	ẽj • ẽu				
Open-mid		œ			
Near-open			ẽj		
Open			ẽw		

### Vowel-Non-Sylabic

	Front	Near-Front	Central	Near-Back	Back
Close					

## Appendix 5 - Segment Groups

Near-close					
Close-mid					
Mid					
Open-mid					
Near-open					
Open					

## Vowel-Diphthong-Non-Sylabic

	Front	Near-Front	Central	Near-Back	Back
Close					
Near-close					
Close-mid	ea				oa
Mid					
Open-mid					
Near-open					
Open					

## Pulmonic Consonants

Manner	Bilabial	Labial-Velar	Labio-Dental	Dental	Alveolar	Post-Alveolar	Retroflex	Palatal	Velar	Uvular	Glottal
Nasal, Stop											
Nasal	m				n			ɲ	ŋ		
Stop	p b	k <sup>w</sup> g <sup>w</sup>			t d			c ɟ	k g		
Sibilant, Fricative					s z	ʃ ʒ					
Fricative	β		f v	θ ð				ç ʝ	x ɣ	ʁ	h
Approximant							ɻ	j			
Tap/Flap					ɾ						
Trill					r					R	
Lateral, Fricative											
Lateral, Approximant					l			ʎ			
Lateral, Tap/Flap											

Shaded areas denote articulations judged to be impossible. Where symbols appear in pairs, the one to the right represents a modally voiced consonant.

## Non-Pulmonic Consonants

Manner	Palatal
Stop	k <sup>j</sup>
Ejective, Stop	
Ejective, Fricative	

## Appendix 5 - Segment Groups

Ejective, Lateral, Fricative	
Tenuis, Click	
Nasal, Click	
Tenuis, Lateral, Click	
Implosive	
Lateral, Approximant	

Shaded areas denote articulations judged to be impossible. Where symbols appear in pairs, the one to the right represents a modally voiced consonant.

### Pulmonic Affricates

Manner	Alveolar	Palato-Alveolar
Sibilant	ts	tʃ
Lateral		
Voiced		
Non-Sibilant		

Shaded areas denote articulations judged to be impossible.

### Ejective Affricates

Manner
Central
Lateral

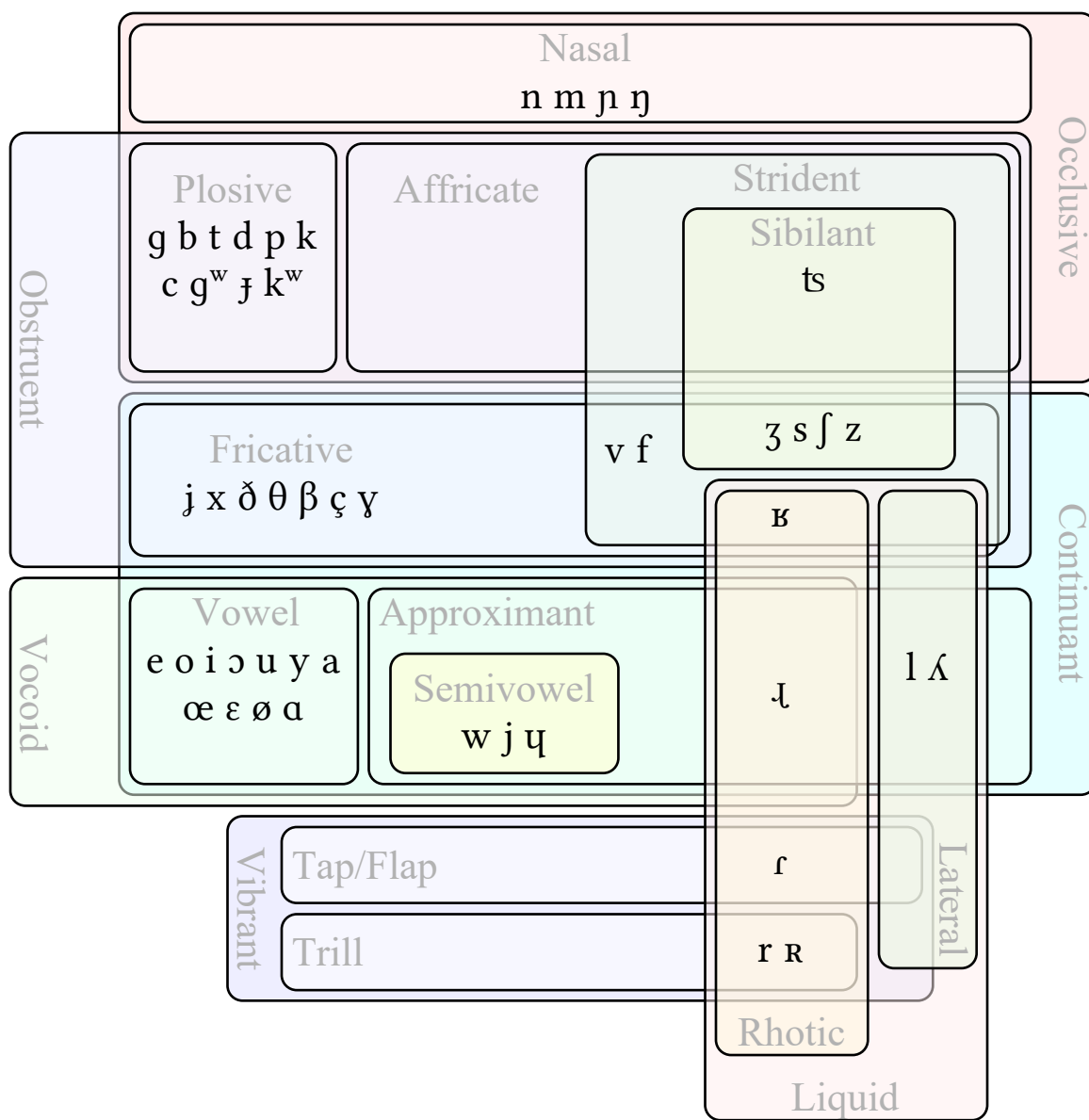
Shaded areas denote articulations judged to be impossible.

### Other Segments

w	Labial-Velar Vocoid Semivowel Voiced Approximant	ɖʒ	Palato-Alveolar Voiced Sibilant Affricate
	Continuant Labial Velar		
ɭ	Alveolar Voiced Velarized Pulmonic Lateral Approximant	ɥ	Labial-Palatal Vocoid Semivowel Voiced Approximant
			Continuant Palatalized Labial
dz	Alveolar Voiced Sibilant Affricate	ɟ̃	Palatal Nasal Approximant



## Appendix 6 - Euler Feature Diagram



## Appendix 7 - International Phonetic Alphabet

### IPA Segments

ẽj	ẽw̃	au̯	ɛ̞a
0250, 0303, 006A, 0303 Near-open Central Nasal Vowel Diphthong	0250, 0303, 0077, 0303 Open Central Nasal Vowel Diphthong	0061, 0075, 032F Open Central Vowel Diphthong	0065, 032F, 0061 Close-mid Front Vowel Diphthong Non-Syllabic
ɔ̞a	ẽj̃	ẽu̯	aj
006F, 032F, 0061 Close-mid Back Vowel Diphthong Non-Syllabic	1EBD, 006A, 0303 Mid Front Nasal Vowel Diphthong	1EBD, 0075, 032F Mid Front Nasal Vowel Diphthong	0061, 006A Near-open Near-Front Vowel Diphthong
aː	ej	eː	iː
0061, 02D0 Open Central Vowel Long Vowel Continuant	0065, 006A Mid Front Vowel Diphthong	0065, 02D0 Mid Front Vowel Long Vowel Continuant	0069, 02D0 Close Front Vowel Long Vowel Continuant
ɟ̃	kʲ	kʷ	oj
006A, 0303 Palatal Nasal Approximant	006B, 02B2 Palatal Stop Palatalized	006B, 02B7 Labial-Velar Pulmonic Stop Occlusive Labial Velar	006F, 006A Close-mid Back Vowel Diphthong
oː	uː	õː	øː
006F, 02D0 Mid Back Rounded Vowel Long Vowel Continuant	0075, 02D0 Close Back Rounded Long Vowel	00F5, 02D0 Close-mid Back Rounded Long Nasal Vowel	00F8, 02D0 Open Front Rounded Vowel Long Vowel
œ̃	ɐj	ẽ	ã
0153, 0303 Open-mid Near-Front Rounded Nasal Vowel Diphthong	0250, 006A Near-open Central Vowel Diphthong	0250, 0303 Near-open Central Rounded Nasal Vowel	0251, 0303 Near-close Back Nasal Vowel
ɔː	õ	ɛj	ɛː
0254, 02D0 Open-mid Back Rounded Vowel Long Vowel Continuant	0254, 0303 Open-mid Back Rounded Nasal Vowel	025B, 006A Open-mid Near-Front Vowel Diphthong	025B, 02D0 Open-mid Near-Front Vowel Long Vowel Continuant

## Appendix 7 - International Phonetic Alphabet

ẽ	g <sup>w</sup>	ij	iw
025B, 0303 Open-mid Near-Front Nasal Vowel	0261, 02B7 Labial-Velar Voiced Pulmonic Stop Occlusive Labial Velar	0268, 006A Close Central Vowel Diphthong	0268, 0077 Close Central Vowel Diphthong
ẽ:	a	b	c
1EBD, 02D0 Close Back Long Nasal Vowel	0061 Open Near-Front Vocoid Vowel Continuant Parent Vowel	0062 Bilabial Voiced Pulmonic Stop Occlusive	0063 Palatal Pulmonic Stop Occlusive
d	e	f	h
0064 Alveolar Voiced Pulmonic Stop Occlusive	0065 Close-mid Front Vocoid Vowel Continuant Parent Vowel	0066 Labio-Dental Pulmonic Fricative Strident Obstruent Continuant Labial Dental	0068 Glottal Pulmonic Fricative
i	j	k	l
0069 Close Front Vocoid Vowel Continuant Parent Vowel	006A Palatal Vocoid Semivowel Voiced Pulmonic Approximant Continuant	006B Velar Pulmonic Stop Occlusive	006C Alveolar Vocoid Voiced Pulmonic Lateral Approximant Rhotic Liquid
m	n	o	p
006D Bilabial Voiced Pulmonic Nasal Occlusive	006E Alveolar Voiced Pulmonic Nasal Occlusive	006F Close-mid Back Rounded Vocoid Vowel Continuant Parent Vowel	0070 Bilabial Pulmonic Stop Occlusive
r	s	t	u
0072 Alveolar Voiced Pulmonic Trill Rhotic Vibrant Liquid	0073 Alveolar Pulmonic Sibilant Fricative Strident Obstruent Continuant	0074 Alveolar Pulmonic Stop Occlusive	0075 Close Back Rounded Vocoid Vowel Continuant Parent Vowel
v	w	x	y
0076 Labio-Dental Voiced Pulmonic Fricative Strident Obstruent Continuant Labial Dental	0077 Labial-Velar Vocoid Semivowel Voiced Approximant Continuant Labial Velar	0078 Velar Pulmonic Fricative Obstruent Continuant	0079 Close Front Rounded Vocoid Vowel Continuant Parent Vowel

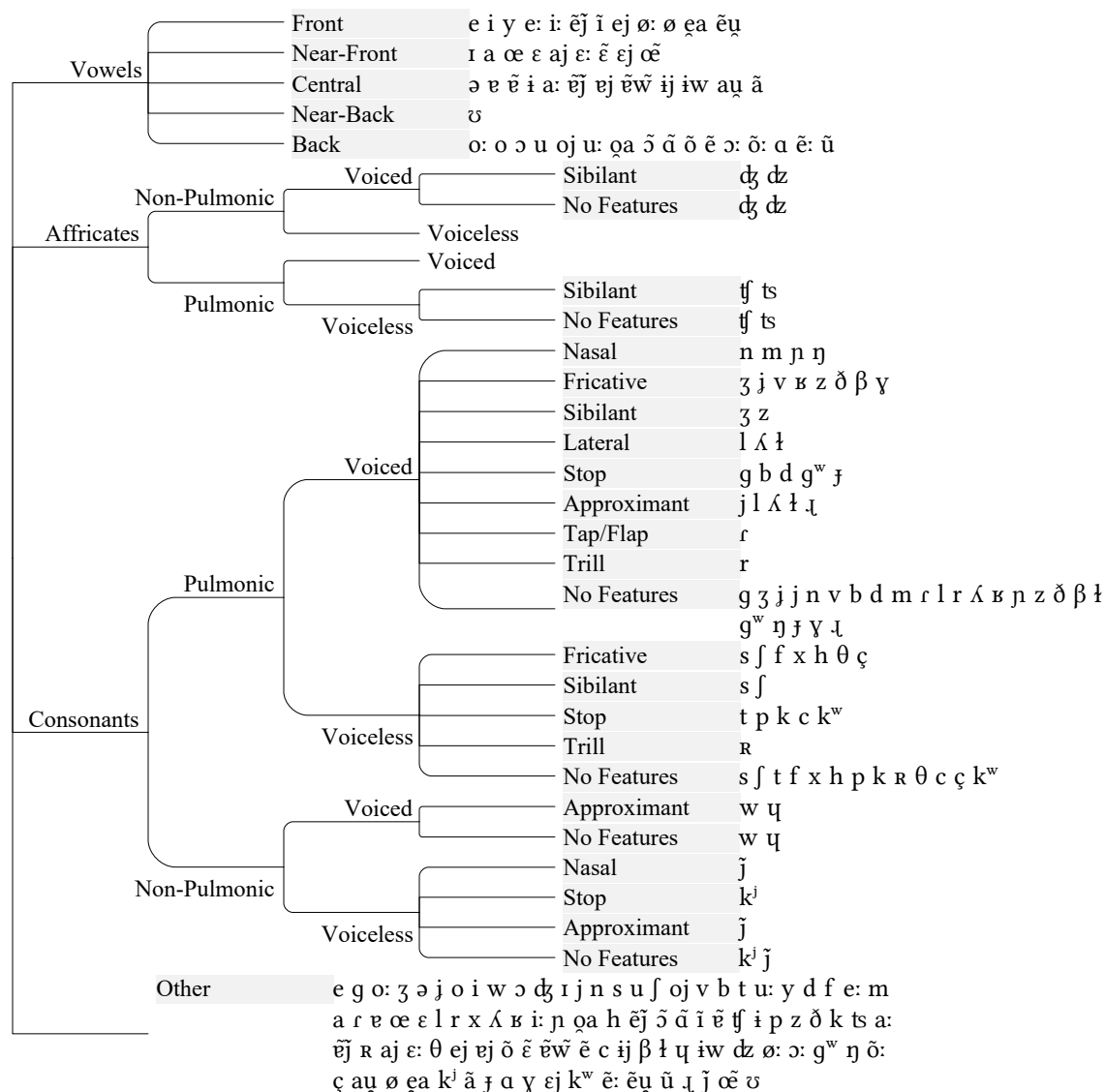
## Appendix 7 - International Phonetic Alphabet

<b>z</b>	<b>ã</b>	<b>ç</b>	<b>ð</b>
007A Alveolar Voiced Pulmonic Sibilant Fricative Strident Obstruent Continuant	00E3 Near-open Central Nasal Vowel	00E7 Palatal Pulmonic Fricative Obstruent Continuant	00F0 Dental Voiced Pulmonic Fricative Obstruent Continuant Dental
<b>õ</b>	<b>ø</b>	<b>ĩ</b>	<b>ŋ</b>
00F5 Close-mid Back Rounded Nasal Vowel	00F8 Close-mid Front Rounded Vocoid Vowel Continuant Parent Vowel	0129 Close Front Nasal Vowel	014B Velar Voiced Pulmonic Nasal Occlusive
<b>œ</b>	<b>ũ</b>	<b>ɐ</b>	<b>ɑ</b>
0153 Open-mid Near-Front Rounded Vocoid Vowel Continuant	0169 Open Back Nasal Vowel	0250 Near-open Central Rounded Vowel Parent Vowel	0251 Open Back Vocoid Vowel Continuant Parent Vowel
<b>ɔ</b>	<b>ə</b>	<b>ɛ</b>	<b>ʃ</b>
0254 Open-mid Back Rounded Vocoid Vowel Continuant Parent Vowel	0259 Close-mid Central Vowel Parent Vowel	025B Open-mid Near-Front Vocoid Vowel Continuant Parent Vowel	025F Palatal Voiced Pulmonic Stop Occlusive
<b>ɡ</b>	<b>ɣ</b>	<b>ɸ</b>	<b>ɨ</b>
0261 Velar Voiced Pulmonic Stop Occlusive	0263 Velar Voiced Pulmonic Fricative Obstruent Continuant	0265 Labial-Palatal Vocoid Semivowel Voiced Approximant Continuant Palatalized Labial	0268 Close Central Vowel Parent Vowel
<b>ɪ</b>	<b>ɭ</b>	<b>ɲ</b>	<b>ɻ</b>
026A Near-close Near-Front Vowel Parent Vowel	026B Alveolar Voiced Velarized Pulmonic Lateral Approximant	0272 Palatal Voiced Pulmonic Nasal Occlusive	027B Retroflex Vocoid Voiced Pulmonic Approximant Rhotic Liquid
<b>ɾ</b>	<b>ʀ</b>	<b>ʁ</b>	<b>ʂ</b>
027E Alveolar Voiced Pulmonic Tap/Flap Rhotic Vibrant Liquid	0280 Uvular Pulmonic Trill Rhotic Vibrant Liquid	0281 Uvular Voiced Pulmonic Fricative Rhotic Strident Obstruent Continuant Liquid	0283 Post-Alveolar Pulmonic Sibilant Fricative Strident Obstruent Continuant

## Appendix 7 - International Phonetic Alphabet

ʊ	ʌ	ɜ	j
028A	028E	0292	029D
Near-close Near-Back Rounded Vowel	Palatal Vowel Voiced Pulmonic Lateral Approximant Rhotic Liquid	Post-Alveolar Voiced Pulmonic Sibilant Fricative Strident Obstruent Continuant	Palatal Voiced Pulmonic Fricative Obstruent Continuant
dz	dʒ	ts	tʃ
02A3	02A4	02A6	02A7
Alveolar Voiced Sibilant Affricate	Palato-Alveolar Voiced Sibilant Affricate	Alveolar Pulmonic Sibilant Affricate Occlusive Strident	Palato-Alveolar Pulmonic Sibilant Affricate
β	θ	ẽ	
03B2	03B8	1EBD	
Bilabial Voiced Pulmonic Fricative Obstruent Continuant	Dental Pulmonic Fricative Obstruent Continuant Dental	Close Back Nasal Vowel	

## Appendix 8 - Feature Tree



## Diacritics

79

## Appendix 10 - Languages

### Latin



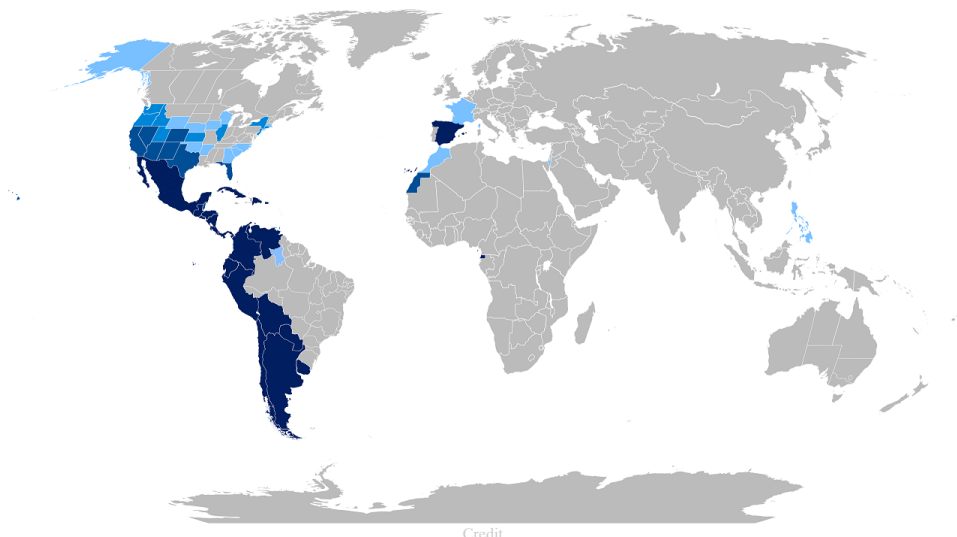
A classical language belonging to the Italic branch of the Indo-European languages. Latin was originally spoken in the area around Rome, known as Latium. Through the power of the Roman Republic, it became the dominant language in Italy, and subsequently throughout the western Roman Empire, before eventually becoming a dead language. Latin has contributed many words to the English language. In particular, Latin (and Ancient Greek) roots are used in English descriptions of theology, the sciences, medicine, and law.

By the late Roman Republic (75 BC), Old Latin had been standardised into Classical Latin. Vulgar Latin was the colloquial form spoken at that time and attested in inscriptions and the works of comic playwrights like Plautus and Terence[3] and author Petronius. Late Latin is the written language from the 3rd century; its colloquial form Vulgar Latin developed in the 6th to 9th centuries into the Romance languages, such as Italian, Sardinian, Venetian, Neapolitan, Sicilian, Piedmontese, Lombard, French, Franco-Provençal, Occitan, Corsican, Ladin, Friulan, Romansh, Catalan/Valencian, Aragonese, Spanish, Asturian, Galician, and Portuguese. Medieval Latin was used as a literary language from the 9th century to the Renaissance which used Renaissance Latin. Later, Early Modern Latin and New Latin evolved. Latin was the language of international communication, scholarship and science until well into the 18th century, when vernaculars (including the Romance languages) supplanted it. Ecclesiastical Latin remains the official language of the Holy See and the Roman Rite of the Catholic Church. Latin is a highly inflected language, with three distinct genders, six or seven noun cases, five declensions, four verb conjugations, six tenses, three persons, three moods, two voices, two or three aspects, and two numbers. The Latin alphabet is derived from the Etruscan and Greek alphabets and ultimately from the Phoenician alphabet.



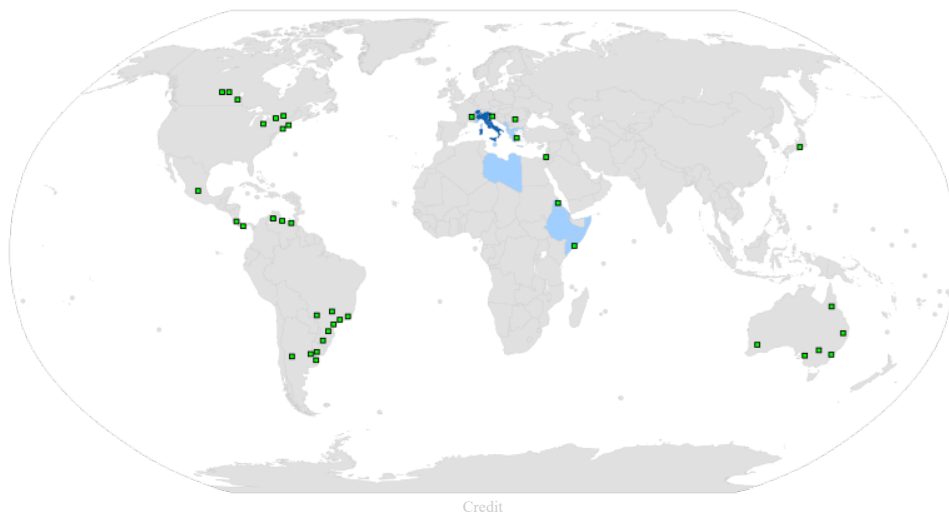


### Spanish



A Romance language that originated in the Iberian Peninsula of Europe. Today, it is a global language with nearly 500 million native speakers, mainly in Spain and the Americas. It is the world's second-most spoken native language after Mandarin Chinese, and the world's fourth-most spoken language overall after English, Mandarin Chinese, and Hindi.

### Italian



A Romance language of the Indo-European language family. Italian is the closest national language to Latin, from which it descends via vulgar Latin of the Roman Empire. Taking into account both national and regional languages, it is seen that Italian and Sardinian are together the least differentiated from Latin. Italian is an official language in Italy, Switzerland (Ticino and the Grisons), San Marino, and Vatican City. It has an official minority status in western Istria (Croatia and Slovenia).

It formerly had official status in Albania, Malta, Monaco, Montenegro (Kotor), Greece (Ionian Islands and Dodecanese), and is generally understood in Corsica by Corsican speakers (many linguists classify Corsican as an Italian dialect). It used to be an official language in the former colonial areas of Italian East Africa and Italian North Africa, where it still has a significant role in various sectors.

Italian is also spoken by large immigrant and expatriate communities in the Americas and Australia. Italian is included under the

## Appendix 10 - Languages

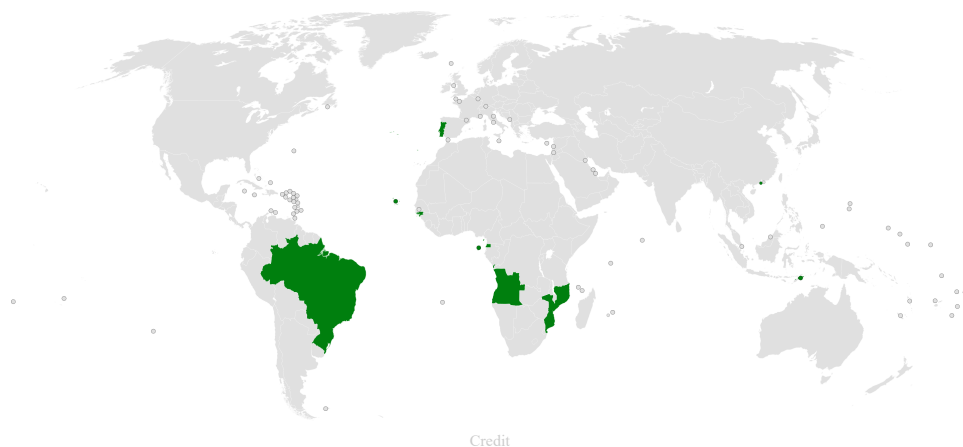
languages covered by the European Charter for Regional or Minority languages in Bosnia and Herzegovina and in Romania, although Italian is neither a co-official nor a protected language in these countries. Many speakers of Italian are native bilinguals of both Italian (either in its standard form or regional varieties) and another regional language of Italy.

### Brazilian Portuguese



The set of dialects of the Portuguese language native to Brazil and the most influential form of Portuguese worldwide. It is spoken by almost all of the 200 million inhabitants of Brazil and spoken widely across the Brazilian diaspora, today consisting of about two million Brazilians who have emigrated to other countries. With a population of over 205 million, Brazil is by far the world's largest Portuguese-speaking nation and the only one in the Americas.

### Portuguese



A Romance language originating in the Iberian Peninsula of Europe. It is the sole official language of Portugal, Angola, Mozambique, Guinea-Bissau, Cape Verde, São Tomé and Príncipe, and Brazil, while having co-official language status in East Timor, Equatorial Guinea, and Macau. A Portuguese-speaking person or nation is referred to as "Lusophone" (lusófono). As the result of expansion during colonial times, a cultural presence of Portuguese and Portuguese creole speakers are also found around the world. Portuguese is part of the Ibero-Romance group that evolved from several dialects of Vulgar Latin in the medieval Kingdom of Galicia and the County of Portugal, and has kept some Celtic phonology and its lexicon.

## Appendix 10 - Languages

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### Catalan



Credit

Catalan (/ˈkætələn, -æn, ˌkætəˈlæn/; autonym: *català* or *llengua catalana*; Eastern Catalan: [kətəˈla]), known in the Valencian Community and Carche as Valencian, is a Western Romance language derived from Vulgar Latin. It is the official language of Andorra, and a co-official language of three autonomous communities in eastern Spain: Catalonia, the Valencian Community and the Balearic Islands. It also has semi-official status in the Italian comune of Alghero. It is also spoken in the Pyrénées-Orientales department of France and in two further areas in eastern Spain: the eastern strip of Aragon and the Carche area in the Region of Murcia. The Catalan-speaking territories are often called the *Països Catalans* or "Catalan Countries".

The language evolved from Vulgar Latin in the Middle Ages around the eastern Pyrenees. Nineteenth-century Spain saw a Catalan literary revival, culminating in the early 1900s.

### Walloon



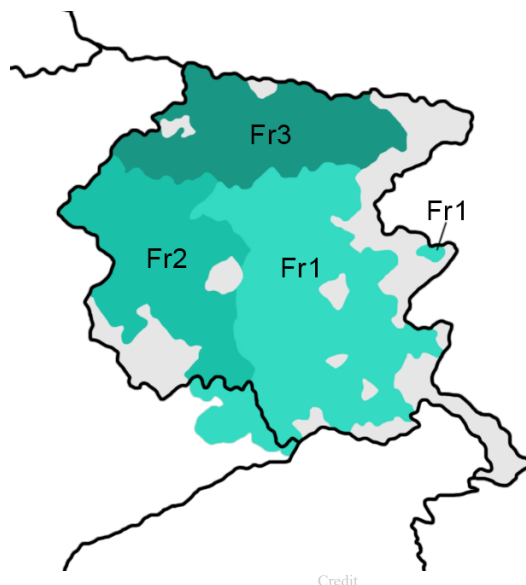
Credit

## Appendix 10 - Languages

A Romance language that is spoken in much of Wallonia and (to small extent) in Brussels, Belgium; some villages near Givet, northern France; a clutch of communities in northeastern Wisconsin, U.S.; and in some parts of Canada. It belongs to the langue d'oïl language family, the most prominent member of which is the French language. The historical background of its formation was the territorial extension since 980 of the Principality of Liège to the south and west.

Despite its rich literature, beginning anonymously in the 16th century and with well-known authors since 1756, the use of Walloon has decreased markedly since France's annexation of Wallonia in 1795. This period definitively established French as the language of social promotion, far more than it was before. After World War I, public schools provided French-speaking education to all children, inducing a denigration of Walloon, especially when accompanied by official orders in 1952 to punish its use in schools. Subsequently, since the middle of the 20th century, generational transmission of the language has decreased, resulting in Walloon almost becoming a dead language. Today it is scarcely spoken among younger people, with vast majority of its native speakers being the elderly (aged 65 and over). In 2007, the number of people with knowledge of the language was estimated at 600,000.

### Friulian



Credit

Friulian (/friˈuːliən/ free-OO-lee-ən) or Friulan (natively About this soundfurlan or marilenghe; Italian: friulano; German: Furlanisch; Slovene: furlanščina) is a Romance language belonging to the Rhaeto-Romance family, spoken in the Friuli region of northeastern Italy. Friulian has around 600,000 speakers, the vast majority of whom also speak Italian.

It is sometimes called Eastern Ladin since it shares the same roots as Ladin, but over the centuries, it has diverged under the influence of surrounding languages, including German, Italian, Venetian, and Slovene. Documents in Friulian are attested from the 11th century and poetry and literature date as far back as 1300. By the 20th century, there was a revival of interest in the language.

### Romanian



Romanian (obsolete spellings: Rumanian or Roumanian; autonym: *limba română* ['limba ro'minə] (About this soundlisten), or *românește*, lit. 'in Romanian') is a Balkan Romance language spoken by approximately 24–26 million people as a native language, primarily in Romania and Moldova, and by another 4 million people as a second language. According to another estimate, there are about 34 million people worldwide who can speak Romanian, of whom 30 million speak it as a native language. It is an official and national language of both Romania and Moldova and is one of the official languages of the European Union.

Romanian is a part of the Eastern Romance sub-branch of Romance languages, a linguistic group that evolved from several dialects of Vulgar Latin which separated from the Western Romance languages in the course of the period from the 5th to the 8th centuries. To distinguish it within the Eastern Romance languages, in comparative linguistics it is called Daco-Romanian as opposed to its closest relatives, Aromanian, Megleno-Romanian and Istro-Romanian. Romanian is also known as Moldovan in Moldova, although the Constitutional Court of Moldova ruled in 2013 that "the official language of the republic is Romanian".