

Character	Frequency %
m	4.3
n	4.1
o	4.0
p	4.0
q	3.9
r	3.8
s	3.8
t	3.6
u	3.5
v	3.1
w	3.0
x	2.8
y	2.8
z	2.7
aa	2.6
ab	2.5
ac	2.5
ad	2.1
ae	2.0
af	2.0
ag	1.9
ah	1.7
ai	1.6
aj	1.5
ak	1.4
al	1.3
am	1.3
an	1.2
ao	1.0
ap	0.9
aq	0.9
ar	0.8
as	0.8
at	0.7
au	0.7
av	0.7
aw	0.7
ax	0.7
ay	0.6
az	0.6
ba	0.6
bb	0.6
bc	0.6
bd	0.6
be	0.6
bf	0.5
bg	0.5
bh	0.5
bi	0.5
bj	0.5
bk	0.5
bl	0.5
bm	0.5
bn	0.5
bo	0.5
bp	0.5
bq	0.5
br	0.5
bs	0.5
bt	0.5
bu	0.5
bv	0.5
bw	0.5
ca	0.5
cb	0.5
cc	0.5
cd	0.5
ce	0.5
cf	0.5
cg	0.5
ch	0.5
ci	0.5
cj	0.5
ck	0.5
cl	0.5
cm	0.5
cn	0.5
co	0.5
cp	0.5
cq	0.5
cr	0.5
cs	0.5
ct	0.5
cu	0.5
cv	0.5
cw	0.5
da	0.5
db	0.5
dc	0.5
dd	0.5
de	0.5
df	0.5
dg	0.5
dh	0.5
di	0.5
dj	0.5
dk	0.5
dl	0.5
dm	0.5
dn	0.5
do	0.5
dp	0.5
dq	0.5
dr	0.5
ds	0.5
dt	0.5
du	0.5
dv	0.5
dw	0.5
ea	0.5
eb	0.5
ec	0.5
ed	0.5
ee	0.5
ef	0.5
eg	0.5
eh	0.5
ei	0.5
ej	0.5
ek	0.5
el	0.5
em	0.5
en	0.5
eo	0.5
ep	0.5
eq	0.5
er	0.5
es	0.5
et	0.5
eu	0.5
ev	0.5
ew	0.5
fa	0.5
fb	0.5
fc	0.5
fd	0.5
fe	0.5
ff	0.5
fg	0.5
fh	0.5
fi	0.5
fj	0.5
fk	0.5
fl	0.5
fm	0.5
fn	0.5
fo	0.5
fp	0.5
fq	0.5
fr	0.5
fs	0.5
ft	0.5
fu	0.5
fv	0.5
fw	0.5
ga	0.5
gb	0.5
gc	0.5
gd	0.5
ge	0.5
gf	0.5
gh	0.5
gi	0.5
gj	0.5
gk	0.5
gl	0.5
gm	0.5
gn	0.5
go	0.5
gp	0.5
gq	0.5
gr	0.5
gs	0.5
gt	0.5
gu	0.5
gv	0.5
gw	0.5
ha	0.5
hb	0.5
hc	0.5
hd	0.5
he	0.5
hf	0.5
hg	0.5
hi	0.5
hj	0.5
hk	0.5
hl	0.5
hm	0.5
hn	0.5
ho	0.5
hp	0.5
hq	0.5
hr	0.5
hs	0.5
ht	0.5
hu	0.5
hv	0.5
hw	0.5
ia	0.5
ib	0.5
ic	0.5
id	0.5
ie	0.5
if	0.5
ig	0.5
ih	0.5
ii	0.5
ij	0.5

Appendix 2 - Symbols

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

Appendix 2 - Symbols

n	Word length Number of segments in a word
r	Rate parameter
θ	Rate parameters Parameters associated with the rate matrix
$\theta \boxtimes$	Proposal New value proposal
q	Proposal probability Probability of new proposal
u	Random number
R	Acceptance probability Probability of accepting a proposed value
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 - Segments used in the word list

Char.	Segment	Words containing this segment
0	e	<p>ego:, ew, jew, usted, vose, vose, voste, embra, femmina, femev, femjv, fembra, femeje, mulierem, muxer, moλλe, muλex, muλer, muλe, mujere, dōne, hominem, ombre, infantem, infante, fante, nenēj, nen, epuz, esposa, mulier, muxer, moλλe, muλex, muλer, muλe, mujere, epu, esposo, ma:trem, meκ, maðre, ma:dre, mer, patre, peκ, paðre, pa:dre, nema:l, nōmajē, piskem, peθ, peffe, pef, pefte, awem, abe, awikellum, useλ, passerem, passero, pasōre, peduklus, pedoli, pādukje, serpentem, seκpā, serpjente, serpente, seκpēfji, sərpen, fərpe, serpens, sjerpe, sepe, serp, fərpe, wermem, veκ, berme, verme, veκmi, vermi, vjerme, arborem, alberō, arbore, selba, selva, selve, fwee, fəaje, frondea, flo:rem, fjo:re, fləare, webo, penna, peja, penv, pen, pene, pelo, pelu, kabejo, kapello, kabelu, kəβelu, kaβeθa, kavettsa, kabesv, kəβesv, testa, testā, teste, orexa, orekkja, oreλv, orele, ureke, ne, nariife, gəle, el, ale, kwejo, epol, espalda, spate, seno, sen, pektus, pejfo, pjēpt, kwōre, anime, fegato, fedə, so:lem, sole, sqare, soreli, lune, etwal, estreja, stella, istrelv, iftrele, stele, age, ploje, pləaje, flu:men, fjume, vjivjv, mare, meκ, sa:lem, sale, se, sare, terra, teκ, tjera, teκv, tjere, nube, ka:li:ginem, kalidžine, nebula, njebla, nebbja, newlā, negurā, tene:braj, te:nebre, tene:bra:s, tenebv, tinjeblas, te:nebre, tanebrās, fyne, fumate, θjelo, tjer, wentum, bjento, ben, gelu:, jelo, djer, fwego, kinerem, tjerene, θeniθa, tjerufə, montem, monte, monta:nea, mōntape, noctem, nofje, nōtte, nqapte, zuκne, dzornade, nōmen, nō:me, nume, nō:minem, nombre, leŋgwa, bibere, beber, bere, bebev, biβer, bevi, komedere, komer, kome, kumer, manduka:re, māze, manđare, morde:re, morðer, mōrdere, moκdeκ, murðer, morsika:re, morsikare, murseka, su:gere, syse, suđe, konspuere, kōspyē, eskupir, sputere, esputar, sputare, ski:re, sapere, saber, sabev, seber, kogno:skere, konoθer, konoffere, kojesek, kupiser, kuqaste, ko:gita:re, kqide, kodžitare, kuđeta, pe:nsa:re, pāse, pensar, pensare, pēse, pejsa:, time:re, temer, temere, temev, timer, temā, temi, teme, tremere, tremar, tremare, tremev, trimer, dormi:re, dormire, wi:were, vivere, vivev, viver, morire, mokev, muker, neka:re, nwaje, neka, anegar, annegare, tje, tuwe, makta:re, mate, okki:dere, utfidere, ufide, pugna:re, puɲnare, battuere, battere, batev, betar, bate, kaptia:re, fase, kattfare, pulsa:re, puse, pulsare, seka:re, sje, segar, segare, segav, sea:, kurta:re, ekskurta:re, ekurte, skortare, ta:lia:re, taje, taλλa:re, di:widere, dividere, divide, skindere, sēde, findere, findere, ender, fendere, fēdev, fēder, parti:re, partire, se:para:re, sōvve, separar, separare, separav, separa:, separa, pungere, punđere, punđe, jugula:re, zygye, jugula:re, radere, raer, radere, kaev, vaer, rade, vaze, rasare, fodere, kawa:re, kavare, qv:le, ekskawa:re, eskabar, skavare, nata:re, nwotare, naviga:re, naze, nabegar, navigare, wola:re, vole, volare, vōle, zvolare, fəmine, kamminare, tfinime, makse, mergere, merđere, merđe, ambita:re, andare, weni:re, benir, venire, veni, ekstendere, etādv, ekstender, ekstendere, istēdev, iftēder, əstendrā, ekstinde, jake:re, zeziv, jaðer, djafe:re, zezev, zezar, dger, jesi, sedere, ser, sedere, seκ, fedə, sedenta:re, sentar, senta:, sta:re, estar, stare, leva:re, lave, jebar, levare, levar, leva:, alia:re, ose, altsare, torna:re, tuκne, tornare, tu:rne, gyra:re, ziv, djarare, vev, virare, torkw:re, torðer, tōrtjere, turser, tōartje, kadere, kaer, kadere, tjade, tōbe, tume, tene:re, tener, tenere, teκ, ter, tsine, segurar, eksprimere, epvēdv, ekspremir, spremer, ifprōmev, ifprōmer, əspremā, esprimi, skreme, serrere, serar, seka, serare, seve, θerar, serrare, seve, appektora:re, apretar, stringere, etvēdv, estrejir, strindžere, stringe, strindže, frika:re, fveje, fregar, fregar, frea, freka, frikta:re, fvōte, frettare, lawa:re, lave, lavare, tergere, terđere, ekstergere, estarsir, fterdže, eksu:ka:re, esqije, enxugar, affugare, suwe, limpida:re, tira:re, tiv, tirare, tire, puse, trahere, trarre, traze, trezer, tradže, impingere, impindžere, impindže, jakta:re, zote, etjar, djetare, dgete, lankea:re, lāse, lantfare, e:runka:re, arrontfare, liga:re, lie, legar, legare, lea:, lega, apta:re, ko:nsuere, koser, kufire, kuzer, qase, komputa:re, kōte, kontare, e:numera:re, enumeve, enumerar, enumerare, enumera, di:kere, deθir, dire, dizer, zife, ekspōnere, sporre, spune, kanta:re, fāte, kantare, tfaite, lu:dere, joka:re, zve, džokare, djuwe, flu:ktua:re, flyktje, fluttuare, fluita:re, fluitare, fluere, flye, fluire, ko:la:re, kule, kolare, kole, ekskurrere, eskurir, skorrere, ifkohev, ifkurer, skurđe, kurrere, korer, korrere, kohev, kuver, kurđe, gela:re, zale, elar, dgelare, dale, glakia:re, glase, gjattfare, inglakia:re, ingetsa, bryle, brutfare, bv:le, krema:re, kvame, kemar, kremare, kejmare, kejmave, flamma:re, flābe, flamear, fjammare, arde:re, arder, ardere, avdev, vder, arde, flagra:re, flagve, flagrate, inkendere, əsādv, enθender, intfendjare, isendjar, ənsendrā, intfindže, ustula:re, ustolare, alter, grandem, grande, grande, majjo:rem, mare, le, epe, espeso, spesso, espesu, ifpesu, grabe, greve, grew, grew, lerdo, pesađo, pesante, pezadu, pezant, pekejo, pekenu, pikenu, brewis, brebe, breve, brew, bev, etvwa, estrejfo, stretto, menudo, delyađo, delikato, dewgadu, subtillem, sottile, subsire, seko, sekko, seku, sek, dekstrum, djestro, destrā, deretfo, drept, vermikulul, bermexo, vermiλλo, vevmeλu, rubeus, rubeo, ruđe, wiridem, veκ, berde, verde, verdi, verde, galben, amarellus, krokeus, krotfeio, due, tres, tre, tref, kw:inkw, tfinjkw, ekkumhi:k, kwem, kjen, tfin, ke, tfe, kome, tjemu:t, nek, ne, et, e</p>

Appendix 3 - Segments used in the word list

1	g	ego:, goel, gøj, fegato, figedu, agwē, lago, lagu, ka:li:ginem, negurā, gelu:, fwego, fogu, lāg, lenggwa, lingwa, ligwē, musəga, musəgar, su:gere, sugaḡ, sugar, kogno:skere, ko:gita:re, nəga, anegar, annegare, segaḡ, pungere, jugula:re, zygyale, nabegar, navigare, nəbəga, naviga, segurar, siguraḡ, fregar, frəga, iḡfrigia:re, ekstergere, enxugar, affugare, ēfugar, əfuga, liga:re, legar, legare, zogagḡ, zuga, flugtwar, gela:re, glakia:re, glase, gjattḡfare, gləsa, inglakia:re, flagra:re, flagḡe, flagrar, flagrare, flagrar, awgū, aḡgū, əlgu, gḡā, grande, grande, grēḡḡi, grēḡi, longus, lungo, lōgu, largo, laḡgu, largu, gḡa, graso, grasso, graḡu, gras, gras, gordo, gḡo, grosu, grəs, grawis, grēḡef, grabe, grēve, gravi, gravi, grew, angustus, angosto, angusto, dewgadū, galbinus, galben
2	o:	ego:, no:s, no:i, no:, wo:s, vo:i, vo:, homo:, spo:s, o:b, flo:rem, fjo:re, flo:r, o:wum, o:rikla, so:lem, no:men, no:me, no:minem, kogno:skere, ko:gita:re, ko:nsuere, ekspo:nere, ko:la:re, to:tus, po:k, majjo:rem, duo:s, kʷando:, kʷo:modo, no:n
3	ʒ	ʒə, ʒə, pluʒə, kalizēḡ, kelizēḡ, ʒel, ʒel, ʒuḡ, zorn, ʒəna, ʒuḡne, māʒe, mēʒaḡ, mēʒar, məʒa, kuʒitaḡ, kuʒitar, pūʒiḡ, pūʒir, zygyale, naze, zeziḡ, ʒeʒeḡ, ʒeʒer, ʒawrə, ʒiḡe, ʒiraḡ, ʒira, əʒtriʒir, əʒtriʒir, əʒtəʒi, ʒəte, ʒejtar, ʒwe, ʒogagḡ, ʒuʒar, ʒuga, ʒuka, ʒəle, ʒilar, ʒəla, inḡfindʒe, laʒʒ, du:ʒe:, ʒuʒ, ʒon
4	ə	ʒə, dənə, dɔamna, əmə, əspəʒə, mərit, əspəs, mərə, parə, tatə, nəmaje, pasəre, pədukje, səpen, abrə, fulə, frunʒə, ɔqadə, plomə, pəpə, panə, pər, səvə, kəbəl, səvə, testə, tseastə, urələ, bokə, bukə, golə, gurə, alə, əspalələ, inimə, fedʒə, lunə, lunə, əstəl, ajɣwə, apə, pluʒə, tərə, tsarə, newlə, negurə, tənəbrəs, tʃeəʒə, sendrə, tʃenuʒə, muntapə, diə, limbə, bewrə, məʒa, musəga, musəgar, musəʒa, əskupi, səʒe, kunəʒə, pənsa, pəsa, temə, biwrə, nəga, məta, batrə, kəsa, səʒa, tələ, təja, fəndrə, pərti, səvə, səpəra, rawrə, rəza, rəska, kəba, nəda, nəbəga, ʒəmine, kəmina, vənə, bəni, əstendrə, ʒawrə, ʒəʒe, əsta, ləve, ləba, əlsa, tərsə, kawrə, kəḡə, tənə, tənə, iḡprəmeḡ, iḡprəmer, əspremə, sərar, səra, əʒtriʒir, əʒtriʒir, əʒtəpə, frəga, frəsa, əʒtəʒi, əʒuga, trəwrə, əmpəpə, ʒəte, lənsa, kənta, əskorə, korə, ʒəle, ʒəla, gləsa, krəma, ənsendrə, əlgu, altrə, amplə, əspes, pəʒd, pəʒat, pəti, pətit, əʒtət, mənə, mənut, mənunt, dəlikat, destrə, bərməl, dowə, kwatrə, əla
5	j	jo, kabejo, kwejo, estreja, jubja, jelo, jaḡer, jebar, amarijo, aja
6	o	jo, io, jo, nos, no, bos, vof, vos, vose, veste, mołłe, domina, doḡa, donə, hominem, ombre, omēḡ, om, homo:, wəmo, nijo, nino, sponsa, esposa, ispoza, iḡpozə, mołłe, mariḡo, marito, sponsus, esposo, spəzo, ispozu, iḡpozu, sokius, səʒo, sots, omaj, wazo, utḡfello, paxaro, passero, pjoxo, pidəkkjo, piołū, poł, pedoli, arborem, arbol, albero, əvori, arbore, palo, fruto, frutto, folia, oxa, fołe, frondea, frondza, flor, floḡ, webə, wəvo, ovu, ow, kola, koda, plomə, pelo, kabejo, kapello, oḡej, orexa, orekkja, orełe, orejłe, orele, okulus, oxo, əkkjo, ołū, voli, okł, naso, na:so, boka, bokka, boke, bokə, gola, golə, kolum, kwejo, kollo, dorsum, do, dəsso, dos, epol, seno, pəʒo, pətto, kor, kor, iḡaḡo, fegato, sol, sole, solikulus, soreli, o, pjoḡḡa, ploje, rio, lago, lago, nublo, nuvola, nor, ḡjelo, tʃelo, bjento, vento, jelo, ḡelo, umo, fumo, fokum, fwego, fwəko, fogu, foʒu, fok, montem, monte, monta:nea, montapə, montapə, noctem, noʒe, djurno, ḡorno, zorn, xornada, ḡornata, dzornade, apə, anno, nomi, nomi, nombre, komedere, komer, kome, morde:re, moḡdḡ, morḡer, moḡdḡ, morsikare, moskar, morsikare, konspuere, kogno:skere, konəḡer, konəʒere, kopeseḡ, koposi, kodʒitare, dormi:re, dormir, dormire, doḡmiḡ, dormi, moriḡ, morire, moḡeḡ, okki:dere, kortar, koḡtar, skortare, kosaḡ, fodere, nwotare, wola:re, vole, bolar, volare, voaḡ, zvolare, zvola:, ose, torna:re, tornar, tornare, toḡnaḡ, torna:, toḡkʷe:re, toḡer, appektora:re, fəote, frotar, arronḡare, koser, komputa:re, kontar, kontare, konta:, sporre, joka:re, ḡokare, zogagḡ, kolar, kolare, koaḡ, skorrere, iḡkoḡeḡ, əskorə, skori:, korer, korrere, koḡeḡ, korə, kori, ustolare, omne:s, oḡpi, todo, tutto, todu, toḡu, tot, muḡo, molto, mol, molc, tanto, okə, alguno, alkuno, poko, poko, powku, oḡ, otro, altro, owtru, maḡo, maḡo, longus, longo, lungo, loḡ, laryo, largo, lato, antʃo, ampjo, graso, grasso, espeso, spesso, gordo, grossus, gḡo, grəso, grosu, grosu, gros, lerdo, lordo, pesaḡo, pekeḡo, pitḡino, pikcolo, korto, korto, angosto, angusto, estreḡo, stretto, menudo, minuto, delyaḡo, delikato, sottile, seko, sekko, djestro, destro, dereḡo, roxo, rosso, roḡu, roḡu, ros, roḡu, bermexo, vermiłło, rubjo, robbjo, rubeo, ʒon, amarijo, krokeus, krotʃeo, albo, uno, dos, dowə, kʷattwor, kwatro, kwattro, ḡinko, kwando, kʷo:modo, komo, kome, komu, no, non

Appendix 3 - Segments used in the word list

7	i	io, no:i, vo:i, fe:mina, femmina, femine, mulierem, domina, hominem, infantem, infante, ifēfi, ni:jo, nino, ispoza, mulier, ma:i, mari:do, marito, maridu, marit, mērit, ispozu, sokius, mari, pari, animalia, alima:na, be:stia, bi:ffa, bi:fē, bis, piskem, pejfi, avi, awikellum, pidakkjo, pio:lu, pedoli, se:rpēfi, sarpint, ve:mi, a:vori, silwa, fūfi, folia, pilus, kapillus, fivja, kapitia, o:rikla, voli, nariθ, nari:fē, naris, nērif, ifpadwe, sinus, si, pi, pit, anima, anime, inimə, iya:do, figedu, fiyēdu, fija:t, fikat, solikulus, soreli, istrele, pluwia, plūi, flumi, rio, kiw, ki:u, riw, ri:pa:ria, kivjē, rivi:u, nu:bilus, ka:li:ginem, kalina, kalidzine, kalizēj, kēlizēj, tinjebłas, kajkia, 'vint, kinerem, θeniθa, finize, mōfi, nūi, nit, die:s, dia, di, diē, diā, zi, diurnum, diurna:ta, nomi, no:minem, ling ^w a, lingwa, limbə, bibere, bevi, mwardi, morsika:re, morsikare, kuspik, kuspik, eskupik, askupi, fti, kinch, ko:posi, ko:gita:re, kuide, kwidar, koditare, kuzitak, kuzitar, time:re, temi, trima:, dōmnik, dormir, dormire, dōmnik, durmir, durmi, dwa:mi, dormi, vivk, bibir, vivere, vivek, viver, biwrə, vivi, via, muvix, morir, morire, muri, mōri, muri, tu:ta:ri, oksik, utfidere, ukxi, ufide, batir, bati, kaptiare, ta:lia:re, di:widere, dibidir, dividere, dzividzix, dividiθ, dibidi, dividi, divide, skindere, findere, findere, partik, partir, partire, parfik, partir, parti, pō:rti, pūzik, pūzik, pūpi, fwik, ifkēvax, ifkēvar, naviga:re, navigare, naviga:, naviga, fəmine, kaminar, kamminare, kēminak, kēminar, kəmina, fimine, camina:, ambita:re, vənix, benir, venire, vik, vir, bəni, vini, vipi:, veni, istēder, iftēder, ekstinde, zezik, jesi, altia:re, zivē, xirar, dzirare, zirar, zira, dzira:, vize, birar, virare, virar, bira, kēir, tənix, tēni, tini, tinji, tsine, eksprimere, ekspremir, ifprəmek, ifprəmer, esprimi, stringere, estrepir, strindzere, əftrizir, əftrizir, stringe, frika:re, frika:re, frisar, estarsir, əstərzi, esqije, limpida:re, limpjar, tira:re, tize, tirar, tirare, fira, tira, tire, tira:, impingere, impindzere, impindze, xita, liga:re, lie, liya, kufire, kuzi, kuzi, diθ, deθir, dire, dizer, di, zi:fē, ludir, fluita:re, fluitare, fluir, fluire, flwik, flwir, flui, eskurir, ifkōvax, ifkurer, kuvix, kori, glakia:re, inglakia:re, inkendere, infēndzare, infēndze, opni, altri, alius, grēdzi, spissus, ifpesu, grawis, gūjef, gravi, grēvi, pittitus, pēti, pētit, piti, 'pittinus, pittino, putsin, pitulus, pikkolo, pitful, brewis, brevi, striktus, istrejt, minu:tus, minuto, miudu, miudu, minu, minu:t, delika:tus, delikato, dēlikat, sutil, sottile, sufwi, suptil, su:ti, subtsire, sikkus, direjte, direjte, vermikululus, vermi:ko, wiridem, galbinus, amarijo, kwatri, θinko, finjke, sinj, 'finj, finf, isi, aki, kwi, eki, illa:k, ibi:, vi, ai, ei, k ^w is, ki, kwi, fine, k ^w id, ni, i, fi
8	w	ew, jew, wo:s, wōmo, pwasō, awem, aw, awikellum, wazo, wermem, silwa, sewva, paw, fwee, o:wum, webo, wōvo, ow, ow, kawde, kōw, pwal, kwejo, kwel, ifpadwe, kwore, awmē, fwa, sōw, etwal, aywa, akkwa, agwe, ajywə, ew, pluwia, ri:wus, kiw, riw, riw, saw, nevwe, newlə, sew, wentum, fwego, fwōko, lengwa, lingwa, ligwe, bwax, bewrə, mwardi, savwax, kwidar, dwa:mi, wi:were, biwrə, nwaje, tuwe, di:widere, pwēdx, rawrə, fwik, kawa:re, ekskawa:re, nwotare, wola:re, vwar, wenire, zawrə, swax, fwax, kawrə, lawa:re, suwe, tēwrə, zwe, dzuwe, flugtwar, flwik, flwir, awgū, powku, owtru, aw, grwes, grawis, grew, grew, brewis, brew, etkwa, dewgadu, sufwi, dkwat, wiridem, awvu, dowə, tōwa, k ^w attwor, kwatro, kwattro, kwatru, kwatrə, kwat, kwatri, finjke, kwi, kwi, kwa, kwē, kwando, kwēdu, kwan, kwand, kwant
9	o	zo, nōjs, nōf, vōjs, vōse, dōnna, dōnə, dōne, om, omēj, omə, om, wōmo, spōza, əspōzə, spōzo, əspōs, sōfjo, pidakkjo, fōlla, fōj, flō, wōvo, ow, kōw, kōde, plōm, əraj, əkkjo, bōk, bōce, gōle, kōlu, kōl, dōsso, dō, kwore, kōk, kōr, sōw, sōl, sōl, sōl, sōl, njoly, fwōko, fōk, mōnt, mōntape, nōtte, nōt, zōnna, nōm, nōj, mōrdere, kōnetk, kinch, dōmnik, mōri, oksik, vōle, tōvdx, tōrfere, tōrsə, lōji:, kōle, tō, pōko, pōk, gōsso, grōs, rōs, rōbbjo, rōf, grōk, kōmā, kōm, kōmē
10	dz	dzi, fedzə, pjoddza, kalidzine, dzelo, dzer, dzu:, dzorno, dzu:, dzornata, mandzare, sudze, koditare, kudzeta, dzividzix, pundzere, pundze, nedzi, merdzere, merdze, dzafere, dzere, dzirare, dzira:, strindzere, strindze, terdzere, fterdze, tradze, impindzere, impindze, dzettare, dzete, dzokare, dzuwe, dzuja:, skurdze, kurdze, dzelare, dzale, isendzjar, grēdzi, rudze, dzēn
11	r	dzi, naris, isendzjar
12	j	jo, jew, nōjs, vōjs, femjə, femeje, mujere, mujere, omaj, nāmaje, ufjel, pjoxo, pidakkjo, pju, pədukje, serpjente, sjēpē, sjerpe, vjer, vjer, vjerme, frujt, fōj, fōj, fōaje, fjo:re, pjuma, fivja, orekkja, əj, əkkjo, u:j, gōj, pjēpt, fija:t, jubja, pjoddza, ploje, plōaje, fjume, kivjē, tjera, tjere, njoly, njebła, nebbja, tinjebłas, sjel, θjelo, bjento, djurno, skujpa, kujda, sje, taje, teji:, taja:, taja, jugula:re, jugula:re, jake:re, jesi, fjade, tinji, esqije, suja:, limpjar, jaktare, lōji:, jōka:re, dzuja:, gjatfjare, fjammar, ēsādze, infēndzare, isēdjar, majjo:rem, ampjo, gūjef, djestro, rubjo, rōbbjo, kjen

Appendix 3 - Segments used in the word list

13	n	no:s, nu, nos, no:i, nojs, nɔf, no, no:, noj, fe:mina, femmina, femine, domina, dɔnna, done, dɔnə, done, dɔamnə, hominem, infantem, infante, fante, nijo, nino, nenēj, nen, sponsa, sponsus, animalia, nema:l, nəmaje, serpentem, serpente, serpente, sərpen, sarpint, serpens, frondea, frondza, fronzə, penna, pen, penē, pen, pene, panə, na:sus, ne, naso, na:so, nas, na:s, nariθ, nariʃe, naris, nərif, na:ris, sinus, seno, sen, san, anima, anime, inimə, lu:na, lyn, luna, ʎunə, lɔn, lune, lunə, flu:men, nu:be:s, ny, nube, nuvēj, nuvēj, nu:bilus, nublo, nuvola, nubladu, nuʃuʃ, nu:l, nor, ka:li:ginem, kalina, kalidʒine, nebula, njɔly, njebla, nebbja, nevwə, newlə, negurə, tene:braj, tene:bre, tene:bra:s, tenebɔ, tinjeblas, tene:bre, tenebrəs, wentum, bjento, vento, ben, 'vint, vint, kinerem, ʃenere, sɛndrə, θeniθa, ʃinize, ʃenuʃə, montem, monte, mun, mɔnt, munte, monta:nea, montajə, montajna, muntajə, mɔntajə, noctem, nqi, noʃe, nɔtte, nojti, nit, nyt, nɔapte, diurnum, djurno, ɟorno, zorn, zɔɔna, diurna:ta, zɔɔne, xornada, ɟornata, ɟornade, annum, anno, enu, an, no:men, nɔ, no:me, nomi, nom, nɔm, nɔ, nɔj, nume, no:minem, nombre, lingwa, 'lenge, mandukare, mandukar, mandʒare, minka, konspuere, kogno:skere, kɔnetɔ, konɔθer, konoffere, kunɛʃə, kinɔh, kunɔafte, pe:nsa:re, pensar, pensare, pənsa, neka:re, nwaje, nəga, neka, anegar, annegare, pugna:re, skindere, findere, findere, ender, fəndere, fəndrə, pungere, pundʒere, pundʒe, nata:re, nadar, nwotare, nadaɔ, nɛðar, nəda, nada:, naviga:re, naʒe, nabegar, navigare, naviyax, nɛviyax, nəbɔga, nɛdʒi:, naviga:, naviga, ʃəmine, kaminar, kamminare, kəmina, ʃimine, camina:, andar, andare, wenire, vənix, benir, venire, bəni, vini, veni, ekstendere, ekstender, estendere, əstendrə, ekstinde, sedenta:re, sentar, senta:, torna:re, tuɔne, tornar, tornare, toɔnaɔ, turnar, turna, tu:rne, torna:, turna, tene:re, tənix, tener, tenere, təni, tini, tini, tsine, stringere, strindʒere, stringe, strəngi:, strindʒe, enxugar, impingere, impindʒere, impindʒe, lankeare, lanθar, lanʃare, ʎənsa, lanci:, lanʃa:, ɛ:runka:re, arankar, arronʃare, ko:nsuere, kontar, kontare, konta:, ɛ:numera:re, enumeɔe, enumerar, enumerare, enumera, numara, ekspo:nere, spune, kanta:re, kantar, kantare, kənta, cantar, kinta, inglakia:re, ingetsa, inkendere, enθender, inʃendjare, isendʒiar, ənsendrə, inʃindʒe, omne:s, tantus, tanto, tant, tanc, alguno, alkuno, magnus, grandem, grande, grande, gran, grant, longus, longo, lungo, lunk, lung, anʃo, pe:sant, pesante, pezant, 'pittinus, pittino, pekenu, pikenu, putsin, angustus, angosto, angusto, minu:tus, mənɔ, menudo, minuto, mənut, minu, minu:t, mərunt, galbinus, zon, ɟɛn, galben, u:num, uno, un, unu, kʷi:nkʷe, θinko, ʃinʃ, kjen, ʃine, kʷando:, kwando, kwan, kwand, kwant, kind, no:n, nɔ, no, non, nɛw, nu, nek, ni, ne, nɛj, nɛj, nɛ
14	s	no:s, nos, nojs, wo:s, bos, vɔjs, bus, vos, usted, vose, vɔse, voste, sponsa, esposa, spɔza, ispoza, əspɔzə, marit:us, sponsus, esposo, spɔzo, ispozu, əspɔs, spo:s, sokius, sɔʃo, sots, be:stia, bis, piskem, pes, pwasɔ, useʎ, passerem, passero, paseru, pasəre, peduklus, serpentem, sɛrpɔ, serpjente, serpente, sɛrpɛʃi, sirpɛti, sərpen, sʒɛrpɛ, sarpint, serpens, sjerpe, sɛrpe, serp, silwa, selba, selva, sɛwva, sɛʎvə, sɛʎve, pa:lus, fruk:tus, frɔsɛ, pilus, kapillus, kavettsa, kabesɔ, kɛʃesɔ, testa, tɛsta, tɛstɔ, tɛstə, ʃɛs, tɛste, tɛstə, okulus, na:sus, naso, na:so, nas, na:s, naris, na:ris, dorsum, dɔsso, dos, spatula, espalda, spalla, əspaʎʎə, spal, spale, spate, sinus, sɛ, seno, seju, seju, si, sen, san, pektus, so:lem, sol, sole, sɔw, sɔʃ, sɔl, sɔɔ, sɔare, solikulus, sɔʎej, soreli, stella, estreja, stella, istrele, əstel, stɔl, stele, stɛa, ri:wus, sa:lem, sel, sal, sale, saw, se, sal, sare, nu:be:s, nu:bilus, tene:bras, tinjeblas, tenebrəs, fumasɔ, sjel, sɛw, sel, si:ɔ, fu:mus, sɔdɔ, sɛndrə, sɛ:d, sɛzɛʃ, die:s, morsika:re, moskar, morsikare, musəga, musəgar, musəya, murseka, su:gere, syse, sugax, sugar, sysi:, suɟe, konspuere, kɔspyɛ, kuspiɔ, eskupir, əskupi, skujpa, sputere, eputar, sputare, spuda:, ski:re, sapere, savwax, saber, sabɔ, seber, sɔʃɛ, savɔɔ, save:, kogno:skere, kɔnesɔ, kɔniser, kɔnosi, pe:nsa:re, pɔse, pensar, pensare, pɛsax, pɛsar, pənsa, pɛse, peɔsa:, pəsa, əksix, uksi, fase, kasax, kɛsar, kəsa, ʃɛsi:, pulsa:re, puse, pulsare, pulsa:, pulsa, seka:re, sje, segar, segare, segax, siyax, səya, sea:, ekskurta:re, skortare, skurta:, skurta, skindere, sɛde, se:para:re, sɔvɔe, separar, separare, separax, sipɛrar, sɛpəra, separa:, separa, rasar, rasare, rasa:, raskar, raska, kosaʎ, kusar, ekskaware, eskabar, skavare, ekstendere, ekstender, estendere, istɛdɛr, əstendrə, ekstinde, jesi, sedere, swax, ser, sedere, sɛr, sedenta:re, sentar, sɛtar, senta:, sta:re, estar, stare, əsta, ɛs, sta:, sta, ose, əlsa, əlsar, əlsa, hɔ:si:, turser, tɔrsə, segurar, sigurar, siyurar, esprimere, ekspremir, spremere, əspremə, esprimi, skreme, serrere, serar, sɛɔa, sɛrar, sɛra, serare, sɛɔe, serrare, siɔar, sɛre, stringere, estrepir, strindʒere, əstrejə, stringe, strəngi:, strindʒe, frisar, frasa, ekstergere, estarsir, əstərʒi, eksu:ka:re, esɟije, suwe, suja:, uska, puse, pu:si:, pulsa:, lase, lɛsa, lɛsar, ʎənsa, ko:nsuere, koser, ɔqase, ekspo:nere, sporre, spune, ekskurrere, eskurir, skorrere, əskorə, skori:, skurɟe, glase, gləsa, ɛsɔdʒe, isendʒiar, isɛdjar, ənsendrə, ustula:re, ustolare, ustura, omne:s, to:tus, multus, tantus, paɔkus, alius, magnus, longus, largus, la:tus, amplus, krassus, graso, grasso, gras, gras, spissus, espeso, spesso, espesu, iʃpesu, əspɛs, spɛ, gurdus, grossus, grɔsso, grosu, grosu, grɔs, grwɛs, gros, grawis, lurdus, pe:sant, pesaðo, pesante, pittitus, 'pittinus, pitulus, kurtus, brewis, angustus, angosto, angusto, ingust, striktus, estrefo, stretto, istrejtə, əstret, stɔɔ:, stret, strimt, minu:tus, de:lika:tus, subtilem, sutil, sottile, suʃiw, suptil, su:ti, sutil, subtsire, sikkus, sek, seko, sekko, seku, sek, sɛʃ, sek, dekstrum, djestro, de:stro, destrə, di:re:ktus, destra, russus, rosso, ros, rɔs, vermikulus, rubeus, galbinus, amarellus, krokeus, albus, duo:s, dos, dojs, duas, duɔs, tre:s, tres, sɛk, siku, siɔk, isi, kʷis, si:k

Appendix 3 - Segments used in the word list

[illegible]

Appendix 3 - Segments used in the word list

20	t	tu:, ty, tu, uested, veste, infantem, infante, fante, ifēti, mari:tus, marito, marit, mari:t, mōrit, matrem: patre, tata, tatā, bestia, pejte, utfello, serpentem, serpente, serpente, sirpēti, sarpint, fruktus, fruto, frutto, frutē, frujt, frut, frukt, kapitia, kavettsa, testa, tet, tēsta, testē, tēfje, testō, teste, tšastō, spatula, spate, pektus, petto, pejtu, pejtu, pit, pet, pjept, fi:ka:tum, fegato, fō:t, fija:t, fikat, ste:lla, etwal, estreja, stella, istrele, iftrele, æstel, stō:l, stele, stēa, la:t, terra, tēx, tjera, terra, tēxē, tēxē, tērō, tē:x, tjere, tene:braj, tē:nebre, tene:bra:s, tenebē, tinjebłas, tē:nebre, trēvēf, tōnebrās, fu:ma:ta, fumata, fuma:ta, fumate, wentum, bjento, vento, vētu, 'vint, vint, montem, monte, mōti, mōnt, munte, monta:nea, mōtaj, montajna, montajna, mōtējē, mōtējē, muntajā, mōntajē, noctem, nōtte, nojti, nit, nyt, nōt, nōapte, diurna:ta, dōrnata, sputere, esputar, sputare, fti, kōnetē, kunōafte, ko:gita:re, kōdžitare, kuzitaē, kuzitar, kuđžte, time:re, temer, temere, temēx, timer, temō, temi, teme, tremere, tremēr, tremare, tremēx, trimer, trima: tu:tari, tqē, tuwe, maktare, mate, matar, mataē, metar, mōta, uttfidere, battuere, batē, batir, battere, bateē, bēter, batrō, bate, bati, kaptia:re, katfjare, kurta:re, kortar, kōstāē, kurtar, ekskurta:re, ekurte, skortare, skurta: skurta, talia:re, tqje, taxar, tał:la:re, tałāē, tēlar, tēla, teji:, tajar, tōja, fēt, parti:re, paktiē, partir, partire, pērtir, pērti, pō:rti, parti:, nata:re, nwtare, ambita:re, ekstendere, etōdē, ekstender, estendere, istēdēx, iftēder, æstendrō, ekstinde, sedenta:re, sentar, sētar, senta:, sta:re, etē, estar, stare, iftar, ēsta, star, sta, altia:re, altfā:, torna:re, tuēne, tornar, tornare, toēnāē, turnar, turna, tu:rne, torna: turna, torkwē:re, tōdēx, torθer, tōtfjere, turser, tōrsā, tōarfē, tōbe, tumber, tōbāē, tōbar, tumba, tume, tene:re, tōniē, tener, tenere, tēx, ter, tēni, tini, tinji, appektora:re, apretar, ēpirtar, stringere, etvēdēx, estrejir, strindžere, ēftrijir, ēftrijir, ēsterejā, stringe, strengi:, strindžē, frikta:re, fōte, frotar, frettare, tergere, terđžere, ekstergere, estarsir, ēstērji, fterđže, tira:re, tiē, tirar, tirare, tira, tire, tira:, trahere, tēxē, trarre, traze, trēzer, trēwrō, traj, trađže, jakta:re, zōte, džettare, zējar, xita, džete, apta:re, atar, etar, komputa:re, kōte, kontar, kontare, kōtar, kumta, konta:, kanta:re, jāte, kantar, kantare, kētar, kōnta, fōte, cantar, kinta, flu:kta:re, flyktqē, flugtwar, fluttuare, flutuāē, flutuar, fluktua, fluctua, fluita:re, fluitare, gжатfjare, ustula:re, ustolare, ustura, to:tus, tu, todo, tutto, todū, tođ, tot, tō, dut, multus, molto, mūjtu, mult, tantus, tanto, tētu, tētu, tant, tanc, alter, otē, otro, altro, owtru, altrō, ot, altri, alt, grant, la:tus, lato, latu, lat, pes:sant, pesante, pōzat, pezant, pittitus, pōti, pōtit, piti, 'pittinus, pittfjino, pitulus, kurtus, korto, korto, kurtu, kurtu, kurt, kurt, angustus, angosto, angusto, ingust, striktus, etkwa, estrefo, stretto, istrejtū, iftrejtū, æstret, stōē, stret, strimt, minu:tus, minuto, mōnut, minu:t, mōrunt, de:lika:tus, delikato, dōlikat, subti:lem, sutil, sottile, suptil, su:ti, suti:l, dekstrum, djestro, destro, destrū, dēftru, destrō, di:re:ktus, dōwat, destra, direjte, direjte, dret, drōt, 'dret, drept, vērt, vērt, tre:s, tēwa, tres, tre, tref, trēs, trō:, 'tre:, trej, kwattwor, katē, kwatro, kwattro, kwatru, kwatrō, kwat, kwatri, patru, kwant, fjemut:, et
21	u:	tu:, u:hē, fruktus, u:, u:f, plu:ma, u:j, ku:x, kur, lu:na, plu:x, flu:men, nu:be:s, nu:bilus, nu:l, fu:ma:ta, gelu:, fumus, fu:k, đur, đur, su:gere, tu:tari, tu:rne, eksu:kare, pu:si:, lu:dere, flu:kta:re, bōu:le, ku:x, minu:tus, minu:t, du:ge:, suti, unum, fjemut:
22	y	ty, fry, plym, lyn, ry, ny, njoly, fyne, nyt, syse, sysi:, kōspyē, zygyly, gyra:re, flyktqē, flye, bōyle, mōny
23	d	usted, domina, dam, dōpa, dōnna, dōnē, dōnō, dōem, dōne, dōammō, maridu, ma:dre, pa:dre, peduklus, pidōkko, pedoli, pōdukje, frondea, kaūda, kōda, kawdē, kōdē, qōadō, dorsum, do, dōsso, dos, dō, espalda, ifpadwē, figēdu, pjōdđja, nubladu, sādē, sendrō, sē:d, die:s, dia, di, diē, diā, diurnum, djurno, diurna:ta, xōrnada, dōrnade, komedere, manduka:re, mandukar, mōdere, mōdēx, mōdere, mōdēx, mwardi, spuda:, kūide, kwidar, kujda, kēdēx, dormi:re, dōxmīx, dormir, dormire, dōxmīx, durmir, durmi, dwāxmī, durmi:, dormi, okki:dere, uttfidere, ufide, di:widere, dibidir, dividere, diviđir, dibidi, dividi, divide, skindere, sēde, findere, findere, fādē, ender, fendere, fēdēx, fēder, fēdrō, pwēdē, radere, radere, rada:, rade, fodere, nadar, nadar, nōda, nadar, andar, andare, ēdāē, ēdar, ekstendere, etōdē, ekstender, estendere, istēdēx, iftēder, æstendrō, ekstinde, sede:re, sedere, sedēa, sedenta:re, tōdēx, kadere, kadere, fjadē, kōdēa, epwēdē, etvēdēx, limpida:re, kudē, di:kere, diē, dēθir, dire, dizer, di, di:x, di:, lu:dere, ludir, arde:re, aēdē, arder, ardere, aēdē, vder, arde, inkendere, ēsādje, enθender, infēndjare, isēđjar, æsēndrō, infindže, todo, todū, dut, grandem, grande, grande, grēdi, gurdus, gordo, lurdus, lerdo, lordo, pezadu, menudo, miudu, de:lika:tus, du:ge:, delyađō, delikato, dewgadu, dēlyāđu, dōlikat, dekstrum, djestro, destro, destrū, dēftru, destrō, di:re:ktus, dōwat, derefjo, destra, direjte, direjte, dret, drōt, 'dret, drept, wiridem, berde, verde, verdi, verde, duo:s, dō, dos, dojs, dojf, dō:, doj, duaj, due, dōwa, duas, duēs, duēf, kwid, kwandō, kwardo, kwēdu, kwand, kind, kwo:modo fe:mina, fam, femmina, femeē, femje, fembra, foem, femine, femeje, infantem, āfō, infante, fante, ifēfji, ifēti, ēfō, fruktus, fōpi, fruto, frutto, frute, frujt, fry, frut, frukt, folia, fōej, fōłā, fōlē, fułā, fōj, fwee, fōaje, frondea, frōdza, frōsē, frunzō, flo:rem, floē, flor, fjo:re, floē, flō, flōē, flo:r, flōare, œf, u:f, ca:f, fi:ka:tum, fwa, fegato, figēdu, fiyēđu, fedžō, fō:t, fija:t, fikat, flu:men, fjume, flumi, flumi, flum, fu:ma:ta, fyne, fumata, fuma:ta, fumase, fumate, fu:mus, fumo, fumu, fum, fokum, fō, fwego, fwōko, fogu, fōyū, fōk, fō:, fu:k, fok, findere, fādē, fendere, fēdēx, fēder, fēdrō, fēt, fodere, fwīx, frika:re, fōje, fregar, fregare, frēga, froj, frea, freka, iffrijar, iffrijar, frikta:re, fōte, frotar, frettare, frisar, frōsa, flu:kta:re, flyktqē, flugtwar, fluttuare, flutuāē, flutuar, fluktua, fluctua, fluitare, fluitare, fluere, flye, flui, fluire, flwīx, flwīr, flui, flamma:re, flābe, flamear, fjammare, flama, flagra:re, flaqē, flaqar, flaqare, flagxāē, flaqar, qōijef, bōēf, bōēf
24	f	

Appendix 3 - Segments used in the word list

25	e:	fe:mina, be:stia, pe:l, ste:lla, nu:be:s, tene:braj, tene:bra:s, die:s, morde:re, save:, pe:n:sa:re, time:re, se:para:re, jake:re, dʒaʃe:re, sede:re, tork ^w e:re, tene:re, e:runka:re, e:numera:re, arde:re, omne:s, pe:sant, de:lika:tus, du:ze:, di:re:ktus, tre:s, 'tre:
26	m	fe:mina, fam, embra, femmina, femev, femjv, fembra, fœm, fəmine, femeje, mulierem, muxer, μολλε, μυλεκ, μυλερ, μυλε, mui:r, mujere, domina, dam, dœm, dɔamnə, hominem, ɔm, ombre, oměj, ɔměj, ɔmə, ɔm, om, homo:, wɔmo, infantem, mulier, muxer, μολλε, μυλεκ, μυλερ, μυλε, mui:r, mujere, mari:tus, μακι, μαριδο, marito, maridu, məriðu, marit, mari:t, mərit, ma:trem, meκ, maðre, ma:dre, mēj, marə, meκ, mari, animalia, omaj, alimapa, nema:l, nəmaje, piskem, awem, awikellum, passerem, serpentem, wermem, berme, verme, vevmi, vermi, verm, vjerme, arborem, flo:rem, o:wum, plu:ma, plym, pluma, pjuma, plomə, plɔm, plume, kolum, dorsum, anima, ɔm, alma, awmɔ, almɔ, ɔ:m, anime, inimə, fi:ka:tum, so:lem, flu:men, fjume, flumi, flumi, flum, lakum, mare, meκ, mar, maκ, mar, meκ, ma:r, sa:lem, ka:li:ginem, fu:ma:ta, fyne, fumata, fuma:ta, fumase, fumate, kajlum, wentum, fu:mus, umo, fumo, fumu, fum, fokum, kinerem, montem, mɔ, monte, mɔʃi, mɔti, mun, mɔnt, munte, monta:nea, mɔtaɲ, montapa, montapɲa, mɔtɔɲv, mɔtɔɲv, muntapɲ, mɔntape, noctem, diurnum, annum, no:men, no:me, nomi, nomi, nɔm, nume, no:minem, nombre, limbə, komedere, komer, kome, kumer, manduka:re, mɔʒe, mandukar, mandʒare, mɔʒaκ, mɔʒar, mɔɲʒa, mapi:, mapɲa:, minka, morde:re, moɔdɔ, moɔðer, mɔrdere, moɔdeκ, murðer, mwardi, morsika:re, moskar, morsikare, musəga, musəgar, musəya, murseka, time:re, temer, temere, temek, timer, temə, temi, teme, tremere, tremek, tremare, tremek, trimer, trima:, dormi:re, dɔvmiκ, dormir, dormire, dɔvmiκ, durmir, durmi, dwaɔmi, durmi:, dormi, muviκ, morir, morire, moɔek, muɔer, muri, mɔri, muri:, muri, makta:re, mate, matar, mataκ, mɔtar, mɔta, maʃa:, fəmine, kaminar, kamminare, kəmiɲaκ, kəmiɲar, kəmina, ʃimine, camina:, maʃe, ma:ɲʃi:, mergere, mɔɔʒere, mɔɔʒe, ambita:re, tumbat, tumba, tume, eksprimere, ekspremir, sprɔmere, iʃprɔmek, iʃprɔmer, əsprɔmə, esprimi, skreme, limpida:re, limpjar, impingere, impindʒere, əmpɔɲə, impindʒe, komputa:re, kumta, e:numera:re, enumeɔe, enumerar, enumerare, enumera, numara, krema:re, kɔame, kemar, kremare, kəjmare, kejməɔe, krəma, flamma:re, flamear, fjammare, flama, omne:s, multus, mu, mutʃo, molto, mɔʃtu, mol, molc, mult, magnus, mapo, mapɲo, grandem, majjo:rem, mare, amplus, ampjo, amplə, strimt, minu:tus, mɔny, menudo, minuto, miudu, miuðu, mənut, minu, minu:t, mɔrunt, subti:lem, dekstrum, vermikululus, vevmɔj, bermexo, vermiλλo, vevmeλu, virmɔjλu, bərmɛλ, wiridem, amarellus, amarijo, vɔarelu, vɔarelu, u:num, ekkumhi:k, k ^w em, k ^w o:modo, kɔmɔ, komo, kome, komu, kɔm, kɔmɛ, ʃfemu:t, kum

Appendix 3 - Segments used in the word list

27	a	<p>fe:mina, fam, embra, femmina, fembra, domina, dam, doŋa, dōnna, infantem, infante, fante, sponsa, esposa, spoza, ispoza, mari:tus, maŋi, mariđo, marito, maridu, marit, mari:t, mađre, mari, patre, pađre, parə, pari, tata, tata, animalia, omaj, alimaŋa, nəmaje, be:stia, biŋŋa, pwasō, awem, abe, avi, awi, aw, awikellum, wazo, passerem, paxaro, passero, paseru, pasere, sarpint, farpe, farpe, arborem, aŋbɐ, aŋbɔl, albero, aŋvori, arvuri, abrə, arbul, arbore, silwa, selba, selva, sewwa, pal, palo, paw, par, folia, oxa, fɔlɔa, frondea, frondza, kaɯda, kola, koda, kawde, kua, plu:ma, pluma, pjuma, penna, peŋa, panə, pwal, kapillus, kabejo, kapello, kabelu, ʃivja, cavej, kapitia, kaŋeθa, kavettsa, kabese, kap, testa, tēsta, o:rikla, orexa, orekkja, naso, nas, nariθ, nariŋe, naris, bukka, boka, bokka, gula, gola, a:la, ala, a, alə, ale, spatula, espalda, spalla, iŋpadwe, əspaɫɔa, spal, spale, spate, san, anima, alma, awmɐ, almɐ, anime, iyađo, fegato, fikat, lu:na, luna, ste:lla, etwal, estreja, stella, akʷa, aywa, akkwa, agwɐ, age, apə, pluwia, jubja, pjodɕa, ri:pa:ria, lakum, lak, lago, lago, lagu, layu, ɫak, mare, mar, maŋ, mar, sal, sale, saw, sare, terra, tjera, tsarə, nuvola, nubladu, kalina, kalidŋine, kaližēj, nebula, njebla, nebbja, tinjeblas, fu:ma:ta, fumata, fuma:ta, fumase, fumate, kajkia, θeniθa, monta:nea, mōtaŋ, montaŋa, montaŋŋa, muntaŋə, mōntaŋe, dia, zɔŋna, diurna:ta, xornada, ɖornata, dzornade, annum, aŋo, anno, aŋ, aŋ, an, lingʷa, lengwa, lingwa, manduka:re, mandukar, mandzare, mɛzɔk, mɛzar, mənza, maŋi:, maŋja:, minka, mwardi, moskar, morsikare, musəga, musəgar, musəya, murseka, sugaŋ, , sugar, skujpa, esputar, sputare, sapere, savwaŋ, saber, sabɐŋ, savɔ:ŋ, save:, kwidar, koɖɖitare, kuzitaŋ, kuzitar, kujda, kuɖɖeta, pensar, pensare, pɛsaŋ, pɛsar, pənsa, pəsa, tremare, dwaŋmi, via, nəga, neka, anegar, annegare, makta:re, mate, matar, mataŋ, mɛtar, mōta, maŋja:, puŋar, puŋŋare, puŋa, battuere, batɐ, batir, battere, bateŋ, batrə, bate, bati, kaptia:re, fase, kaθar, kattfare, kasəŋ, kəsar, kəsa, caŋa:, puxar, pulsare, puŋaŋ, puŋar, pulsa, segar, segare, segaŋ, siyar, səya, kortar, koŋtaŋ, kurtar, skortare, skurta, taxar, taɫɫa:re, taɫaŋ, tɛlar, tɔla, taja:, tɔja, parti:re, paŋtiŋ, partir, partire, paŋtʃiŋ, parti:, se:para:re, separar, separare, separaŋ, sipɛrar, səpəra, separa:, separa, raer, radere, ɤaŋ, rawrə, rada:, rade, rasar, rasare, ɤazaŋ, ɤezar, rəza, rasa:, raskar, ɤaŋkaŋ, ɤɛŋkar, rəska, kosaɫ, kusar, kawa:re, kabar, kavare, kəvaŋ, kəvar, kəba, ɤava:, ekskaware, eskabar, skavare, iŋkəvaŋ, iŋkəvar, zjava:, nata:re, nadar, nwotare, nadaŋ, nəðar, nəda, nada:, naviga:re, naže, nabegar, navigare, naviyaŋ, nəviyaŋ, nəbəga, naviga:, naviga, bolar, volare, voaŋ, vwar, bula, zvolare, zbura, kaminar, kamminare, kəmiŋaŋ, kəmiŋar, kəmina, camina:, maŋse, ambita:re, andar, andare, ɛdaŋ, ɛdar, jake:re, jaθer, ɖaŋfe:re, zawrə, swaŋ, sentar, sɛtar, estar, stare, iŋtar, əsta, sta, jɛbar, levare, levaŋ, livar, ɫəba, lua, altia:re, alθar, altsare, aɫsa, aɫsar, əlsa, altfa:, tornar, tornare, toŋnaŋ, turnar, turna, turna, xirar, ɖirare, zirar, zira, birar, virare, virar, bira, kadere, fwaŋ, kaer, kadere, kawrə, ʃjade, tumbar, tōbaŋ, tōbar, tumba, segurar, siguraŋ, siyurar, serar, səwa, sərar, səra, serare, θerar, serrare, siɤar, appekto:re, apretar, ɛpirtar, fregar, fregare, frəga, frea, freka, iŋfrigar, iŋfriyaŋ, frotar, frettare, frisar, frəsa, lawa:re, lave, laɤar, lavare, levar, lava:, la, estarsir, enxugar, affugare, ɛfugar, ɛfuyaŋ, əfuga, uska, limpjar, lipar, tirar, tirare, ʃira, tira, trahere, trarre, traze, tradɕe, jakta:re, eŋfar, ɖettare, zɛtar, xita, lankea:re, lanθar, lanŋfare, lɛsa, lɛsar, ɫənsa, lanci:, lanŋfa:, arankar, arrontfare, aruŋka, legar, legare, ɫiya, lega, apta:re, atar, ɛtar, kontar, kontare, kōtar, kumta, enumerar, enumerare, enumera, numara, kanta:re, kantar, kantare, kɛtar, kənta, canta:, kinta, xugar, ɖokare, zogaŋ, zuyaŋ, zuga, zuka, flugtwar, fluttuare, flutuəŋ, flutuuar, fluktua, fluctua, fluitare, kolar, kolare, koaŋ, kuar, kuɫa, elar, ɖɛlare, zilar, zəla, ɖale, glakia:re, glase, gjat ʃfare, gləsa, glaŋfa:, inglakia:re, ingetsa, bruŋfare, kɤame, kemar, kremare, kɛjmare, kejməŋe, krəma, flamma:re, , flamear, fjammare, flama, arde:re, aɫdɐ, arder, ardere, aɫdɐŋ, arde, flagra:re, flagɤe, flagrar, flagrare, flagɤaŋ, flagrar, iŋfɛndjare, iŋɛndɖiar, iŋɛɖjar, ustolare, ustura, tantus, tanto, tant, tanc, alguno, alkuno, awgū, aɫgū, alter, altro, altrə, altri, alt, alius, aw, aɫ, magnus, maŋo, maŋŋo, grandem, grande, grande, gran, grant, mare, largus, laɤz, larɤo, largo, laɤgu, largu, ɫark, lark, larg, lato, latu, lat, amplus, anŋfo, ampjo, amplə, krassus, graso, grasso, grafu, gras, gras, grawis, grabe, gravi, gravi, grav, pe:sant, pesađo, pesante, pezadu, pizađu, pəzat, pezant, angustus, angosto, angusto, etɤwa, dɛɤađo, delikato, dewgadu, dɛɤađu, dɛlikat, dɤwat, destra, galbinus, galben, amarellus, amarijo, ɛmarelu, albus, albo, awvu, alvu, alb, duas, kʷattwor, katɐ, kwatro, kwattro, kwatru, kwatrə, kwat, kwatri, patru, aki, la, aja, əɫa, ai, kwa, kʷando:, kwando, kwan, , kwand, kwant</p>
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Appendix 3 - Segments used in the word list

28	r	embra, fembra, muxer, muŕer, ombre, muxer, muŕer, mariðo, maridu, meriðu, marit, maðre, marə, paðre, parə, paxaro, pasəru, pasəre, serpjente, sirpēti, ſarpe, ſjerpe, ſerp, ſarpe, berme, vermi, verm, arþol, albero, aþvori, arvuri, abrə, par, fruto, frutə, frujt, fröſe, frunzə, flor, fjo:re, floare, pār, orexa, oreſe, oreſe, ureſə, narið, naris, neriſ, gurə, kor, sqare, estreja, istrele, iſtrele, mar, treveſ, tanebrəs, tfer, djurno, zorn, xornada, nombre, beber, bere, biþer, bæwrə, komer, kumer, mandukar, mandzare, mēzar, morðer, murðer, moskar, morsikare, sugar, kuſpir, eskupir, eſputar, sputare, saber, seber, konoðer, kuņiser, kwidar, kužitar, pensar, pensare, pēsar, temer, timer, tremmer, tremex, trimer, dormir, durmir, bibir, viver, biwrə, morir, muker, muri, anegar, matar, metar, uttfidere, pupar, batir, bəter, batrə, kaðar, keſar, puxar, puſar, segar, siyar, kortar, kurtar, taxar, teſar, dibidir, dividið, ender, fēder, fendrə, partir, pərtir, separar, separax, sipərar, səpəra, pūzir, raer, vøer, rawrə, rasar, vøzar, raskar, vøſkar, kusar, kabar, kevar, eskabar, iſkevar, nadar, nwtare, neðar, nabegar, neviyar, bolar, volare, vwar, zvolare, zbura, kaminar, kamminare, keminar, andar, ēdar, benir, venire, vir, ekstender, iſtēder, əstendrə, jaðer, dzaſe:re, zəzer, zawrə, ser, sentar, sētar, estar, iſtar, jebar, livar, alðar, aſsar, tornar, turnar, xirar, dżirare, zirar, zira, birar, virare, virar, bira, torðer, kaer, kadere, kəir, tumber, tōbar, tener, tenere, ter, segurar, ſigurar, siyurar, ekspremir, əspremə, serar, sərar, ðerar, siðar, apretar, ərirtar, estrepir, əstreþə, fregar, frəga, iſfrigar, iſfriyar, frotar, frisar, frəsa, laþar, ləvar, estarsir, enxugar, ēſugar, ēſuyar, limpjar, lipar, tirar, tſira, tira, traze, trezer, trewrə, eſjar, zejtar, lanðar, lēsar, arankar, aruſka, legar, atar, ətar, koser, kuzer, kontar, kōtar, enumerar, enumera, deðir, dizer, kantar, kētar, ludir, xugar, zuyar, flugtwar, flutuar, fluir, flwir, kolar, kuar, eskurir, iſkurer, skurðe, korer, kuſer, kurðe, elar, žilar, žimar, keſar, teſar, pərtir, sipərar, vøer, vøzar, vøſkar, kevar, iſkevar, iſkevar, neðar, neviyar, keminar, keminar, zəzer, zəzer, kəir, ərirtar, ləvar, trezer, ətar, ərder, direjte, direjte, emarelu, emarelu, dues, duſ, eki, ei
29	v	feme, femje, done, iſpoze, meriðu, biſe, paseru, selve, frute, foſe, fröſe, kawde, penə, keþelu, kabese, keþese, teſte, teſte, oreſe, oreſe, neriſ, boker, iſpadwe, awme, alme, figedu, fiyeðu, lue, istrele, iſtrele, agwe, juve, teke, teke, kelizēj, nevwe, treveſ, fumase, siſe, mōtəre, mōtəre, diə, enu, ligwe, seber, metar, bəter, keſar, teſar, pərtir, sipərar, vøer, vøzar, vøſkar, kevar, iſkevar, iſkevar, neðar, neviyar, keminar, keminar, zəzer, zəzer, kəir, ərirtar, ləvar, trezer, ətar, ərder, direjte, direjte, emarelu, emarelu, dues, duſ, eki, ei
30	œ	fœm, dœm, fœj, floek, œf, œj, gœl, kœk
31	ε	femine, efā, pes, pēhō, uttfello, utſjel, sjərpē, serpe, verm, vjer, vjer, sewva, selve, selve, kōde, plume, pen, pēnə, pene, pel, kəbeſ, fəve, tet, testa, teſte, teſte, tſes, teſte, ureſə, bōce, kwel, spale, petto, pet, əstel, stele, mēx, sel, terra, teke, terə, tjere, nevwe, teneb, treveſ, sjel, tſelo, sew, sel, vento, zel, dſelo, zē, sendrə, tſinize, munte, 'lengə, bæwrə, səþe, kōnet, kunefə, tſesi, teji, fendere, fendrə, nēdji, merðere, estendere, et, es, spremer, seke, əstreþə, strengi, terðere, tēk, trewrə, əmpənə, dſete, inſendjare, espes, əspe, grwəs, gſijef, greve, grevi, bēf, breve, brevi, brevi, əstret, stret, deſyaðu, sek, sek, sef, deſtro, deſtru, deſtru, deſtra, dret, 'dret, vœme, bərmeſ, vert, vœ, vert, džen, emarelu, emarelu, tres, ke, ε
32	l	mulierem, mulier, animalia, alimari, nema:l, awikellum, uttfello, utſjel, peduklus, pedoli, arþol, albero, arbul, silwa, selba, selva, selve, pa:lus, pal, palo, pa:l, folia, flo:rem, floek, flor, flok, flo, flō:k, flo:r, floare, kola, plu:ma, plym, pluma, ploma, plom, plume, pilus, pwal, pelo, pelu, pilu, pel, pe:l, kapillus, kapello, kabelu, keþelu, o:rikla, orele, okulus, voli, gula, goel, gola, golə, gōle, a:la, el, ala, alə, ale, kolum, kollo, kōlu, kwel, spatula, epol, espalda, spalla, spal, spale, alma, alme, so:lem, sol, sole, sol, sol, solikulus, solej, soreli, lu:na, lyn, luna, lue, lōn, lune, lunə, ste:lla, etwal, stella, istrele, iſtrele, əstel, stō:l, stele, pluwia, plūi, pluza, plu:k, ploje, pləje, flu:men, flumi, flumi, flum, lakum, lak, lago, lago, lagu, layu, la:t, sa:lem, sel, sal, sale, sa:l, nu:bilus, nublo, nuvola, nublada, nu:l, ka:li:ginem, kalina, kaliðine, kalizēj, kelizēj, nebula, njoly, njebla, newlə, tinjeblas, kajlum, sjel, θjelo, tſelo, sel, tſi:l, gelu:, zel, jelo, dſelo, ling*a, lāg, lengwa, lingwa, ligwe, lēu, 'lengə, limbə, pulsa:re, pulsare, pulsa:, pulsa, ta:liare, jugula:re, zygye, jugula:re, ça:ve, wola:re, vole, bolar, volare, bula, vōle, zvolare, zvolar, leva:re, lōve, levare, levax, livar, leva:, lua, altiare, alðar, altsare, əlsa, altfa:, lawa:re, lave, laþar, lavare, ləvar, lava:, la, limpida:re, limpjar, lipar, pulsa:, lankea:re, lōse, lanðar, lanfare, lēsa, lēsar, lanci:, lanfa:, ligare, lie, legar, legare, lōji:, lea:, lega, lu:dere, ludir, flu:ktuar, flyktue, flugtwar, flutuar, flutua, fluktua, fluctua, fluitare, fluitare, fluere, flye, fluir, fluire, flwir, flwir, flui, flui, ko:la:re, kule, kolar, kolare, kōle, gela:re, zōle, elar, dſelare, žilar, zōla, dſale, glakia:re, glase, glōsa, glatfa:, inglakia:re, bōyle, bōu:le, flamma:re, flōbe, flamear, flagra:re, flagve, flagnar, flagnare, flagvax, flagnar, ustula:re, ustolare, multus, molto, mol, molc, mult, alguno, alkuno, əlgu, alter, altro, altrə, altri, alt, alius, longus, lō, longo, lungu, lōgu, lō, lunk, lung, largus, lāg, laryo, largo, lāgu, largu, lark, larg, lat:us, le, lato, latu, lat, amplus, āpl, amplə, lurdus, lūx, lerdo, lordo, pitulus, pikkolo, piſful, de:lika:us, deſyaðu, delikato, dēlikat, subti:lem, sutil, sottile, suptil, suti:l, vermikulus, galbinus, galben, amarellus, emarelu, emarelu, albus, albo, alvu, alb, illa:k, la

Appendix 3 - Segments used in the word list

33	r	mulierem, mui:r, mujere, mulier, mui:r, mujere, mari:tus, marito, mari:t, m̃arit, ma:trem, ma:dre, mari, patre, pa:dre, pe:r, pari, passerem, passero, serpentem, serpente, s̃arpen, sarpint, serpens, s̃erpe, wermem, verme, vjer, vjerme, arborem, arbul, arbore, fruktus, frutto, frut, frukt, frondea, fronda, flo:rem, flo:r, o:rikla, orekkja, orele, ureke, narit̃e, na:r̃is, dorsum, kor, kw̃ore, k̃or, ku:r, soreli, ri:wus, rio, riw, riw, ri:pa:ria, rivi:ʒ, mare, mar, ma:r, sare, terra, tjera, terra, t̃er̃a, tjere, tsar̃a, nor, negur̃a, tene:braj, t̃e:nebre, tene:bra:s, t̃e:nebre, d̃ger, kinerem, t̃fenere, s̃endr̃a, diurnum, d̃orno, diurna:ta, d̃ornata, dzornade, bibere, komedere, manduka:re, morde:re, m̃ordere, mwardi, morsika:re, morsikare, mus̃agar, murseka, su:gere, konspuere, sputere, ski:re, sapere, kogno:skere, konoffere, ko:gita:re, ko:d̃itare, pe:nsa:re, time:re, temere, tremere, tremare, trima:, dormi:re, dormire, durmi, durmi:, dormi, wi:were, vivere, morire, muri:, muri, neka:re, annegare, tu:ta:ri, makta:re, okki:dere, pugna:re, puɲɲare, battuere, battere, kaptia:re, kat̃fare, pulsa:re, pulsare, seka:re, segare, kurtare, ekskurta:re, skortare, skurta:, skurta, ta:lia:re, ta:l̃a:re, di:widere, dividere, skindere, findere, findere, fendere, parti:re, partire, p̃arti, parti:, se:para:re, separare, separa:, separa, pungere, pund̃gere, jugula:re, jugula:re, ra:dere, raer, radere, rawr̃a, rada:, rade, rasar, rasare, r̃a:za, rasa:, raskar, r̃aska, fodere, kawa:re, kavare, ekskawa:re, skavare, nata:re, naviga:re, navigare, wola:re, mergere, merd̃gere, merd̃ge, ambita:re, andare, weni:re, ekstendere, estendere, jake:re, d̃gere, sede:re, sedere, sedenta:re, sta:re, stare, leva:re, levare, altia:re, altsare, torna:re, tornare, turna, tu:r̃ne, torna:, turna, gyra:re, d̃girare, d̃gira:, virare, tork ^w :e:re, t̃arf̃ere, turser, t̃ors̃a, t̃qart̃e, kadere, kawr̃a, tene:re, eksprimere, spr̃emere, i:spr̃ameʒ, i:spr̃amer, esprimi, skreme, serrere, serar, s̃ara, serare, ̃erar, serrare, appekto:re, stringere, strind̃gere, ̃f̃tr̃iz̃ir, ̃f̃tr̃iz̃ir, stringe, strengi:, strind̃ge, frika:re, fregare, froj, frea, freka, frikta:re, frettare, frisar, lawa:re, lavare, tergere, terd̃gere, ekstergere, ̃a:st̃erzi, s̃terd̃ge, eksu:ka:re, affugare, limpida:re, tira:re, tirare, tire, tira:, trahere, trarre, traj, trad̃ge, impingere, impind̃gere, jakta:re, d̃zettare, lankea:re, lañfare, e:runka:re, arankar, arront̃fare, liga:re, legare, apta:re, ko:nsuere, kut̃fire, komputa:re, kontare, e:numera:re, enumerare, numara, di:kere, dire, ekspo:nere, sporre, kanta:re, kantare, lu:dere, joka:re, d̃gokare, flu:ktua:re, fluttuare, fluita:re, fluitare, fluere, fluire, kola:re, kolare, ekskurrere, eskurir, skorrere, ̃askor̃a, skori:, kurrere, korer, korrere, kor̃a, kori, gela:re, d̃elare, glakia:re, gjatt̃fare, inglakia:re, brut̃fare, bruza:, krema:re, kremare, kr̃ama, flamma:re, fjammare, arde:re, ardere, flagra:re, flagrare, inkendere, int̃fend̃jare, ustula:re, ustolare, ustura, alter, altro, altri, grandem, grande, gran, grant, majjore:m, largus, largo, lark, larg, krassus, grasso, gras, gras, gurdus, grossus, gr̃osso, gr̃wes, gros, grawis, greve, grav, grevi, lurdus, lordo, kurtus, korto, kurt, brewis, br̃eve, striktus, stretto, stret, strimt, m̃arunt, subtsire, dekstrum, destro, di:re:ktus, destra, dir̃ejt̃e, dr̃o:t, 'dret, russus, roxo, rosso, ros, r̃os, vermikulus, vermi:l̃o, b̃orme:l̃, rubeus, rubjo, r̃obbjo, rubeo, rud̃ge, r̃oʒ, rojb, wiridem, verde, vert, amarellus, krokeus, kroʒeo, tre:s, tre, tr̃es, tr̃o:, 'tre:, trej, k ^w attwor, kwattro, kwatri, patru
34	x	muxer, muxer, paxaro, p̃joxo, oxa, orexa, oxo, xornada, puxar, taxar, xirar, enxugar, xita, xugar, roxo, bermexo
35	λ	mo:l̃le, mu:leʒ, mu:ler, mu:le, mo:l̃le, mu:leʒ, mu:ler, mu:le, use:l̃, pio:lu, po:l̃, fo:l̃la, fo:l̃e, fu:l̃a, k̃ebe:l̃, ore:l̃e, orej̃le, ure:l̃a, o:lu, ko:l̃, ̃aspa:l̃l̃a, luña, lak, ta:l̃la:re, ta:lav, te:lar, ta:l̃a, l̃aba, l̃ansa, li:ya, lo:ɲ, lark, vermi:l̃o, ve:me:lu, vir̃mej̃lu, b̃orme:l̃, ̃ala
36	ʒ	mu:leʒ, mu:leʒ, ma:vi, meʒ, peʒ, seʒp̃a, seʒp̃eʒi, s̃jeʒp̃e, veʒ, veʒmi, aʒb̃v, aʒvori, fiʒi, floʒ, floʒ, flo:ʒ, ovej, koʒ, koʒ, ku:ʒ, plu:ʒ, vu, viw, vii, vi:veʒ, rivi:ʒ, meʒ, maʒ, meʒ, teʒ, teʒe, teʒe, te:ʒ, teneʒi, si:ʒ, s̃aʒv, zuʒ, z̃oʒna, zuʒne, b̃waʒ, beʒeʒ, b̃oʒ, m̃eʒʒaʒ, moʒd̃v, moʒdeʒ, sugaʒ, kuspiʒ, savwaʒ, saʒeʒ, k̃oneʒ, koʒeseʒ, kuzitaʒ, p̃esaʒ, tem̃eʒ, kṽeʒd̃v, trem̃eʒ, d̃oʒmiʒ, doʒmiʒ, dwaʒmi, viṽv, viʒeʒ, muʒiʒ, moʒeʒ, mu:leʒ, mataʒ, ̃aks̃iʒ, bat̃v, bateʒ, kas̃aʒ, puʒaʒ, segaʒ, koʒtaʒ, ekuʒte, ta:lav, d̃ziviʒ, f̃aʒv, f̃eʒeʒ, paʒtiʒ, paʒt̃iʒ, s̃aʒve, sepaʒaʒ, pw̃eʒd̃v, p̃uʒiʒ, vaʒeʒ, veʒeʒ, vaʒe, vaʒaʒ, veʒaʒ, vaʒkaʒ, veʒkaʒ, fw̃iʒ, keʒaʒ, iʒkeʒaʒ, naʒaʒ, naʒiʒaʒ, voaʒ, keʒiʒaʒ, maʒʒe, ̃eʒaʒ, ṽaʒiʒ, viʒ, et̃aʒv, ist̃eʒeʒ, zeʒiʒ, zeʒeʒ, swaʒ, seʒ, et̃v, leʒaʒ, tuʒne, toʒnaʒ, ziʒe, viʒe, t̃oʒṽ, fw̃aʒ, t̃oʒaʒ, t̃aʒiʒ, teʒ, siguraʒ, ep̃eʒd̃v, i:spr̃ameʒ, seʒa, seʒe, siʒaʒ, et̃ṽeʒ, fiʒeʒ, fiʒote, tiʒe, t̃veʒ, kud̃v, enumeʒe, diʒ, di:ʒ, zoʒaʒ, flutuʒaʒ, fw̃iʒ, koʒaʒ, iʒkoʒeʒ, kuʒiʒ, koʒeʒ, kuʒeʒ, b̃uyle, b̃u:le, kṽame, keʒmaʒe, aʒṽ, aʒdeʒ, flag̃eʒ, flag̃aʒ, ot̃v, gṽa, gṽa, laʒv, laʒvu, gṽa, gṽo, gṽiʒef, luʒ, kuʒ, kuʒtu, ku:ʒ, b̃veʒ, b̃veʒ, et̃ṽa, st̃ṽo:, d̃k̃wat, vu, voʒv, voʒu, veʒmeʒ, veʒme:lu, vuʒ, veʒ, veʒ, t̃ṽwa, kat̃v
37	i:	mui:r, mui:r, mari:tus, mari:t, fi:ka:tum, ri:wus, ri:pa:ria, rivi:ʒ, ka:li:ginem, si:ʒ, fi:l̃, ma:ɲi, sysi:, ski:re, dormi:re, durmi:, wi:were, muri:, okki:dere, t̃fesi:, teji:, di:widere, parti:re, parti:, neʒd̃gi:, ma:ʒt̃i:, weni:re, viʒi:, h̃o:si:, strengi:, pu:si:, lanci:, l̃ji:, di:kere, di:ʒ, di:, skori:, subtil̃em, sut̃il̃, di:re:ktus, k ^w :i:nk ^w e, ekkumhi:k, ibi:, ki:, si:k
38	ɲ	doɲa, niɲo, alimaɲa, peɲa, peɲa, m̃oɲaɲ, montaɲa, montaɲɲa, m̃oɲeɲe, m̃oɲeɲe, muntaɲa, m̃ontaɲe, ɲot, aɲo, aɲ, m̃aɲza, maɲi:, koʒeseʒ, kuɲiser, koɲosi, puɲar, puɲɲare, puɲa, puɲi, keʒiɲaʒ, keʒiɲaʒ, viɲi:, estreɲir, ̃estreɲe, ̃aɲpeɲe, oɲpi, maɲo, maɲɲo, pekeɲo
39	qa	d̃oam̃na, f̃oaje, floare, ̃oade, s̃oare, p̃loaje, ñoapte, kuñoaf̃te, t̃qart̃e, ̃oase
40	h	hominem, homo:, p̃eh̃o, u:he:, kiñoh, h̃o:si:, trahere, ekkumhi:k
41	ēj	om̃ēj, ̃om̃ēj, neñēj, nuṽēj, kaliz̃ēj, k̃ēj, ñēj
42	ō	ō, m̃ō, ñō, k̃ōspyē, l̃ō, ñō

Appendix 3 - Segments used in the word list

43	ā	āfā, ēfā, sēpā, vā, sādā, ā, lāg, māze, pāse, fādā, etādā, lāse, fāte, fāte, flābe, ēsādje, gā, gā, āpl, pāzā, kā, komā
44	ī	ifēfi, ifēti, sīzef, ligwē, ātrīzīr, ātrīzīr, lipar, īsendjār, īsēdjār, sīku
45	ē	ifēfi, ifēti, mōtēne, mēzā, mēzār, ēdā, ēdar, lēsa, lēsar, kētar, tētu, tētu, grēdži, grēdi, ēfu, kwēdu
46	f	ifēfi, sōfo, utfello, utfel, sēpēfi, fivja, fēs, narifē, pēfo, fēatfē, fēlo, fīl, fēr, fēnere, fīnize, fēnufo, mōfi, nofē, matfa, utfidere, ufide, katfare, fesi, catfa, pāfjī, fīmine, ma:fjī, dātfe:re, zāfēa, tōrfere, tōartfe, fē:r, fjade, fīra, efar, lanfare, lanfa:, arronfare, kufire, zifē, fāte, gjattfjare, glafja:, brufare, infendjare, infindze, mufo, anfo, pittino, pitful, estrefo, sufīw, sēf, derefo, rōf, krotfo, fīnkwe, 'fīnk, fīnf, fīne, fē, fēmu:t
47	i	ifēti, ifpoze, ifpozu, pēji, avi, sirpēti, vermi, arvuri, pilu, iftrele, flumi, riw, vint, mōti, nojti, nomi, bißer, minka, kupiser, timer, trimer, siyar, sipērar, naviyā, neviyar, iftar, livar, sigurā, siyurar, sīkar, epirtar, strindze, ifrigar, ifriyar, impindze, kinta, zilar, ingetsa, infindze, grēdi, gravi, pizaðu, pikenu, brevi, ingust, iftrejtu, strimt, vīrmejā, verdi, ki, kind
48	p	sponsa, epuz, esposa, spōza, ispoza, ifpoze, āspōzā, sponsus, epu, esposo, spōzo, ispozu, ifpozu, āspōs, spo:s, patre, pē, padre, pa:re, paj, parā, pē:r, pari, piskem, peθ, peffe, peji, pēji, pēf, pēs, pefte, pwasō, pēhō, passerem, paxaro, passero, paseru, pasere, peduklus, pu, pjoxo, pidakkjo, pioā, pōl, pju, pedoli, pēdukje, serpentem, sēpā, serpjente, serpente, sēpēfi, sirpēti, sēpen, sjēpē, sarpint, farpe, serpens, sjerpe, sēpe, serp, farpe, pa:lus, pal, palo, paw, pa:l, par, plu:ma, plym, pluma, pjuma, plomā, plōm, plumē, penna, pen, peņa, penē, peņa, pen, pene, panā, pilus, pwal, pelo, pelu, pilu, pel, pe:l, pēr, kapillus, kapello, kapitia, kap, spatula, epol, espalda, spalla, ifpadwe, āspaāā, spal, spale, spate, pektus, pi, pēfo, pētto, pejtu, pejtu, pit, pēt, pjept, apā, pluwia, plqi, pjoddza, plužā, plu:ž, ploje, plqaje, ri:pa:ria, nqapte, konspuere, kōspyē, kuspīr, kuspīr, eskupīr, āskupi, skujpa, sputere, esputar, sputare, spuda:, sapere, pe:nsa:re, pāse, pensar, pensare, pēsā, pēsar, pāsa, pēse, peņa:, pāsa, pugna:re, puņar, puņjare, puņa, kaptia:re, pulsa:re, puse, puxar, pulsare, puřar, puřar, pulsa:, pulsa, parti:re, paktīr, partīr, partire, pāfjī, pērtīr, pērti, pō:rti, parti:, se:para:re, separar, separare, separā, sipērar, sēpāra, separa:, separa, pungere, pwēdā, pūdzere, pūzīr, pūzīr, puņi, pūdzē, eksprimere, epēdā, ekspremir, spremere, ifprēmā, ifprēmā, āspremā, esprimi, appektora:re, apretar, epirtar, limpida:re, limpjar, lipar, puse, pu:si:, pulsa:, impingere, impindze, āmpēnā, impindze, apta:re, komputa:re, eksponere, sporre, spune, paūkus, pō, poko, pōko, powku, pōk, pō, pō:k, amplus, āpl, ampjo, amplā, spissus, epe, espeso, spesso, espesu, ifpesu, āspēs, spē, pe:sant, pēzā, pesađo, pesante, pezadu, pizađu, pēzat, pezant, pittitus, pēti, pētit, piti, 'pittinus, pekeņo, pittino, pekenu, pikenu, putsin, pitulus, pikkolo, pitful, suptil, drept, patru
49	z	epuz, spōza, ispoza, ifpoze, āspōzā, spōzo, ispozu, ifpozu, wazo, frunzā, sīzef, fīnize, zi, waze, wazā, wēzar, rāza, zjava:, zvolare, zvola:, zbura, zezīr, zēzē, zēzer, zāfēa, traze, trēzer, kuzer, kuzi, kō:z, kuzi, dīzer, zifē, bruza:, pēzā, pezadu, pizađu, pēzat, pezant
50	ō	mariđo, meriđu, madre, padre, iyađo, fiyeđu, morđer, murđer, diviđir, neđar, tođu, pesađo, pizađu, miuđu, deyađo, deyađu

Appendix 3 - Segments used in the word list

51	k	sokius, piskem, awikellum, peduklus, pidɔkkjo, pɔdukje, fru:ktus, frukt, kaɥda, kɔ, kola, koda, kawɔ, kua, kɔw, kɔɔ, kapillus, kabejo, kapello, kabelu, kɔβelu, kɔβeɔ, kapitia, kaβeθa, kavettsa, kabesɔ, kɔβesɔ, kap, o:rikla, orekkja, ureke, okulus, ɔkkjo, bukka, boka, bokka, boke, bokɔ, bɔk, bukɔ, kolum, ku, kwejo, kollo, kɔlu, kɔɔ, kwel, pektus, kor, kɔɔ, kwɔre, kɔɔ, kor, kɔr, ku:ɔ, ku:r, fi:ka:tum, fikar, solikulus, akkwa, lakum, lak, ɔak, ka:li:ginem, kalina, kalidɔine, kalizɛj, kɔlizɛj, kajkia, kajlum, fokum, fwɔko, fɔk, fu:k, fok, kinerem, komedere, komer, kome, kumer, manduka:re, mandukar, minka, morsika:re, moskar, morsikare, murseka, konspuere, kɔspye, kuspiɔ, kufpir, eskupir, ɔskupi, skujpa, ski:re, kogno:skere, kɔnɛtɔ, konoθer, konoffere, kopeseɔ, kupiseɔ, kunɛfɔ, kinɔh, koposi, kungafte, ko:gita:re, kɥide, kwidar, kodɔitare, kuzitaɔ, kuzitar, kujda, kudɔeta, kɔɔɔ, neka:re, neka, makta:re, okki:dere, ɔksiɔ, uksi, kaptia:re, kaθar, kattfare, kasar, kɔsar, kɔsa, seka:re, kurta:re, kortar, kɔrtar, ekskurta:re, ekurte, skortare, skurta:, skurta, skindere, raskar, ɔafkar, ɔɔkar, raska, kosaɔ, kusar, kawa:re, kabar, kavare, kevax, kevar, kaba, ekskawa:re, eskabar, skavare, ijkɔvar, ijkɔvar, kaminar, kamminare, keminaɔ, keminaɔ, kamina, ekstendere, ekstender, ekstinde, jake:re, kadere, kaer, kadere, keir, kawɔ, kɔɔ, eksprimere, eksprimir, skreme, appektora:re, frika:re, freka, frikta:re, ekstergere, eksu:ka:re, uska, jakta:re, lankea:re, e:runka:re, arankar, arunka, ko:nsuere, kudɔ, koser, kufjire, kuzer, kuzi, kɔ:z, kuzi, komputa:re, kɔte, kontar, kontare, kɔtar, kumta, konta:, di:kere, eksponere, kanta:re, kantar, kantare, kɔtar, kanta, kinta, joka:re, dɔkare, zuka, flu:ktua:re, flyktɔ, fluktua, ko:la:re, kule, kolar, kolare, koar, kuar, kuɔa, kɔle, ekskurrere, eskurir, skorrere, ijkɔɔ, ijkurir, ɔskorɔ, skori:, skurɔ, kurrere, kuxiɔ, korer, korrere, kɔɔ, kuɔer, korɔ, kori, kurɔ, glakia:re, inglakia:re, kremare, kɔame, kamar, kremare, kejmare, kejmare, krɔma, inkendere, okɔ, alkuno, paɥkus, poko, pɔko, powku, pɔk, po:k, lunk, ɔark, lark, krassus, pekeɔ, pekenu, pikenu, pikkolo, kurtus, kuɔ, korto, korto, kuɔtu, kurtu, kurt, ku:ɔ, kurt, striktus, de:lika:tus, delikato, dɔlikat, sikkus, sek, seko, sekko, seku, sek, sek, dekstrum, di:re:ktus, vermikulus, krokeus, krotɔeo, grɔk, katɔ, kwatro, kwattro, kwatru, kwatrɔ, kwat, kwatri, sɛk, θinko, ɔɔkwe, siku, siɔk, ɔɔk, ekkumhi:k, aki, kwi, eki, illa:k, ki, ki, kwi, kjen, kɛj, kɛj, kwa, ke, ki, ke, kwɛ:, kɔ, kwando, kwɔdu, kwan, kwand, kwant, kind, kɔmɔ, komo, kome, komu, kɔm, kɔmɛ, kum, nek, si:k
52	ts	sots, tsɔastɔ, tsarɔ, altsare, tsine, ingetsa, putsin, subsire
53	a:	ma:trem, ma:dre, pa:dre, nema:l, pa:lus, pa:l, ca:f, na:sus, na:so, na:s, na:ris, a:la, fi:ka:tum, fija:t, ri:pa:ria, la:t, ma:r, sa:lem, sa:l, ka:li:ginem, tene:bra:s, fu:ma:ta, fuma:ta, montane:a, diurna:ta, manduka:re, manja:, morsika:re, cuca:, spuda:, ko:gita:re, pensa:re, penja:, trima:, neka:re, tu:ta:ri, makta:re, matja:, pugna:re, kaptia:re, catja:, pulsa:re, pulsa:, seka:re, sea:, kurta:re, ekskurta:re, skurta:, talia:re, taɔla: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:rtfi:, ambita:re, sedenta:re, senta:, sta:re, sta:, leva:re, levar, alia:re, altja:, torna:re, torna:, gyra:re, dɔira, appektora:re, frika:re, frikta:re, lawa:re, lava:, eksu:ka:re, suja:, limpida:re, tira:re, tira:, pulsa:, jakta:re, lankea:re, lanja:, e:runka:re, liga:re, lea:, apta:re, komputa:re, konta:, e:numera:re, kanta:re, canta:, joka:re, dɔuja:, flu:ktua:re, fluita:re, ko:la:re, gela:re, glakia:re, gla:ta:, inglakia:re, bruza:, kremare, flamma:re, flagra:re, ustula:re, la:tus, de:lika:tus, illa:k
54	ɔj	mɔj, nuvɔj, kɔlizɛj, kɛj, nɔj
55	r	mer, vjer, fry, ɔraj, savɔ:r, mɔri, pɔ:rti, ma:rtfi:, ɔɛ:r, sɔrar, sere, ijkurir
56	aj	paj, ɔraj, aɔɔwɔ, tene:braj, kajkia, kajlum, nwaje, traj, majjo:rem, duaj
57	ɛ:	pɛ:r, u:he:, ɛ:w, te:ɔ, te:nebre, te:nebre, ɔɛ:r, kwɛ:
58	θ	peθ, kaβeθa, nariθ, θjelo, θeniθa, konoθer, kaθar, jaθer, alθar, torθer, θerar, lanθar, deθir, enθender, θinko
59	ej	pejfi, cavej, ɔɔej, seju, pejtu, zejtat, kejmare, istrejtu, trej
60	ɔj	pejfi, ɔɔej, seju, pejtu, kejmare, iftrejtu, direjte, direjte, virmejlu
61	ɔ	pwasɔ, pehɔ, frɔsɔ, mɔfi, mɔti, mɔtar, mɔtɔne, mɔtɔne, nɔ, tɔbe, tɔbar, kɔte, kɔtar, pɔ, ɔt, lɔgu, lɔ, ɔ
62	ɛ	seɔpɛfi, sirpɛti, seɔpɛ, sɛ, vɛtu, vɛ, pɛsar, pɛsar, kɔɔ, fedɔ, fedɔ, istɛder, iftɛder, sɛtar, ɛfugar, ɛfugar, isɛdjar, sɛk, nɛ
63	β	arβol, kɔβelu, kaβeθa, kɔβesɔ, nuβuɔ, biβer, sɔβe, laβar
64	ɔ	seɔve, sɔɔ, nuβuɔ, zeɔ, aɔsa, aɔsar, kuɔa, flama, aɔgɔ, aɔ, deɔaɔu
65	ɥ	fɔɥi, plɥi, nɥi, kɥide, tɥe, esɥije, flyktɥe
66	dz	frondza, dzornade
67	ɔ:	flɔ:ɔ, gɔ:j, fɔ:t, stɔ:l, fɔ:, bɔ:ɔ, savɔ:r, kɔ:z, stɔ:ɔ, drɔ:t, dɔ:, trɔ:
68	aɥ	kaɥda, paɥkus
69	ɔ	kɔ, fɔvɔ, lɔn, fɔ, pɔ, dɔ
70	c	cɔadɔ, cavej, ca:f, bɔce, noctem, cuca:, catja:, camina:, lanci:, cɔase, cantar, fluctua, molc, tanc
71	ɔa	tsɔastɔ, stɔa, ɔɔaɔ, bea, zɔɔa, fedɔa, kɔɔa
72	kʲ	okʲ

Appendix 3 - Segments used in the word list

73	g	gula, gola, golə, gəle, gurə, age, lago, 'lenge, pugna:re, segar, segare, jugula:re, naviga:re, naviga:, mergere, gyra:re, stringere, stringe, strengi:, fregare, impingere, lega, xugar, glaŋfa:, ingetsa, flagka, alguno, magnus, grandem, gran, gka, grant, longo, lung, largus, larg, gras, gurdus, grossus, grasso, grosu, grwes, gros, grav, grevi, grew, ingust, grək
74	a	am, fwa, bwa, taje, waze, gka, twa
75	ɔ:	ɔ:m, pɔ:rti, hɔ:si:
76	ʏ	iyaɔo, fiyɔdu, aɣwa, ajɣwə, layu, foyu, musəya, siyar, səya, naviya, neviyar, siyurar, ifriyar, efuyar, liya, zuyar, larɣo, delyaɔo, deŋyaɔu
77	ej	səlej, fweje, vɛmɛj
78	k ^w	ak ^w a, tork ^w e:re, k ^w attwor, k ^w i:nk ^w e, k ^w is, k ^w em, k ^w id, k ^w ando:, k ^w o:modo
79	ē:	sē:d
80	ŋ	aŋ, nŋ, leŋgwa, maŋja:, peŋsa:, aruŋka, loŋ, iŋgust, uŋ, ʃiŋkwe, siŋk, 'ʃiŋk
81	g ^w	ling ^w a
82	ēu	lēu
83	ʃ	maŋja:, java:, zjava:
84	ē	pēse, sēde, fēt, pweɔdɔ, epweɔdɔ, etweɔdɔ, ēsādje, kɔmē
85	ũ	pūziz, pūzir, mūjtu, awgũ, aŋgũ, ũ
86	ɫ	kosaɫ
87	ç	çə:vle
88	ɑ:	çə:vle
89	j	mūjtu
90	œ	okœ, œ
91	ʊ	ʊofʊ
92	ēw	nēw

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
Louse	peduklus	p-ay-d-u-k-l-u-s
Snake	serpentem	s-ay-r-p-ay-n-t-ay-m
Snake-Serpens	serpens	s-ay-r-p-ay-n-s
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
Leaf	folia	f-oh-l-e-ah
Leaf-Frondea	frondea	f-r-oh-n-d-ay-ah
Flower	flo:rem	f-l-O-r-ay-m
Egg	o:wum	O-w-u-m
Tail	ka:da	k-au_diphthong-d-ah
Feather	plu:ma	p-l-Ū-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	j-u-l-ah
Wing	a:la	A-l-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

Appendix 4 - Word Lists by Language

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*wa	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
Earth	terra	t-ay-r-r-ah
Cloud	nu:be:s	n-U-b-ai-s
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_diphthong
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_diphthong-k-e-ah
Sky	kajlum	k-aj_diphthong-l-u-m
Wind	wentum	w-ay-n-t-u-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
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*wa	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
ToKnow	ski:re	s-k-E-r-ay
ToKnow-Sapere	sapere	s-ah-p-ay-r-ay
ToKnow-Cognoscere	kogno:skere	k-oh-g-n-O-s-k-ay-r-ay
ToThink	ko:gita:re	k-O-g-e-t-A-r-ay
ToThink-Pensare	pe:nsa:re	p-ai-n-s-A-r-ay
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

Appendix 4 - Word Lists by Language

ToLive	wi:were	w-E-w-ay-r-ay
ToKill	neka:re	n-ay-k-A-r-ay
ToKill-Tutari	tu:ta:ri	t-U-t-A-r-e
ToKill-Mactare	makta:re	m-ah-k-t-A-r-ay
ToKill-Occidere	okki:dere	oh-k-k-E-d-ay-r-ay
ToFight	pugna:re	p-u-j-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-j-A-r-ay
ToFly	wola:re	w-oh-l-A-r-ay
ToWalk-Mergere	mergere	m-ay-r-j-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-Gyrate	gyra:re	j-eeh-r-A-r-ay
ToTurnIntransitive-Torquere	tork*re	t-oh-r-kw-ai-r-ay
ToFall	kadere	k-ah-d-ay-r-ay
ToHold	tene:re	t-ay-n-ai-r-ay
ToSqueeze	eksprimere	ay-k-s-p-r-e-m-ay-r-ay
ToSqueeze-Serrere	serrere	s-ay-r-r-ay-r-ay
ToSqueeze-Serare	serare	s-ay-r-ah-r-ay
ToSqueeze-Appetere	appektora:re	ah-p-p-ay-k-t-oh-r-A-r-ay
ToSqueeze-Stringere	stringere	s-t-r-e-n-j-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

Appendix 4 - Word Lists by Language

ToPush	impingere	e-m-p-e-n-j-ay-r-ay
ToThrow	jakta:re	jg-ah-k-t-A-r-ay
ToThrow-Lanceare	lankea:re	l-ah-n-k-ay-A-r-ay
ToThrow-Eruncare	e:runka:re	ai-r-u-n-k-A-r-ay
ToTie	liga:re	l-e-g-A-r-ay
ToTie-Aptare	apta:re	ah-p-t-A-r-ay
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
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-Fluitare	fluita:re	f-l-u-e-t-A-r-ay
ToFlow	fluere	f-l-u-ay-r-ay
ToFlow-Colare	ko:la:re	k-O-l-A-r-ay
ToFlow-Excurrere	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
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_diphthong-k-u-s
Other	alter	ah-l-t-ay-r
Other-Alius	alius	ah-l-e-u-s
Big	magnus	m-ah-j-n-u-s
Big-Grandem	grandem	j-r-ah-n-d-ay-m
Big-Majjorem	majjo:rem	m-aj_diphthong-jg-O-r-ay-m
Long-Longum	longus	l-oh-n-g-u-s
Long-Largum	largus	l-ah-r-j-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	j-u-r-d-u-s
Thick-Grossum	grossus	j-r-oh-s-s-u-s
Heavy	grawis	g-r-ah-w-e-s
Heavy-Lurdus	lurdus	l-u-r-d-u-s
Heavy-Pesant	pe:sant	p-ai-s-ah-n-t
Small	pittitus	p-e-t-t-e-t-u-s
Small-Pittinus	'pittinus	p-e-t-t-e-n-u-s
Small-Pitulus	pitulus	p-e-t-u-l-u-s
Short	kurtus	k-u-r-t-u-s
Short-Brevis	brewis	b-r-ay-w-e-s
Narrow	angustus	ah-n-g-u-s-t-u-s
Narrow-Strictus	striktus	s-t-r-e-k-t-u-s

Appendix 4 - Word Lists by Language

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
Dry	sikkus	s-e-k-k-u-s
Right-Dextrem	dekstrum	d-ay-k-s-t-r-u-m
Right-Directus	di:re:ktus	d-E-r-ai-k-t-u-s
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_diphthong
Two-Duas	duas	d-u-ah-s
Three	tre:s	t-r-ai-s
Four	k ^w attwor	kw-ah-t-t-w-oh-r
Five	k ^w i:nk ^w e	kw-E-n-kw-ay
Here	ekkumhi:k	ay-k-k-u-m-h-E-k
There	illa:k	e-l-l-A-k
There-Ibi	ibi:	e-b-E
Who-Qui	k ^w is	kw-e-s
Who-Quem	k ^w em	kw-ay-m
What	k ^w id	kw-e-d
When-Quando	k ^w ando:	kw-ah-n-d-O
How-Quomodo	k ^w o:modo	kw-O-m-oh-d-oh
Not	no:n	n-O-n
Not-Nec	nek	n-ay-k
And-Et	et	ay-t
And-Si	si:k	s-E-k

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	ɔ̃	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	pwasɔ̃	p-w-ah-s-on
Bird-Avicellum	wazo	w-ah-zz-oh
Louse	pu	p-u
Snake	sɛʁpã	s-ay-rr-p-NasalA

Appendix 4 - Word Lists by Language

Worm	veɾ	v-ay-rr
Tree	aɾbɾ	ah-rr-b-rr
Stick	pəl	p-ah-l
Fruit	fɾɥi	f-rr-eu-e
Leaf	fœj	f-OpenMidNearFrontRounded-jg
Flower	flœɾ	f-l-OpenMidNearFrontRounded-rr
Egg	œf	OpenMidNearFrontRounded-f
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	oɾɛj	oh-rr-ɛj_diphthong
Eye	œj	OpenMidNearFrontRounded-jg
Nose	ne	n-ay
Mouth	buj	b-u-shh
Mouth-Gula	gœl	g-OpenMidNearFrontRounded-l
Wing	el	ay-l
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	kœɾ	k-OpenMidNearFrontRounded-rr
Heart-Anima	am	a-m
Liver	fwa	f-w-a
Sun-Solculus	solej	s-euh-l-eh_diphthong
Moon	lyn	l-eeh-n
Star	etwal	ay-t-w-ah-l
Water	o	oh
Rain	plɥi	p-l-eu-e
River-Rivus	ɾy	rr-eeh
River-Riparia	ɾivjɾ	rr-e-v-jg-ay-rr
Lake	lak	l-ah-k
Sea	mœɾ	m-eh-rr
Salt	səl	s-eh-l
Earth	tɾ	t-ay-rr
Cloud	ny	n-eeh
Fog-Nebula	njɔly	n-jg-euh-l-eeh
Fog-Tenebras	tenebɾ	t-ay-n-eh-b-rr
Fog-Fumata	fyme	f-eeh-m-ay
Sky	sjɛl	s-jg-eh-l
Wind	vã	v-NasalA
Ice	zɛl	gzah-eh-l
Fire-Focus	fø	f-uu
Ash	sãdɾ	s-NasalA-d-rr
Mountain	mõ	m-oon
Mountain-Montanea	mõtaɾ	m-on-t-ah-VdPalatalNasal
Night	nɥi	n-eu-e
Day-Diurnus	zuɾ	gzah-u-rr
Day-Diurnata	zuɾne	gzah-u-rr-n-ay
Year	ã	NasalA
Name-Nomen	nõ	n-oon
Tongue	lãg	l-NasalA-g
ToDrink	bwaɾ	b-w-a-rr

Appendix 4 - Word Lists by Language

ToEat-Manducare	māʒe	m-NasalA-gzah-ay
ToBite	moxdk	m-oh-rr-d-rr
ToSuck	syse	s-eeh-s-ay
ToSpit	kōspyē	k-oon-s-p-eeh-ay
ToKnow-Sapere	savwax	s-ah-v-w-ah-rr
ToKnow-Cognoscere	kōnetx	k-euh-n-eh-t-rr
ToThink	kujide	k-eu-e-d-ay
ToThink-Pensare	pāse	p-NasalA-s-ay
ToFear-Tremere	kxēdk	k-rr-ehn-d-rr
ToSleep	dōxmīx	d-euh-rr-m-e-rr
ToLive	vivx	v-e-v-rr
ToDie	mukix	m-u-rr-e-rr
ToKill	nwaje	n-w-aj_diphthong-ay
ToKill-Tutari	tjē	t-eu-ay
ToKill-Mactare	mate	m-ah-t-ay
ToKill-Occidere	ōksix	euh-k-s-e-rr
ToFight-Battuere	batx	b-ah-t-rr
ToHunt-Captiare	ʃase	shh-ah-s-ay
ToHit	puse	p-u-s-ay
ToCut	sje	s-jg-ay
ToCut-Excurtare	ekuxte	ay-k-u-rr-t-ay
ToCut-Taliare	taje	t-a-jg-ay
ToSplit-Scindere	sēde	s-ehnn-d-ay
ToSplit-Findere	fādx	f-NasalA-d-rr
ToSplit-Partire	paktix	p-ah-rr-t-e-rr
ToSplit-Separare	səvxē	s-aah-v-rr-ay
ToStab	pwēdk	p-w-ehnn-d-rr
ToStab-Iugulare	zygyle	gzah-eeh-g-eeh-l-ay
ToScratch-Rasare	kaze	rr-a-zz-ay
ToDig	fwix	f-w-e-rr
ToSwim-Navigare	naʒe	n-ah-gzah-ay
ToFly	vole	v-oh-l-ay
ToWalk	ʃəmine	shh-aah-m-e-n-ay
ToWalk-Marcher	maʃje	m-ah-rr-shh-ay
ToCome	vōnix	v-aah-n-e-rr
ToLieAsInABed	etādx	ay-t-NasalA-d-rr
ToLieAsInABed-Iacere	zeziʒ	gzah-ay-zz-e-rr
ToSit	swax	s-w-ah-rr
ToStand	etx	eh-t-rr
ToStand-Levare	lōve	l-aah-v-ay
ToStand-Altiare	ose	oh-s-ay
ToTurnIntransitive	tuxne	t-u-rr-n-ay
ToTurnIntransitive-Gyrare	ziʒe	gzah-e-rr-ay
ToTurnIntransitive-AncestralClass3	viʒe	v-e-rr-ay
ToTurnIntransitive-Torqueare	tōdx	t-euh-rr-d-rr
ToFall	ʃwax	shh-w-ah-rr
ToFall-Tumbare	tōbe	t-on-b-ay
ToHold	tōnix	t-aah-n-e-rr
ToSqueeze	epxēdk	ay-p-rr-ehnn-d-rr
ToSqueeze-Serare	seʒe	s-ay-rr-ay
ToSqueeze-Stringere	etxēdk	ay-t-rr-ehnn-d-rr
ToRub	fʒeje	f-rr-eh_diphthong-ay
ToRub-Frictare	fʒote	f-rr-oh-t-ay
ToWash	lave	l-ah-v-ay
ToWipe-Exsucare	esqije	ay-s-eu-e-jg-ay
ToPull	tiʒe	t-e-rr-ay
ToPull-Pulsare	puse	p-u-s-ay

Appendix 4 - Word Lists by Language

ToPull-Trahere	tʁɛʁ	t-rr-eh-rr
ToThrow	ʒɔte	gzah-aah-t-ay
ToThrow-Lanceare	lāse	l-NasalA-s-ay
ToTie	lie	l-e-ay
ToSew	kudʁ	k-u-d-rr
ToCount	kōte	k-on-t-ay
ToCount-Enumerare	enumɛʁe	ay-n-u-m-ay-rr-ay
ToSay	diʁ	d-e-rr
ToSing-AncestralClass	ʃāte	shh-NasalA-t-ay
ToPlay-Jiocare	ʒwe	gzah-w-ay
ToFloat	flyktʁe	f-l-eeh-k-t-eu-ay
ToFlow	flye	f-l-eeh-ay
ToFlow-Colare	kule	k-u-l-ay
ToFlow-Currere	kuxiʁ	k-u-rr-e-rr
ToFreeze	ʒɔle	gzah-aah-l-ay
ToFreeze-Glaciare	glase	g-l-ah-s-ay
ToBurn-Brojan	bʁyle	b-rr-eeh-l-ay
ToBurn-Cremare	kʁame	k-rr-ah-m-ay
ToBurn-Flammare	flābe	f-l-NasalA-b-ay
ToBurn-Ardere	aʁdʁ	ah-rr-d-rr
ToBurn-Flagrare	flagʁe	f-l-ah-g-rr-ay
ToBurn-Incendere	ēsādje	ehnn-s-NasalA-d-jg-ay
All-Totus	tu	t-u
Many	mu	m-u
Some	okæ	oh-k-uuh
Few	pø	p-uu
Other	otʁ	oh-t-rr
Big-Grandem	gʁā	g-rr-NasalA
Long-Longum	lō	l-oon
Long-Largum	laʁʒ	l-ah-rr-gzah
Wide	le	l-ay
Wide-Amplum	āpl	NasalA-p-l
Thick	gʁa	g-rr-a
Thick-Spissum	epe	ay-p-ay
Thick-Grossum	gʁo	g-rr-oh
Heavy	gʁijef	g-rr-e-jg-eh-f
Heavy-Lurdus	luʁ	l-u-rr
Heavy-Pesant	pəzā	p-aah-zz-NasalA
Small	pəti	p-aah-t-e
Short	kux	k-u-rr
Short-Brevis	bʁef	b-rr-eh-f
Narrow-Strictus	etʁwa	ay-t-rr-w-ah
Thin	məny	m-aah-n-eeh
Thin-Delicatus	du:ʒe:	d-U-gzah-ai
Dry	sɛk	s-eh-k
Right-Directus	dʁwat	d-rr-w-ah-t
Red	ʁu	rr-u
Red-Vermiculus	vɛʁmeʃ	v-eh-rr-m-eh_diphthong
Red-Rubeus	ʁuʒ	rr-u-gzah
Green	vɛʁ	v-ay-rr
Yellow	ʒon	gzah-oh-n
One	œ	uuh
Two-Duos	dø	d-uu
Three	tʁwa	t-rr-w-a
Four	katʁ	k-ah-t-rr
Five	sɛk	s-ehn-k
Here	isi	e-s-e

Appendix 4 - Word Lists by Language

There	la	l-ah
Who-Qui	ki	k-e
What	kwa	k-w-ah
When-Quando	kã	k-NasalA
How-Quomodo	kõmã	k-euh-m-NasalA
Not	nõ	n-oon
Not-Nec	ni	n-e
And-Et	e	ay

Spanish

Cognate	IPA	Sounds
I	jo	VdPalatalFricative-oh
We	nos	n-oh-s
YouPlural	bos	b-oh-s
YouSingular	tu	t-u
YouSingular-VostramMercedem	usted	u-s-t-ay-d
Woman	embra	ay-m-b-er-ah
Woman-Mulier	muxer	m-u-xha-ay-er
Woman-Domina	dõpa	d-oh-VdPalatalNasal-ah
ManHumanBeing	ombre	oh-m-b-er-ay
Child	infante	e-n-f-ah-n-t-ay
Child-Ninnus	nipo	n-e-VdPalatalNasal-oh
Wife	esposa	ay-s-p-oh-s-ah
Wife-Mulier	muxer	m-u-xha-ay-er
Husband	mariõo	m-ah-er-e-dd-oh
Husband-Sponsus	esposo	ay-s-p-oh-s-oh
Mother	maõre	m-ah-dd-er-ay
Father	paõre	p-ah-dd-er-ay
Father-Tata	tata	t-ah-t-ah
Animal	alimaña	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
Louse	pjoxo	p-jg-oh-xha-oh
Snake	serpiente	s-ay-er-p-jg-ay-n-t-ay
Snake-Serpens	sjerpe	s-jg-ay-er-p-ay
Worm	berme	b-ay-er-m-ay
Tree	arbol	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
Leaf	oxa	oh-xha-ah
Flower	flor	f-l-oh-er
Egg	webo	w-ay-b-oh
Tail	kola	k-oh-l-ah
Feather	pluma	p-l-u-m-ah
Feather-Penna	pepa	p-ay-VdPalatalNasal-ah
Hair	pelo	p-ay-l-oh
Hair-Capillus	kabejo	k-ah-b-ay-VdPalatalFricative-oh
Head	kaβeθa	k-ah-bb-ay-th-ah
Ear	orexa	oh-er-ay-xha-ah
Eye	oxo	oh-xha-oh
Nose	nasos	n-ah-s-oh
Nose-Nares	nariθ	n-ah-er-e-th
Mouth	boka	b-oh-k-ah

Appendix 4 - Word Lists by Language

Mouth-Gula	gola	j-oh-l-ah
Wing	ala	ah-l-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	peŋŋo	p-ay-ts-oh
Heart-Anima	alma	ah-l-m-ah
Liver	iyado	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-j-oh
Sea	mar	m-ah-er
Salt	sal	s-ah-l
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
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
Mountain	monte	m-oh-n-t-ay
Mountain-Montanea	montaja	m-oh-n-t-ah-VdPalatalNasal-ah
Night	noŋe	n-oh-ts-ay
Day	dia	d-e-ah
Day-Diurnus	djurno	d-jg-u-er-n-oh
Day-Diurnata	xornada	xha-oh-er-n-ah-d-ah
Year	apo	ah-VdPalatalNasal-oh
Name-Nominem	nombre	n-oh-m-b-er-ay
Tongue	lengwa	l-ay-nya-g-w-ah
ToDrink	beber	b-ay-b-ay-er
ToEat	komer	k-oh-m-ay-er
ToEat-Manducare	mandukar	m-ah-n-d-u-k-ah-er
ToBite	morðer	m-oh-er-dd-ay-er
ToBite-Morsicare	moskar	m-oh-s-k-ah-er
ToSpit-Exconspuere	eskupir	ay-s-k-u-p-e-er
ToSpit-Sputare	esputar	ay-s-p-u-t-ah-er
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
ToFear	temer	t-ay-m-ay-er
ToFear-Tremere	tremer	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

Appendix 4 - Word Lists by Language

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-j-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-Gyrare	xirar	xha-e-er-ah-er
ToTurnIntransitive-AncestralClass3	birar	b-e-er-ah-er
ToTurnIntransitive-Torquere	torθer	t-oh-er-th-ay-er
ToFall	kaer	k-ah-ay-er
ToFall-Tumbare	tumbar	t-u-m-b-ah-er
ToHold	tener	t-ay-n-ay-er
ToHold-Segurar	segurar	s-ay-g-u-er-ah-er
ToSqueeze	ekspremir	ay-k-s-p-er-ay-m-e-er
ToSqueeze-Serrere	serar	s-ay-r-ah-er
ToSqueeze-Serare	θerar	th-ay-r-ah-er
ToSqueeze-Appetorare	apretar	ah-p-er-ay-t-ah-er
ToSqueeze-Stringere	estrepir	ay-s-t-er-ay-VdPalatalNasal-e-er
ToRub	fregar	f-er-ay-g-ah-er
ToRub-Frictare	frotar	f-er-oh-t-ah-er
ToRub-Frictiare	frisar	f-r-e-s-ah-er
ToWash	laβar	l-ah-bb-ah-er
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	eθar	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

Appendix 4 - Word Lists by Language

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-Jiocare	xugar	xha-u-j-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
ToBurn-Cremare	kemar	k-ay-m-ah-er
ToBurn-Flammare	flamear	f-l-ah-m-ay-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	mutfo	m-u-ts-oh
Many-Tantus	tanto	t-ah-n-t-oh
Some	alguno	ah-l-j-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-j-oh
Long-Largum	laryo	l-ah-er-juh-oh
Wide	lato	l-ah-t-oh
Wide-Amplum	anfo	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
Heavy-Pesant	pesaθo	p-ay-s-ah-dd-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	estrefo	ay-s-t-er-ay-ts-oh
Thin	menudo	m-ay-n-u-d-oh
Thin-Delicatus	delyaθo	d-ay-l-juh-ah-dd-oh
Thin-Subtilis	sutil	s-u-t-e-l
Dry	seko	s-ay-k-oh
Right-Dextrem	djestro	d-jg-ay-s-t-er-oh
Right-Directus	derefo	d-ay-er-ay-ts-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

Appendix 4 - Word Lists by Language

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
And-Et	i	e

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	spoza	s-p-euh-zz-ah
Wife-Mulier	moʎʎe	m-oh-yuh-yuh-ay
Husband	marito	m-ah-r-e-t-oh
Husband-Sponsus	spo:zo	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
Louse	pidɔkkjo	p-e-d-euh-k-k-jg-oh
Snake	serpente	s-ay-r-p-ay-n-t-ay
Snake-Serpens	serpe	s-eh-r-p-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
Leaf	fɔʎʎa	f-euh-yuh-yuh-ah
Leaf-Frondea	frondza	f-r-oh-n-VdPalatoAlveolarAffricate-ah
Flower	fjo:re	f-jg-O-er-ay
Egg	wovo	w-euh-v-oh
Tail	koda	k-oh-d-ah
Feather	pjuma	p-jg-u-m-ah
Feather-Penna	penna	p-ay-n-n-ah
Hair	pelo	p-ay-l-oh
Hair-Capillus	kapello	k-ah-p-ay-l-l-oh
Head	kavettsa	k-ah-v-ay-t-t-s-ah
Head-Testa	testa	t-eh-s-t-ah
Ear	orekkja	oh-r-ay-k-k-jg-ah

Appendix 4 - Word Lists by Language

Eye	ɔkkjo	euh-k-k-jg-oh
Nose	na:so	n-A-s-oh
Nose-Nares	nariŋfe	n-ah-r-e-ts-ay
Mouth	bokka	b-oh-k-k-ah
Mouth-Gula	gola	j-oh-l-ah
Wing	ala	ah-l-ah
Neck	kollo	k-oh-l-l-oh
Back	dɔsso	d-euh-s-s-oh
Back-Spatula	spalla	s-p-ah-l-l-ah
Breast	seno	s-ay-n-oh
Breast-Pectus	petto	p-eh-t-t-oh
Heart	kwɔre	k-w-euh-r-ay
Heart-Anima	alma	ah-l-m-ah
Liver	fegato	f-ay-g-ah-t-oh
Sun	sole	s-oh-l-ay
Moon	luna	l-u-n-ah
Star	stella	s-t-ay-l-l-ah
Water	akkwa	ah-k-k-w-ah
Rain	pjoddʒa	p-jg-oh-d-VdPalatoAlveolarSibilant-ah
River	fjume	f-jg-u-m-ay
River-Rivus	rio	r-e-oh
Lake	laɔo	l-ah-g-oh
Sea	mare	m-ah-r-ay
Salt	sale	s-ah-l-ay
Earth	terra	t-eh-r-r-ah
Cloud	nube	n-u-b-ay
Cloud-Secondary	nuvola	n-u-v-oh-l-ah
Fog	kalidʒine	k-ah-l-e-VdPalatoAlveolarSibilant-e-n-ay
Fog-Nebula	nebbja	n-ay-b-b-jg-ah
Fog-Tenebrae	tɛ:nebre	t-Eh-n-ay-b-r-ay
Fog-Tenebras	tɛ:nebre	t-Eh-n-ay-b-r-ay
Fog-Fumata	fuma:ta	f-u-m-A-t-ah
Sky	ʃfelo	ts-eh-l-oh
Wind	vento	v-eh-n-t-oh
Ice	ɖʒelo	VdPalatoAlveolarSibilant-eh-l-oh
Smoke	fumo	f-u-m-oh
Fire-Focus	fwɔko	f-w-euh-k-oh
Ash	ʃfɛnere	ts-ay-n-ay-r-ay
Mountain	monte	m-oh-n-t-ay
Mountain-Montanea	montaɲpa	m-oh-n-t-ah-VdPalatalNasal-VdPalatalNasal-ah
Night	notte	n-euh-t-t-ay
Day	di	d-e
Day-Diurnus	ɖʒorno	VdPalatoAlveolarSibilant-oh-r-n-oh
Day-Diurnata	ɖʒornata	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	mɔrdere	m-euh-r-d-ay-r-ay
ToBite-Morsicare	morsikare	m-oh-r-s-c-k-ah-er-ay
ToSpit-Sputare	sputare	s-p-u-t-ah-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
ToFear	temere	t-ay-m-ay-r-ay

Appendix 4 - Word Lists by Language

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	uttfidere	u-t-ts-e-d-ay-er-ay
ToFight	pugnare	p-u-VdPalatalNasal-VdPalatalNasal-ah-r-ay
ToFight-Battuere	battere	b-ah-t-t-ay-r-ay
ToHunt-Captiare	kattfare	k-ah-t-ts-ah-r-ay
ToHit	pulsare	p-u-l-s-ah-r-ay
ToCut	segare	s-ay-j-ah-r-ay
ToCut-Excutare	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-ch-n-d-ay-r-ay
ToSplit-Partire	partire	p-ah-r-t-e-r-ay
ToSplit-Separare	separare	s-ay-p-ah-r-ah-r-ay
ToStab	pundzere	p-u-n-VdPalatoAlveolarSibilant-ay-r-ay
ToStab-Iugulare	jugula:re	jg-u-j-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	dʒaʎe:re	VdPalatoAlveolarSibilant-ah-ts-ai-er-ay
ToSit	sedere	s-ay-d-ay-r-ay
ToStand	stare	s-t-ah-r-ay
ToStand-Levare	levare	l-ay-v-ah-r-ay
ToStand-Altiare	altsare	ah-l-VlAlveolarSibilantAffricate-ah-r-ay
ToTurnIntransitive	tornare	t-oh-r-n-ah-r-ay
ToTurnIntransitive-Gyrare	dʒirare	VdPalatoAlveolarSibilant-e-r-ah-er-ay
ToTurnIntransitive-AncestralClass3	virare	v-e-r-ah-er-ay
ToTurnIntransitive-Torquere	torʎfere	t-euh-r-ts-ay-r-ay
ToFall	kadere	k-ah-d-ay-er-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-j-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	aʎʎugare	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

Appendix 4 - Word Lists by Language

ToThrow-Lanceare	lanʃare	l-ah-n-ts-ah-r-ay
ToThrow-Eruncare	arrontʃare	ah-r-r-oh-n-ts-ah-r-ay
ToTie	legare	l-ay-g-ah-r-ay
ToSew	kufʃare	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
ToSay	dire	d-e-r-ay
ToSay-Exponere	sporre	s-p-oh-r-r-ay
ToSing-AncestralClass	kantare	k-ah-n-t-ah-r-ay
ToPlay-Jiocare	dʒokare	VdPalatoAlveolarSibilant-oh-k-ah-r-ay
ToFloat	fluttuare	f-l-u-t-t-u-ah-r-ay
ToFloat-Fluitare	fluitare	f-l-u-e-t-ah-r-ay
ToFlow	fluire	f-l-u-e-r-ay
ToFlow-Colare	kolare	k-oh-l-ah-r-ay
ToFlow-Excurrere	skorrere	s-k-oh-r-r-ay-r-ay
ToFlow-Currere	korrere	k-oh-r-r-ay-r-ay
ToFreeze	dʒelare	VdPalatoAlveolarSibilant-ay-l-ah-r-ay
ToFreeze-Glaciare	gʒatʃʃare	g-jg-ah-t-ts-jg-ah-r-ay
ToBurn-Brojan	brutʃare	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	intʃendjare	e-n-ts-eh-n-d-jg-ah-r-ay
ToBurn-AncestralClass8	ustolare	u-s-t-oh-l-ah-r-ay
All	onʒi	oh-VdPalatalNasal-VdPalatalNasal-e
All-Totus	tutto	t-u-t-t-oh
Many	molto	m-oh-l-t-oh
Many-Tantus	tanto	t-ah-n-t-oh
Some	alkuno	ah-l-k-u-n-oh
Few	poko	p-euh-k-oh
Other	altro	ah-l-t-r-oh
Big	mappo	m-ah-VdPalatalNasal-VdPalatalNasal-oh
Big-Grandem	grande	g-r-ah-n-d-ay
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	grosso	j-r-euh-s-s-oh
Heavy	greve	g-r-eh-v-ay
Heavy-Lurdus	lordo	l-oh-r-d-oh
Heavy-Pesant	pesante	p-ay-s-ah-n-t-ay
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
Dry	sekko	s-ay-k-k-oh
Right-Dextrem	destro	d-eh-s-t-r-oh
Right-Directus	destra	d-eh-s-t-r-ah
Red	rosso	r-oh-s-s-oh

Appendix 4 - Word Lists by Language

Red-Vermiculus	vermiλλo	v-ay-r-m-e-yuh-yuh-oh
Red-Rubeus	rōbbjo	r-euh-b-b-jg-oh
Green	verde	v-ay-r-d-ay
Yellow-Croceus	kroʃeo	k-r-oh-ts-ay-oh
White	albo	ah-l-b-oh
One	uno	u-n-oh
Two-Duae	due	d-u-ay
Three	tre	t-r-ay
Four	kwattro	k-w-ah-t-t-r-oh
Five	ʃiŋkwe	ts-e-nya-k-w-ay
Here	kwi	k-w-e
There	la	l-ah
There-Ibi	vi	v-e
Who-Qui	ki	k-e
What	ke	k-ay
When-Quando	kwando	k-w-ah-n-d-oh
How-Quomodo	kome	k-oh-m-ay
Not	non	n-oh-n
Not-Nec	ne	n-ay
And-Et	e	ay

Brazilian Portuguese

Cognate	IPA	Sounds
I	ew	ay-w
We	nojs	n-euh-jg-s
YouPlural	vojs	v-euh-jg-s
YouSingular	tu	t-u
YouSingular-VostramMercedem	vose	v-oh-s-ay
Woman	femeɐ	f-ay-m-ay-ahh
Woman-Mulier	mulɐɾ	m-u-yuh-ay-rr
Woman-Domina	donɐ	d-oh-n-ahh
ManHumanBeing	omɛ̃j	oh-m-nasal_diphthong_portuguese1
Child	ifɛ̃ʃi	een-f-ahn-ts-e
Child-Ninnus	nenɛ̃j	n-ay-n-nasal_diphthong_portuguese1
Wife	ispoza	e-s-p-oh-zz-ah
Wife-Mulier	mulɐɾ	m-u-yuh-ay-rr
Husband	maridu	m-ah-er-e-d-u
Husband-Sponsus	ispozu	e-s-p-oh-zz-u
Mother	mɛ̃j	m-nasal_diphthong_portuguese2
Father	paj	p-aj_diphthong
Father-Tata	tata	t-ah-t-ah
Animal-Bestia	bifɐ	b-e-shh-ahh
Fish-Piskem	pejʃi	p-ej_diphthong-shh-e
Bird-Avem	avi	ah-v-e
Bird-Passerem	pasɐru	p-ah-s-ahh-er-u
Louse	pioʎu	p-e-oh-yuh-u
Snake	sɛkɾɛ̃ʃi	s-ay-rr-p-ehn-ts-e
Worm	veɾmi	v-ay-rr-m-e
Tree	akɔɾi	ah-rr-v-oh-er-e
Forest	sɛwva	s-eh-w-v-ah
Stick	paw	p-ah-w
Fruit	frutɐ	f-er-u-t-ahh
Leaf	foʎɐ	f-oh-yuh-ahh
Leaf-Frondea	frõsɐ	f-er-on-s-ahh
Flower	floɾ	f-l-oh-rr

Appendix 4 - Word Lists by Language

Egg	ovu	oh-v-u
Tail	kawðe	k-ah-w-d-ahh
Feather-Penna	penə	p-ay-n-ahh
Hair	pelu	p-ay-l-u
Hair-Capillus	kabelu	k-ah-b-ay-l-u
Head	kabese	k-ah-b-ay-s-ahh
Head-Testa	testə	t-eh-s-t-ahh
Ear	oreʎe	oh-er-ay-yuh-ahh
Eye	oʎu	oh-yuh-u
Nose-Nares	naris	n-ah-er-e-s
Mouth	bokə	b-oh-k-ahh
Wing	a	ah
Neck	kolu	k-euh-l-u
Back-Spatula	ifpadwə	e-shh-p-ah-d-w-ahh
Breast	seju	s-ej_diphthong-u
Breast-Pectus	pejtu	p-ej_diphthong-t-u
Heart	kɔɤ	k-euh-rr
Heart-Anima	awmə	ah-w-m-ahh
Liver	figədu	f-e-g-ahh-d-u
Sun	sow	s-euh-w
Moon	luə	l-u-ahh
Star	istreʎe	e-s-t-er-ay-l-ahh
Water	agwə	ah-g-w-ahh
Rain	ʃuve	shh-u-v-ahh
River	flumi	f-l-u-m-e
River-Rivus	xiw	rr-e-w
Lake	lagu	l-ah-g-u
Sea	maɤ	m-ah-rr
Salt	saw	s-ah-w
Earth	teɤe	t-ay-rr-ahh
Cloud	nuvẽj	n-u-v-nasal_diphthong_portuguese1
Cloud-Secondary	nubladu	n-u-b-l-ah-d-u
Fog	kaliʒẽj	k-ah-l-e-gzah-nasal_diphthong_portuguese1
Fog-Nebula	nevwe	n-eh-v-w-ahh
Fog-Fumata	fumasə	f-u-m-ah-s-ahh
Sky	sew	s-eh-w
Wind	vētu	v-ehn-t-u
Smoke	fumu	f-u-m-u
Fire-Focus	fogu	f-oh-g-u
Ash-Cinisia	sizɛʃ	s-een-zz-ahh-shh
Mountain	mõʃʃi	m-on-ts-e
Mountain-Montanea	mõtɛɲe	m-on-t-ahn-VdPalatalNasal-ahh
Night	nojti	n-oj_diphthong-t-eee
Day	diə	d-e-ahh
Day-Diurna	ʒɔɤna	gzah-euh-rr-n-ah
Year	enu	ahh-n-u
Name-Nomen	nomi	n-oh-m-e
Tongue	liɣwə	l-een-g-w-ahh
ToDrink	bebeɤ	b-ay-b-ay-rr
ToEat	kome	k-oh-m-ay
ToEat-Manducare	mẽʒaɤ	m-ahn-gzah-ah-rr
ToBite	moɤdeɤ	m-oh-rr-d-ay-rr
ToBite-Morsicare	musəga	m-u-s-aah-g-ah
ToSuck	sugaɤ	s-u-g-ah-rr
ToSpit	kuspik	k-u-s-p-e-rr
ToKnow-Sapere	sabeɤ	s-ah-b-ay-rr
ToKnow-Cognoscere	koɲeseɤ	k-oh-VdPalatalNasal-ay-s-ay-rr

Appendix 4 - Word Lists by Language

ToThink	kuzitaɤ	k-u-gzah-e-t-ah-rr
ToThink-Pensare	pɕsaɤ	p-chn-s-ah-rr
ToFear	temeɤ	t-ay-m-ay-rr
ToFear-Tremere	tremeɤ	t-er-ay-m-ay-rr
ToSleep	doɤmiɤ	d-oh-rr-m-e-rr
ToLive	viveɤ	v-e-v-ay-rr
ToDie	moɤeɤ	m-oh-rr-ay-rr
ToKill-Mactare	mataɤ	m-ah-t-ah-rr
ToFight-Battuer	bateɤ	b-ah-t-ay-rr
ToHunt-Captiare	kasɤ	k-ah-s-ah-rr
ToHit	puɤaɤ	p-u-shh-ah-rr
ToCut	segaɤ	s-ay-g-ah-rr
ToCut-Curtare	koɤtaɤ	k-oh-rr-t-ah-rr
ToCut-Taliare	taɤaɤ	t-ah-yuh-ah-rr
ToSplit	dʒividʒiɤ	VdPalatoAlveolarSibilant-e-v-e-VdPalatoAlveolarSibilant-e-rr
ToSplit-Findere	fɕdeɤ	f-chn-d-ay-rr
ToSplit-Partire	paɤtʃiɤ	p-ah-rr-ts-e-rr
ToSplit-Separare	separaɤ	s-ay-p-ah-er-ah-rr
ToStab	pɕziɤ	p-ooo-gzah-e-rr
ToScratch	ɤaɤeɤ	rr-ah-ay-rr
ToScratch-Rasare	ɤazaɤ	rr-ah-zz-ah-rr
ToScratch-Rasicare	ɤaɤkaɤ	rr-ah-shh-k-ah-rr
ToScratch-Coctiare	koɤaɤ	k-oh-s-ah-VdRetroflexApproximant
ToDig-Cavare	keɤvaɤ	k-ahh-v-ah-rr
ToDig-Excavare	iɤkeɤvaɤ	e-shh-k-ahh-v-ah-rr
ToSwim	nadaɤ	n-ah-d-ah-rr
ToSwim-Navigare	naviɤyaɤ	n-ah-v-eee-juh-ah-rr
ToFly	voaɤ	v-oh-ah-rr
ToWalk	keɤmiɤaɤ	k-ahh-m-e-VdPalatalNasal-ah-rr
ToWalk-Ambitare	ɕdaɤ	ahn-d-ah-rr
ToCome	viɤ	v-e-rr
ToLieAsInABed	istɕdeɤ	e-s-t-ehn-d-ay-rr
ToLieAsInABed-lacere	ʒeɤeɤ	gzah-ahh-zz-ay-rr
ToSit	seɤ	s-ay-rr
ToSit-Sedentare	sɕtaɤ	s-ehn-t-ah-er
ToStand	iɤtaɤ	eee-shh-t-ah-er
ToStand-Levare	levaɤ	l-ay-v-ah-rr
ToStand-Altiare	alsaɤ	ah-ssha-s-ah
ToTurnIntransitive	toɤnaɤ	t-oh-rr-n-ah-rr
ToTurnIntransitive-Gyrare	ʒiɤaɤ	gzah-e-er-ah-er
ToTurnIntransitive-AncestralClass3	viɤaɤ	v-e-er-ah-er
ToTurnIntransitive-Torquere	turser	t-u-r-s-ay-r
ToFall	keɤiɤ	k-ahh-e-er
ToFall-Tumbare	tɕbaɤ	t-on-b-ah-rr
ToHold	teɤ	t-ay-rr
ToHold-Segurar	siɤguraɤ	s-eee-g-u-er-ah-rr
ToSqueeze	iɤpɕmeɤeɤ	e-shh-p-r-aah-m-ay-rr
ToSqueeze-Serrere	seɤaɤ	s-ay-rr-ah
ToSqueeze-Serare	siɤaɤ	s-eee-rr-ah-er
ToSqueeze-Appetorare	eɤpiɤtaɤ	ahh-p-eee-er-t-ah-er
ToSqueeze-Stringere	ɕʃtriɤʒiɤ	aah-shh-t-r-een-gzah-e-r
ToRub-Exfricare	iɤfɕriɤgaɤ	eee-shh-f-er-eee-g-ah-er
ToWash	leɤvaɤ	l-ahh-v-ah-er
ToWipe-Exsucare	ɕʃuɤgaɤ	ehn-shh-u-g-ah-er
ToWipe-Limpidare	liɤpaɤ	l-een-p-ah-er
ToPull	tʃiɤaɤ	ts-e-er-ah
ToPull-Pulsare	puɤaɤ	p-u-shh-ah-er

Appendix 4 - Word Lists by Language

ToPull-Trahere	traze	t-er-ah-zz-ay
ToThrow	zejtar	gzah-ej_diphthong-t-ah-er
ToThrow-Lanceare	lesa	l-ahn-s-ah
ToTie-Aptare	etar	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	zogax	gzah-oh-g-ah-rr
ToFloat	flutuax	f-l-u-t-u-ah-rr
ToFlow	flwig	f-l-w-e-rr
ToFlow-Colare	koax	k-oh-ah-rr
ToFlow-Excurrere	ijkoex	e-shh-k-oh-rr-ay-rr
ToFlow-Currere	koex	k-oh-rr-ay-rr
ToFreeze	zilar	gzah-eee-l-ah-er
ToBurn-Cremare	kejmare	k-diphthong_portuguese-m-ah-er-ay
ToBurn-Ardere	axdex	ah-rr-d-ay-rr
ToBurn-Flagrare	flagxax	f-l-ah-j-rr-ah-rr
ToBurn-Incendere	isendziar	een-s-ay-n-VdPalatoAlveolarSibilant - NearCloseFrontUnrounded-ah-er
All-Totus	todu	t-oh-d-u
Many	mũjtu	m-ooo-jn-t-u
Many-Tantus	tetu	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	grēdzi	g-er-ahn-VdPalatoAlveolarSibilant-e
Long-Longum	lōgu	l-on-g-u
Long-Largum	laugu	l-ah-rr-g-u
Wide	latu	l-ah-t-u
Wide-Amplum	ēfu	ahn-shh-u
Thick-Spissum	espesu	ay-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
Heavy-Pesant	pezadu	p-ay-zz-ah-d-u
Small-Pittinus	pekenu	p-ay-k-ay-n-u
Short	kugtu	k-u-rr-t-u
Short-Brevis	brēvi	b-er-eh-v-e
Narrow-Strictus	istrejtu	e-s-t-er-ej_diphthong-t-u
Thin	miudu	m-e-u-d-u
Thin-Delicatus	dewgadu	d-ay-w-g-ah-d-u
Thin-Subtilis	suffiw	s-u-ts-e-w
Dry	seku	s-ay-k-u
Right-Dextrem	destru	d-eh-s-t-er-u
Right-Directus	direjte	d-e-er-diphthong_portuguese-t-ahh
Red	rofo	rr-oh-shh-NearCloseBackRounded
Red-Vermiculus	vermeļu	v-ay-rr-m-ay-yuh-u
Red-Rubeus	rubeo	r-u-b-ay-oh
Green	verdi	v-ay-er-d-eee
Yellow-Amarellus	emarelu	ahh-m-ah-er-eh-l-u
White	awvu	ah-w-v-u
One	ũ	ooo
Two-Duos	dojs	d-oj_diphthong-s
Two-Duas	dues	d-u-ahh-s

Appendix 4 - Word Lists by Language

Three	tres	t-er-ay-s
Four	kwatru	k-w-ah-t-er-u
Five	siku	s-een-k-u
Here	aki	ah-k-e
There	la	l-ah
There-Adlbi	ai	ah-e
Who-Quem	kěj	k-nasal_diphthong_portuguese1
What	ki	k-e
When-Quando	kwědu	k-w-ahn-d-u
How-Quomodo	komu	k-oh-m-u
Not	něw	n-au_diphthong_nasal
Not-Nec	něj	n-nasal_diphthong_portuguese1
And-Et	i	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	femjə	f-ay-m-jg-ahh
Woman-Mulier	mulɐr	m-u-yuh-ay-er
Woman-Domina	donɐ	d-oh-n-ahh
ManHumanBeing	ɔměj	euh-m-nasal_diphthong_portuguese1
Child	ĩfeti	een-f-ahn-t-eee
Child-Ninnus	neněj	n-ay-n-nasal_diphthong_portuguese1
Wife	ifpozɐ	eee-shh-p-oh-zz-ahh
Wife-Mulier	mulɐr	m-u-yuh-ay-er
Husband	mɐriðu	m-ahh-er-e-dd-u
Husband-Sponsus	ifpozu	eee-shh-p-oh-zz-u
Mother	měj	m-nasal_diphthong_portuguese2
Father	paj	p-aj_diphthong
Father-Tata	tata	t-ah-t-ah
Animal-Bestia	bijɐ	b-e-shh-ahh
Fish-Piskem	pɛjfi	p-diphthong_portuguese-shh-eee
Bird-Avem	avi	ah-v-eee
Bird-Passerem	pasɐru	p-ah-s-ahh-er-u
Louse	pioʎu	p-e-oh-yuh-u
Snake	sirpɛti	s-eee-er-p-ehn-t-eee
Worm	vermi	v-ay-er-m-eee
Tree	arvuri	ah-er-v-u-er-eee
Forest	sɛlvɐ	s-eh-ssha-v-ahh
Stick	paw	p-ah-w
Fruit	frutɐ	f-er-u-t-ahh
Leaf	foʎɐ	f-oh-yuh-ahh
Leaf-Frondea	frõse	f-er-on-s-ahh
Flower	flor	f-l-oh-er
Egg	ovu	oh-v-u
Tail	kawdɐ	k-ah-w-d-ahh
Feather-Penna	pɛnɐ	p-ay-n-ahh
Hair	pilu	p-eee-l-u
Hair-Capillus	kɐβelu	k-ahh-bb-ay-l-u
Head	kɐβesɐ	k-ahh-bb-ay-s-ahh
Head-Testa	tɛjtɐ	t-eh-shh-t-ahh

Appendix 4 - Word Lists by Language

Ear	orejã	oh-er-diphthong_portuguese-yuh-ahh
Eye	ołu	oh-yuh-u
Nose-Nares	nɛrɪf	n-ahh-er-e-shh
Mouth	boke	b-oh-k-ahh
Wing	a	ah
Neck	kolu	k-euh-l-u
Back-Spatula	ɪʃpadwɐ	e-shh-p-ah-d-w-ahh
Breast	sɛju	s-diphthong_portuguese-u
Breast-Pectus	pɛjtu	p-diphthong_portuguese-t-u
Heart	kor	k-oh-er
Heart-Anima	almɐ	ah-l-m-ahh
Liver	fiyɐðu	f-e-juh-ahh-dd-u
Sun	sɔɫ	s-euh-ssha
Moon	luɐ	l-u-ahh
Star	ɪʃtreɫɐ	eee-shh-t-er-ay-l-ahh
Water	agwɐ	ah-g-w-ahh
Rain	ʃuvɐ	shh-u-v-ahh
River	flumi	f-l-u-m-eee
River-Rivus	ɾiu	rr-e-u
Lake	layu	l-ah-juh-u
Sea	mar	m-ah-er
Salt	sal	s-ah-l
Earth	tɛkɐ	t-eh-rr-ahh
Cloud	nuvɛ̃j	n-u-v-nasal_diphthong_portuguese2
Cloud-Secondary	nubladu	n-u-b-l-ah-d-u
Fog	kɛliʒɛ̃j	k-ahh-l-e-gzah-nasal_diphthong_portuguese2
Fog-Nebula	nɛvwɐ	n-eh-v-w-ahh
Fog-Tenebras	trɛvɛʃ	t-er-eh-v-ahh-shh
Fog-Fumata	fumasɐ	f-u-m-ah-s-ahh
Sky	sɛw	s-eh-w
Wind	vɛtu	v-ehn-t-u
Smoke	fumu	f-u-m-u
Fire-Focus	foɣu	f-oh-juh-u
Ash-Cinisia	sɪzɛʃ	s-eeen-zz-ahh-shh
Mountain	mõti	m-on-t-eee
Mountain-Montanea	mõtɛɲɐ	m-on-t-ahh-VdPalatalNasal-ahh
Night	noʃti	n-oj_diphthong-t-eee
Day	diɐ	d-e-ahh
Day-Diurna	ʒɔɲna	gzah-euh-rr-n-ah
Year	ɛnu	ahh-n-u
Name-Nomen	nomi	n-oh-m-eee
Tongue	liɣwɐ	l-eeen-g-w-ahh
ToDrink	biʃɛr	b-eee-bb-ay-er
ToEat	kumer	k-u-m-ay-er
ToEat-Manducare	mɛ̃zar	m-ahn-gzah-ah-er
ToBite	murðɛr	m-u-er-dd-ay-er
ToBite-Morsicare	musəɣar	m-u-s-aah-g-ah-r
ToSuck	sugar	s-u-g-ah-er
ToSpit	kufpir	k-u-shh-p-e-er
ToKnow-Sapere	sɛbɛr	s-ahh-b-ay-er
ToKnow-Cognoscere	kupiser	k-u-VdPalatalNasal-eee-s-ay-er
ToThink	kuzitar	k-u-gzah-e-t-ah-er
ToThink-Pensare	pɛsar	p-ehn-s-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

Appendix 4 - Word Lists by Language

ToDie	muxer	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	puſar	p-u-shh-ah-er
ToCut	siyar	s-eee-juh-ah-er
ToCut-Curtare	kurtar	k-u-er-t-ah-er
ToCut-Taliare	teſar	t-ahh-yuh-ah-er
ToSplit	diviðir	d-e-v-e-dd-e-er
ToSplit-Findere	fēder	f-ehn-d-ay-er
ToSplit-Partire	pørtir	p-ahh-er-t-e-er
ToSplit-Separare	sipærar	s-eee-p-ahh-er-ah-er
ToStab	pūzir	p-ooo-gzah-e-er
ToScratch	kvær	rr-ahh-ay-er
ToScratch-Rasare	kvæzar	rr-ahh-zz-ah-er
ToScratch-Rasicare	kvæjkar	rr-ahh-shh-k-ah-er
ToScratch-Coctiare	kusar	k-u-s-ah-er
ToDig-Cavare	kevar	k-ahh-v-ah-er
ToDig-Excavare	ijkevar	e-shh-k-ahh-v-ah-er
ToSwim	neðar	n-ahh-dd-ah-er
ToSwim-Navigare	neviyar	n-ahh-v-eee-juh-ah-er
ToFly	vwar	v-w-ah-er
ToWalk	kemjnar	k-ahh-m-e-VdPalatalNasal-ah-er
ToWalk-Ambitare	ēdar	ahn-d-ah-er
ToCome	vir	v-e-er
ToLieAsInABed	ijfēder	e-shh-t-ehn-d-ay-er
ToLieAsInABed-lacere	zæzer	gzah-ahh-zz-ay-er
ToSit	ser	s-ay-er
ToSit-Sedentare	sētar	s-ehn-t-ah-er
ToStand	ijtar	eee-shh-t-ah-er
ToStand-Levare	livar	l-eee-v-ah-er
ToStand-Altiare	aſsar	ah-ssha-s-ah-er
ToTurnIntransitive	turnar	t-u-er-n-ah-er
ToTurnIntransitive-Gyrate	zifar	gzah-e-er-ah-er
ToTurnIntransitive-AncestralClass3	zifar	gzah-e-er-ah-er
ToTurnIntransitive-Torqueare	turser	t-u-r-s-ay-r
ToFall	keir	k-ahh-e-er
ToFall-Tumbare	tōbar	t-on-b-ah-er
ToHold	ter	t-ay-er
ToHold-Segurar	siyurar	s-eee-juh-u-er-ah-er
ToSqueeze	ijpræmer	e-shh-p-r-aah-m-ay-r
ToSqueeze-Serrere	særar	s-aah-VIUvularTrill-ah-er
ToSqueeze-Serare	sifar	s-eee-rr-ah-er
ToSqueeze-Appetorare	epirtar	ahh-p-eee-er-t-ah-er
ToSqueeze-Stringere	əſtrīzir	aah-shh-t-r-een-gzah-e-r
ToRub-Exfricare	ijfriyar	eee-shh-f-er-eee-juh-ah-er
ToWash	lavar	l-ahh-v-ah-er
ToWipe-Exsucare	ēſuyar	ehn-shh-u-juh-ah-er
ToWipe-Limpidare	lipar	l-een-p-ah-er
ToPull	tirar	t-e-er-ah-er
ToPull-Pulsare	puſar	p-u-shh-ah-er
ToPull-Trahere	træzer	t-er-ahh-zz-ay-er
ToThrow	zejtar	gzah-ej_diphthong-t-ah-er
ToThrow-Lanceare	læsar	l-ahn-s-ah-er
ToTie-Aptare	etar	ahh-t-ah-er
ToSew	kuzer	k-u-zz-ay-er
ToCount	kōtar	k-on-t-ah-er

Appendix 4 - Word Lists by Language

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	kuxer	k-u-rr-ay-er
ToFreeze	zilar	gzah-eee-l-ah-er
ToBurn-Cremare	kejmake	k-ej_diphthong-m-ah-rr-ay
ToBurn-Ardere	erder	ahh-er-d-ay-er
ToBurn-Flagrare	flagrar	f-l-ah-g-er-ah-er
ToBurn-Incendere	īsēdjar	een-s-chn-d-jg-ah-er
All-Totus	toðu	t-oh-dd-u
Many	mūjtu	m-ooo-jn-t-u
Many-Tantus	tētū	t-ahn-t-u
Some	atgū	ah-ssha-g-ooo
Few	powku	p-oh-w-k-u
Other	owtru	oh-w-t-er-u
Other-Alius	at	ah-ssha
Big-Grandem	grēdi	g-er-ahn-d-eee
Long-Longum	lōgu	l-on-g-u
Long-Largum	largu	l-ah-er-g-u
Wide	latu	l-ah-t-u
Wide-Amplum	ēfu	ahn-shh-u
Thick	grafu	g-er-ah-shh-u
Thick-Spissum	ifpesu	e-shh-p-ay-s-u
Thick-Grossum	grosu	j-er-oh-s-u
Heavy	gravi	g-er-ah-v-eee
Heavy-Lurdus	lerdo	l-ay-er-d-oh
Heavy-Pesant	pizaðu	p-eee-zz-ah-dd-u
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	iftrejtu	eee-shh-t-er-diphthong_portuguese-t-u
Thin	miuðu	m-e-u-dd-u
Thin-Delicatus	deŷaðu	d-eh-ssha-juh-ah-dd-u
Thin-Subtilis	sufiw	s-u-ts-e-w
Dry	seku	s-ay-k-u
Right-Dextrem	deŷtru	d-eh-shh-t-er-u
Right-Directus	direjtē	d-e-r-diphthong_portuguese-t-ahh
Red	rofu	rr-oh-shh-u
Red-Vermiculus	vicmējlu	v-eee-er-m-diphthong_portuguese-yuh-u
Red-Rubeus	rubeo	r-u-b-ay-oh
Green	verdi	v-ay-er-d-eee
Yellow-Amarellus	emereŷlu	ahh-m-ahh-er-eh-l-u
White	alvu	ah-l-v-u
One	ū	ooo
Two-Duos	dojŷ	d-oj_diphthong-shh
Two-Duas	duēŷ	d-u-ahh-shh
Three	trejŷ	t-er-ay-shh
Four	kwatru	k-w-ah-t-er-u
Five	siku	s-een-k-u
Here	eki	ahh-k-e
There	la	l-ah
There-Adlbi	ei	ahh-e

Appendix 4 - Word Lists by Language

Who-Quem	kɐj	k-nasal_diphthong_portuguese2
What	ki	k-eee
When-Quando	kwẽdu	k-w-ahn-d-u
How-Quomodo	komu	k-oh-m-u
Not	nẽw	n-au_diphthong_nasal
Not-Nec	nɐj	n-nasal_diphthong_portuguese2
And-Et	i	e

Catalan

Cognate	IPA	Sounds
I	ʒo	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	əspɔzə	aah-s-p-euh-zz-aah
Wife-Mulier	muʎe	m-u-yuh-ay
Husband	marit	m-ah-er-e-t
Husband-Sponsus	əspɔs	aah-s-p-euh-s
Mother	marə	m-ah-er-aah
Father	parə	p-ah-er-aah
Fish-Piskem	peʃ	p-ay-shh
Bird-Avem	aw	ah-w
Bird-Avicellum	useʎ	u-s-ay-yuh
Louse	poʎ	p-oh-yuh
Snake	sərpen	s-aah-r-p-ay-n
Snake-Serpens	serp	s-ay-er-p
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
Leaf	fuʎə	f-u-yuh-aah
Flower	flə	f-l-euh
Egg	ɔw	euh-w
Tail	kua	k-u-ah
Feather	plomə	p-l-oh-m-aah
Feather-Penna	pɛpə	p-eh-VdPalatalNasal-aah
Hair	pɛl	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	urɛʎə	u-er-eh-yuh-aah
Nose	nas	n-ah-s
Nose-Nares	na:ris	n-A-r-NearCloseFrontUnrounded-s
Mouth	bokə	b-oh-k-aah
Mouth-Gula	golə	j-oh-l-aah
Wing	alə	ah-l-aah
Neck	kɔʎ	k-euh-yuh
Back	dos	d-oh-s
Back-Spatula	əspaʎʎə	aah-s-p-ah-yuh-yuh-aah

Appendix 4 - Word Lists by Language

Breast	si	s-e
Breast-Pectus	pit	p-e-t
Heart	kər	k-euh-r
Liver	fedʒə	f-ay-VdPalatoAlveolarSibilant-aah
Sun	səl	s-euh-l
Moon	ʎunə	yuh-u-n-aah
Star	əstɛl	aah-s-t-eh-l
Water	ajɣwə	aj_diphthong-juh-w-aah
Rain	pluʒə	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
Earth	tɛrə	t-eh-r-aah
Cloud-Secondary	nuβuʎ	n-u-bb-u-ssha
Fog-Nebula	newlə	n-ay-w-l-aah
Fog-Tenebras	tənebrəs	t-aah-n-ay-b-er-aah-s
Sky	sɛl	s-eh-l
Wind	ben	b-ay-n
Ice	ʒɛʎ	gzah-eh-ssha
Smoke	fum	f-u-m
Fire-Focus	fək	f-euh-k
Ash	sendrə	s-eh-n-d-r-aah
Mountain	mun	m-u-n
Mountain-Montanea	muntəpə	m-u-n-t-ah-VdPalatalNasal-aah
Night	nit	n-e-t
Day	diə	d-e-aah
Day-Diurnus	ʒorn	gzah-oh-er-n
Year	ən	ah-VdPalatalNasal
Name-Nomen	nəm	n-euh-m
ToDrink	bɛwɾə	b-eh-w-er-aah
ToEat-Manducare	məɾʒa	m-aah-VdPalatalNasal-gzah-ah
ToBite-Morsicare	musəɣa	m-u-s-aah-juh-ah
ToSpit-Exconspuere	əskupi	aah-s-k-u-p-e
ToKnow-Sapere	səβɛ	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
ToFear	tɛmə	t-ay-m-aah
ToSleep	durmi	d-u-r-m-e
ToLive	biwɾə	b-e-w-er-aah
ToDie	muri	m-u-er-e
ToKill	nəga	n-aah-g-ah
ToKill-Mactare	məta	m-aah-t-ah
ToKill-Occidere	uksi	u-k-s-e
ToFight	pupə	p-u-VdPalatalNasal-ah
ToFight-Battuere	batrə	b-ah-t-er-aah
ToHunt-Captiare	kəsa	k-aah-s-ah
ToCut	səɣa	s-aah-juh-ah
ToCut-Taliare	təʎa	t-aah-yuh-ah
ToSplit	dibidi	d-e-b-e-d-e
ToSplit-Findere	fendrə	f-eh-n-d-er-aah
ToSplit-Partire	pərti	p-aah-r-t-e
ToSplit-Separare	səpəra	s-aah-p-aah-er-ah
ToStab	pupni	p-u-VdPalatalNasal-e
ToScratch	rawɾə	r-ah-w-er-aah
ToScratch-Rasare	rəza	r-aah-zz-ah

Appendix 4 - Word Lists by Language

ToScratch-Rasicare	raska	r-aah-s-k-ah
ToDig-Cavare	kaba	k-aah-b-ah
ToSwim	nada	n-aah-d-ah
ToSwim-Navigare	nabaga	n-aah-b-aah-g-ah
ToFly	bula	b-u-l-ah
ToWalk	kamina	k-aah-m-e-n-ah
ToCome	bani	b-aah-n-e
ToLieAsInABed	aetendra	aah-s-t-ay-n-d-er-aah
ToLieAsInABed-lacere	zawra	gzah-ah-w-er-aah
ToStand	asta	aah-s-t-ah
ToStand-Levare	laba	yuh-aah-b-ah
ToStand-Altiare	alsa	aah-l-s-ah
ToTurnIntransitive	turna	t-u-r-n-ah
ToTurnIntransitive-Gyrare	zira	gzah-e-er-ah
ToTurnIntransitive-AncestralClass3	bira	b-e-er-ah
ToTurnIntransitive-Torquere	tarsa	t-euh-r-s-aah
ToFall	kawra	k-ah-w-r-aah
ToFall-Tumbare	tumba	t-u-m-b-ah
ToHold	tani	t-aah-n-e
ToSqueeze	asprema	aah-s-p-er-ay-m-aah
ToSqueeze-Serrere	sara	s-aah-r-ah
ToSqueeze-Stringere	aetrena	aah-s-t-er-eh-VdPalatalNasal-aah
ToRub	fraga	f-er-aah-g-ah
ToRub-Frictiare	frasa	f-er-aah-s-ah
ToWash	laba	yuh-aah-b-ah
ToWipe-Extergere	aetarzi	aah-s-t-aah-r-gzah-e
ToWipe-Exsucare	afuga	aah-shh-u-g-ah
ToPull	tira	t-e-er-ah
ToPull-Trahere	trewra	t-er-eh-w-er-aah
ToPush	ampepa	aah-m-p-eh-VdPalatalNasal-aah
ToThrow	xita	xha-e-t-ah
ToThrow-Lanceare	lansa	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
ToSay	di	d-e
ToSing-AncestralClass	kanta	k-aah-n-t-ah
ToPlay-Jiocare	zuga	gzah-u-g-ah
ToFloat	fluktua	f-l-u-k-t-u-ah
ToFlow	flui	f-l-u-e
ToFlow-Colare	kula	k-u-ssha-ah
ToFlow-Excurrere	askora	aah-s-k-oh-r-aah
ToFlow-Currere	kora	k-oh-r-aah
ToFreeze	zola	gzah-aah-l-ah
ToFreeze-Glaciare	glasa	g-l-aah-s-ah
ToBurn-Cremare	krama	k-r-aah-m-ah
ToBurn-Flammare	flama	f-ssha-ah-m-ah
ToBurn-Incendere	aensendra	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	algu	aah-l-g-u
Few	pok	p-euh-k
Other	altra	ah-l-t-er-aah
Big-Grandem	gran	j-r-ah-n
Long-Longum	lonj	yuh-oh-nya

Appendix 4 - Word Lists by Language

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
Heavy-Pesant	pəzat	p-aah-zz-ah-t
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	mənut	m-aah-n-u-t
Thin-Delicatus	dəlikat	d-aah-l-e-k-ah-t
Thin-Subtilis	suptil	s-u-p-t-e-l
Dry	sek	s-eh-k
Right-Dextrem	destrə	d-ay-s-t-er-aah
Right-Directus	drət	d-er-eh-t
Red	ros	r-oh-s
Red-Vermiculus	bərmɛʎ	b-aah-r-m-eh-yuh
Red-Rubeus	rudʒe	r-u-VdPalatoAlveolarSibilant-ay
Green	vɛrt	v-eh-er-t
Yellow-Croceus	grək	j-er-euh-k
White	alb	ah-l-b
One	un	u-n
Two-Duos	dos	d-oh-s
Three	trəs	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
And-Et	i	e

Walloon

Cognate	IPA	Sounds
I	dʒɪ	VdPalatoAlveolarSibilant-NearCloseFrontUnrounded
We	no	n-oh
YouPlural	vos	v-oh-s
YouSingular	ty	t-eeh
Woman	fœm	f-OpenMidNearFrontRounded-m
Woman-Domina	dœm	d-OpenMidNearFrontRounded-m
ManHumanBeing	ɔm	euh-m
Child	ɛfɑ	eh-f-NasalA
Mother	mer	m-ay-VIUvularTrill
Father	pɛ:r	p-Eh-r
Fish-Pescion	pehð	p-eh-h-on
Bird-Avicellum	u:he:	U-h-Eh
Louse	pju	p-jg-u
Snake	sjɛpɛ	s-jg-eh-rr-p-chn
Worm	vjer	v-jg-eh-VIUvularTrill

Appendix 4 - Word Lists by Language

Tree	o:b	O-b
Fruit	fɾy	f-VIUvularTrill-eeh
Leaf	fɔj	f-euh-jg
Flower	flø:ɾ	f-l-o-rr
Egg	u:	U
Tail	kɔw	k-euh-w
Feather	plɔm	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_diphthong
Eye	u:j	U-jg
Nose	ne	n-ay
Mouth	bɔk	b-euh-k
Mouth-Gula	gø:j	g-o-jg
Wing	el	ay-l
Back	dɔ	d-euh
Back-Spatula	spal	s-p-ah-l
Heart	ku:ɾ	k-U-rr
Heart-Anima	ɔ:m	LongOpenMidBackRounded-m
Liver	fø:t	f-o-t
Sun	sɔlɔ	s-euh-l-euh
Moon	løn	l-uu-n
Star	stø:l	s-t-o-l
Water	ɛ:w	Eh-w
Rain	plu:ɾ	p-l-U-rr
River-Riparia	rivi:ɾ	r-e-v-E-rr
Lake	lak	l-ah-k
Sea	meɾ	m-ay-rr
Salt	se	s-ay
Earth	tɛ:ɾ	t-Eh-rr
Sky	si:ɾ	s-E-rr
Wind	vẽ	v-ehn
Fire-Focus	fø:	f-o
Ash	sẽ:d	s-LongNasalE-d
Mountain-Montanea	mõtəp	m-on-t-ah-VdPalatalNasal
Night	nyt	n-eeh-t
Day	dʒu:	VdPalatoAlveolarSibilant-U
Day-Diurnus	dʒu:	VdPalatoAlveolarSibilant-U
Year	ã	NasalA
Name-Nomen	nõ	n-on
Tongue	lẽu	l-eu_nasalized_diphthong
ToDrink	bø:ɾ	b-o-rr
ToEat-Manducare	mapi:	m-ah-VdPalatalNasal-E
ToSuck	sysi:	s-eeh-s-E
ToKnow-Sapere	savø:ɾ	s-ah-v-o-VIUvularTrill
ToKnow-Cognoscere	kinɔh	k-e-n-euh-h
ToThink-Pensare	pẽse	p-ehnn-s-ay
ToSleep	dwaɾmi	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	ʃesi:	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
ToDig-Cavare	çɑ:vle	sh-aay-v-l-ay

Appendix 4 - Word Lists by Language

ToSwim-Navigare	nɛdʒi:	n-eh-VdPalatoAlveolarSibilant-E
ToFly	vole	v-euh-l-ay
ToWalk	ʃimine	ts-e-m-e-n-ay
ToWalk-Marcher	ma:Rʃi:	m-A-VIUvularTrill-ts-E
ToCome	vini	v-e-n-e
ToLieAsInABed-lacere	dʒere	VdPalatoAlveolarSibilant-ay-r-ay
ToStand	ɛs	ch-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	viʁe	v-e-rr-ay
ToFall	ʃɛ:R	ts-Eh-VIUvularTrill
ToFall-Tumbare	tume	t-u-m-ay
ToHold	tini	t-e-n-e
ToSqueeze-Serare	sɛre	s-ch-VIUvularTrill-ay
ToSqueeze-Stringere	stringe	s-t-r-e-n-j-ay
ToRub	froj	f-r-oj_diphthong
ToRub-Frictare	fʁote	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	loji:	l-euh-jg-E
ToSew	kø:z	k-o-zz
ToCount	kôte	k-on-t-ay
ToSay	di:ʁ	d-E-rr
ToSing-AncestralClass	ʃâte	ts-NasalA-t-ay
ToPlay-Jiocare	dʒuwe	VdPalatoAlveolarSibilant-u-w-ay
ToFlow-Colare	kole	k-euh-l-ay
ToFreeze	dʒale	VdPalatoAlveolarSibilant-ah-l-ay
ToBurn-Brojan	bʁu:le	b-rr-U-l-ay
All-Totus	tɔ	t-euh
Few	pô	p-on
Other	ôt	on-t
Big-Grandem	gʁã	j-rr-NasalA
Long-Longum	lô	l-on
Thick-Spissum	spe	s-p-eh
Heavy	grav	j-r-ah-v
Small	piti	p-e-t-e
Short	ku:ʁ	k-U-rr
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
Dry	seʃ	s-ch-ts
Right-Directus	drø:t	d-r-o-t
Red-Rubeus	rɔʃ	r-euh-ts
Green	vɛʁ	v-eh-rr
Yellow	dʒɛn	VdPalatoAlveolarSibilant-eh-n
One	ô	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

Appendix 4 - Word Lists by Language

Who-Qui	ki:	k-E
What	kwɛ:	k-w-Eh
When-Quando	kwand	k-w-ah-n-d
How-Quomodo	kɔmẽ	k-euh-m-ehnn
Not-Nec	nẽ	n-ehn
And-Et	ɛ	eh

Friulian

Cognate	IPA	Sounds
I	jo	jg-oh
We	no:	n-O
YouPlural	vo:	v-O
YouSingular	tu	t-u
Woman	femine	f-ch-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
Bird-Avicellum	ufjɛl	u-ts-jg-eh-l
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
Leaf	fwec	f-w-ay-ay
Flower	flo:r	f-l-O-r
Egg	u:f	U-f
Tail	kɔdɛ	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-ej_diphthong
Head	ca:f	tya-A-f
Head-Testa	tɛstɛ	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	bɔcɛ	b-euh-tya-eh
Mouth-Gula	gole	j-euh-l-ay
Wing	ale	ah-l-ay
Neck	kwɛl	k-w-eh-l
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

Appendix 4 - Word Lists by Language

Liver	fija:t	f-e-jg-A-t
Sun-Soliculus	soreli	s-oh-r-ay-l-e
Moon	lune	l-u-n-ay
Star	stɛle	s-t-eh-l-ay
Water	age	ah-j-ay
Rain	ploje	p-l-oh-jg-ay
River	flum	f-l-u-m
Lake	la:t	l-A-t
Sea	ma:r	m-A-r
Salt	sa:l	s-A-l
Earth	tjere	t-jg-eh-r-ay
Cloud-Secondary	nu:l	n-U-l
Fog-Fumata	fumate	f-u-m-ah-t-ay
Sky	ʃi:l	ts-E-l
Wind	'vint	v-e-n-t
Smoke	fum	f-u-m
Fire-Focus	fu:k	f-U-k
Ash-Cinisia	ʃinize	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	noŋ	n-euh-nya
Tongue	'lengɛ	l-eh-n-j-eh
ToDrink	bevi	b-ay-v-e
ToEat-Manducare	maŋja:	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
ToKnow-Sapere	save:	s-ah-v-ai
ToKnow-Cognoscere	koŋosi	k-oh-VdPalatalNasal-oh-s-e
ToThink-Pensare	peŋsa:	p-ay-nya-s-A
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
ToSwim	nada:	n-ah-d-A
ToSwim-Navigare	naviga:	n-ah-v-e-j-A
ToFly-Exvolare	zvola:	zz-v-oh-l-A
ToWalk	camina:	tya-ah-m-e-n-A

Appendix 4 - Word Lists by Language

ToCome	viji:	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	altʃa:	ah-l-t-shh-A
ToTurnIntransitive	torna:	t-oh-r-n-A
ToTurnIntransitive-Gyrare	dʒira:	VdPalatoAlveolarSibilant-e-r-A
ToTurnIntransitive-AncestralClass3	dʒira:	VdPalatoAlveolarSibilant-e-r-A
ToFall	tʃjade	ts-jg-ah-d-ay
ToHold	tinji	t-e-n-jg-e
ToSqueeze	esprimi	ay-s-p-r-e-m-e
ToSqueeze-Stringere	strengi:	s-t-r-eh-n-j-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_diphthong
ToThrow-Lanceare	lanʃa:	l-ah-n-ts-A
ToTie	lea:	l-ay-A
ToSew	kuzi	k-u-zz-e
ToCount	konta:	k-oh-n-t-A
ToSay	di:	d-E
ToSing-AncestralClass	canta:	tya-ah-n-t-A
ToPlay-Jiocare	dʒuja:	VdPalatoAlveolarSibilant-u-jg-A
ToFlow-Excurrere	skori:	s-k-oh-r-E
ToFlow-Currere	kori	k-oh-r-e
ToFreeze-Glaciare	glatʃa:	j-l-ah-ts-A
ToBurn-Brojan	bruza:	b-r-u-zz-A
All-Totus	dut	d-u-t
Many	molc	m-oh-l-tya
Many-Tantus	tanc	t-ah-n-tya
Few	po:k	p-O-k
Other	altri	ah-l-t-r-e
Big-Grandem	grant	j-r-ah-n-t
Long-Longum	lunk	l-u-n-k
Long-Largum	lark	l-ah-r-k
Thick	gras	j-r-ah-s
Thick-Grossum	grwəs	j-r-w-eh-s
Heavy	grəvi	j-r-eh-v-e
Heavy-Pesant	pezant	p-ay-zz-ah-n-t
Small-Pitulus	piʃful	p-e-ts-u-l
Short	kurt	k-u-r-t
Narrow-Strictus	stret	s-t-r-eh-t
Thin	minu:t	m-e-n-U-t
Thin-Subtilis	suti:l	s-u-t-E-l
Dry	sek	s-eh-k
Right-Directus	'dret	d-r-eh-t
Red	ros	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	'ʃiŋk	ts-e-nya-k
Here	aki	ah-k-e

Appendix 4 - Word Lists by Language

Who-Qui	kwi	k-w-e
What	ʃe	ts-ay
When-Quando	kwant	k-w-ah-n-t
How-Quomodo	ʃemu:t	ts-ay-m-U-t
Not	no	n-oh
And-Et	e	ay

Romanian

Cognate	IPA	Sounds
I	jew	jg-ay-w
We	noʃ	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	doam̩nə	d-midback_diphthong_romanian-m-n-aah
ManHumanBeing	om	oh-m
Wife-Mulier	mujere	m-u-jg-ay-r-ay
Husband	mərɪt	m-aah-r-e-t
Husband-Socius	sots	s-oh-VlAlveolarSibilantAffricate
Father-Tata	tatə	t-ah-t-aah
Animal	nəmaje	n-aah-m-ah-jg-ay
Fish-Piskem	peʃte	p-ay-shh-t-ay
Bird-Passerem	pasəre	p-ah-s-aah-er-ay
Louse	pədukje	p-aah-d-u-k-jg-ay
Snake	ʃarpe	shh-ah-er-p-ay
Snake-Serpens	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
Leaf	foaje	f-midback_diphthong_romanian-jg-ay
Leaf-Frondea	frunzə	f-er-u-n-zz-aah
Flower	floare	f-l-midback_diphthong_romanian-er-ay
Egg	ow	oh-w
Tail	coadă	tya-midback_diphthong_romanian-d-aah
Feather-Penna	panə	p-ah-n-aah
Hair	pər	p-aah-er
Head	kap	k-ah-p
Head-Testa	tsɛastə	VlAlveolarSibilantAffricate-midfront_diphthong_romanian-s-t-aah
Ear	ureke	u-r-ay-k-ay
Eye	oki	oh-kpalatal
Nose	nas	n-ah-s
Mouth	bukə	b-u-k-aah
Mouth-Gula	gurə	j-u-er-aah
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-midback_diphthong_romanian-er-ay
Moon	lunə	l-u-n-aah
Star	stea	s-t-midfront_diphthong_romanian

Appendix 4 - Word Lists by Language

Water	apə	ah-p-aah
Rain	ploaje	p-l-midback_diphthong_romanian-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
Earth	tsarə	VlAlveolarSibilantAffricate-ah-r-aah
Cloud-Secondary	nor	n-oh-r
Fog-Nebula	negurə	n-ay-g-u-r-aah
Fog-Caecia	tʃeafə	ts-midfront_diphthong_romanian-ts-aah
Sky	tʃer	ts-ay-er
Wind	vint	v-eee-n-t
Ice	dʒer	VdPalatoAlveolarSibilant-ay-r
Smoke	fum	f-u-m
Fire-Focus	fok	f-oh-k
Ash-Cinisia	tʃenuʃə	ts-ay-n-u-shh-aah
Mountain	munte	m-u-n-t-eh
Night	noapte	n-midback_diphthong_romanian-p-t-ay
Day	zi	zz-e
Year	an	ah-n
Name-Nomen	nume	n-u-m-ay
Tongue	limbə	l-e-m-b-aah
ToDrink	bea	b-midfront_diphthong_romanian
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
ToKnow	ʃti	shh-t-e
ToKnow-Cognoscere	kunoaʃte	k-u-n-midback_diphthong_romanian-shh-t-ay
ToThink	kudʒeta	k-u-VdPalatoAlveolarSibilant-ay-t-ah
ToThink-Pensare	pəsa	p-aah-s-ah
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-midfront_diphthong_romanian
ToSit	ʃedeə	shh-ay-d-midfront_diphthong_romanian
ToStand	sta	s-t-ah
ToStand-Levare	lua	l-u-ah
ToTurnIntransitive	turna	t-u-r-n-ah
ToTurnIntransitive-Torquere	toarʃe	t-midback_diphthong_romanian-r-ts-ay
ToFall	kədəa	k-aah-d-midfront_diphthong_romanian

Appendix 4 - Word Lists by Language

ToHold	tsine	VAlveolarSibilantAffricate-e-n-ay
ToSqueeze	skreme	s-k-r-ay-m-ay
ToSqueeze-Stringere	strindʒe	s-t-r-eee-n-VdPalatoAlveolarSibilant-ay
ToRub	freka	f-r-ay-k-ah
ToWash	la	l-ah
ToWipe-Extergere	ʃterdʒe	shh-t-ay-r-VdPalatoAlveolarSibilant-ay
ToWipe-Exsucare	uska	u-s-k-ah
ToPull-Pulsare	pulsa	p-u-l-s-ah
ToPull-Trahere	tradʒe	t-r-ah-VdPalatoAlveolarSibilant-ay
ToPush	impindʒe	eee-m-p-e-n-VdPalatoAlveolarSibilant-ay
ToThrow-Eruncare	aruŋka	ah-er-u-nya-k-ah
ToTie	lega	l-ay-j-ah
ToSew	coase	tya-midback_diphthong_romanian-s-ay
ToCount-Enumerare	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-j-ay-VAlveolarSibilantAffricate-ah
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-j
Long-Largum	larg	l-ah-r-j
Wide	lat	l-ah-t
Thick	gras	g-r-ah-s
Thick-Grossum	gros	j-r-oh-s
Heavy	grew	j-er-ay-w
Small-Pittinus	putsin	p-u-VAlveolarSibilantAffricate-e-n
Narrow	ingust	eee-nya-j-u-s-t
Narrow-Strictus	strimt	s-t-r-eee-m-t
Thin	morunt	m-aah-r-u-n-t
Thin-Subtilis	subtsire	s-u-b-VAlveolarSibilantAffricate-e-r-ay
Dry	sek	s-ay-k
Right-Directus	drept	d-er-ay-p-t
Red	roʃu	er-oh-shh-u
Red-Rubeus	rojb	r-oj_diphthong-b
Green	verde	v-ay-er-d-ay
Yellow	galben	g-ah-l-b-ay-n
White	alb	ah-l-b
One	unu	u-n-u
Two-Duos	doj	d-oj_diphthong
Two-Duae	dowə	d-oh-w-aah
Three	trej	t-r-ej_diphthong
Four	patru	p-ah-t-r-u
Five	ʃinʃ	ts-e-n-ts
There	la	l-ah
Who-Quem	ʃine	ts-e-n-ay
What	ʃe	ts-ay
When-Quando	kind	k-eee-n-d

Appendix 4 - Word Lists by Language

How-Quomodo	kum	k-u-m
Not	nu	n-u
And-Et	e	ay
And-Si	ji	shh-e

Appendix 5 - Segment Groups

Pulmonic Consonants

Manner	Bilabial	Labial-Velar	Labio-Dental	Linguo-Labial	Dental	Alveolar	Post-Alveolar	Retroflex	Palatal	Velar	Uvular	Pharyngeal-Epiglottal	Glottal
Nasal	m					n			ɲ	ŋ			
Stop	p b	k ^w g ^w				t d			k ^j 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	Bilabial	Labio-Dental	Velar	Uvular	Pharyngeal-Epiglottal
Ejective, Stop					
Ejective, Fricative					
Ejective, Lateral, Fricative					
Tenuis, Click					
Nasal, Click					
Tenuis, Lateral, Click					
Implosive					

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

Appendix 5 - Segment Groups

Vowels

	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 • ɛ			ɔ
Near-open			ɐ		
Open		a			ɑ

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

Long Vowels

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

Pulmonic Affricates

Manner	Bilabial	Labio-Dental	Alveolar	Palato-Alveolar	Velar	Uvular	Pharyngeal-Epiglottal	Glottal
Sibilant			ts	tʃ				
Non-Sibilant								
Lateral								

Shaded areas denote articulations judged to be impossible.

Ejective Affricates

Manner	Bilabial	Labio-Dental	Pharyngeal-Epiglottal	Glottal
Central				
Lateral				

Shaded areas denote articulations judged to be impossible.

Appendix 5 - Segment Groups

Other Segments

e Close-mid Front Vocoid Vowel Continuant	g Velar Voiced Pulmonic Stop Occlusive
oː Mid Back Rounded Vocoid Long Vowel Continuant	ʒ Post-Alveolar Voiced Pulmonic Sibilant Fricative Strident Obstruent Continuant
ə Close-mid Central Vowel	j Palatal Voiced Pulmonic Fricative Obstruent Continuant
o Close-mid Back Rounded Vocoid Vowel Continuant	i Close Front Vocoid Vowel Continuant
w Labial-Velar Vocoid Semivowel Voiced Approximant Continuant	ɔ Open-mid Back Rounded Vocoid Vowel Continuant
dʒ Palato-Alveolar Voiced Sibilant Affricate	ɪ Near-close Near-Front Vowel
j Palatal Vocoid Semivowel Voiced Pulmonic Approximant Continuant	n Alveolar Voiced Pulmonic Nasal Occlusive
s Alveolar Pulmonic Sibilant Fricative Strident Obstruent Continuant	u Close Back Rounded Vocoid Vowel Continuant
ʃ Post-Alveolar Pulmonic Sibilant Fricative Strident Obstruent Continuant	oj Mid Front Vowel Diphthong
v Labio-Dental Voiced Pulmonic Fricative Strident Obstruent Continuant	b Bilabial Voiced Pulmonic Stop Occlusive
t Alveolar Pulmonic Stop Occlusive	uː Close Back Rounded Long Vowel
y Close Front Rounded Vocoid Vowel Continuant	d Alveolar Voiced Pulmonic Stop Occlusive
f Labio-Dental Pulmonic Fricative Strident Obstruent Continuant	eː Mid Front Vocoid Long Vowel Continuant
m Bilabial Voiced Pulmonic Nasal Occlusive	a Open Near-Front Vocoid Vowel Continuant
ɾ Alveolar Voiced Pulmonic Tap/Flap Rhotic Vibrant Liquid	ɐ Near-open Central Rounded Vowel
œ Open-mid Near-Front Rounded Vocoid Vowel Continuant	ɛ Open-mid Near-Front Vocoid Vowel Continuant
l Alveolar Vocoid Voiced Pulmonic Lateral Approximant Rhotic Liquid	r Alveolar Voiced Pulmonic Trill Rhotic Vibrant Liquid
x Velar Pulmonic Fricative Obstruent Continuant	ʎ Palatal Vocoid Voiced Pulmonic Lateral Approximant Rhotic Liquid
ʁ Uvular Voiced Pulmonic Fricative Rhotic Strident Obstruent Continuant Liquid	iː Close Front Vocoid Long Vowel Continuant
ɲ Palatal Voiced Pulmonic Nasal Occlusive	o Mid Front Vowel Diphthong
h Glottal Pulmonic Fricative	a
ɔ̃ Open-mid Back Rounded Nasal Vowel	ẽj̃ Mid Front Nasal Vowel Diphthong
ĩ Close Front Nasal Vowel	ã Near-close Back Nasal Vowel
ʈʂ Palato-Alveolar Pulmonic Sibilant Affricate	ẽ Near-open Central Rounded Nasal Vowel
	ɨ Close Central Vowel

Appendix 5 - Segment Groups

p Bilabial Pulmonic Stop Occlusive	z Alveolar Voiced Pulmonic Sibilant Fricative Strident Obstruent Continuant
ð Dental Voiced Pulmonic Fricative Obstruent Continuant	k Velar Pulmonic Stop Occlusive
ts Alveolar Pulmonic Sibilant Affricate Occlusive Strident	a: Open Central Vowel Long Vowel Continuant
ẽj Mid Front Nasal Vowel Diphthong	ʀ Uvular Pulmonic Trill Rhotic Vibrant Liquid
aj Mid Front Vowel Diphthong	ɛ: Open-mid Near-Front Vowel Long Vowel Continuant
θ Dental Pulmonic Fricative Obstruent Continuant	ej Mid Front Vowel Diphthong
ɐj Mid Front Vowel Diphthong	õ Close-mid Back Rounded Nasal Vowel
ẽ Close Back Nasal Vowel	β Bilabial Voiced Pulmonic Fricative Obstruent Continuant
ɭ Alveolar Voiced Velarized Pulmonic Lateral Approximant	ɥ Labial-Palatal Vowel Semivowel Voiced Approximant Continuant
dz Alveolar Voiced Sibilant Affricate	ø: Open Front Rounded Vowel Long Vowel
a Mid Front Vowel Diphthong	ø Close-mid Front Rounded Vowel Vowel Continuant
u	ɛ Mid Front Vowel Diphthong
c Palatal Pulmonic Stop Occlusive	a
k^j Palatal Pulmonic Stop	g Velar Voiced Pulmonic Stop Occlusive
ɑ Open Back Vowel Vowel Continuant	ɔ: Open-mid Back Rounded Vowel Long Vowel Continuant
y Velar Voiced Pulmonic Fricative Obstruent Continuant	ɛj Mid Front Vowel Diphthong
k Labial-Velar Pulmonic Stop Occlusive	ẽ: Close Back Long Nasal Vowel
w	g Labial-Velar Voiced Pulmonic Stop Occlusive
ŋ Velar Voiced Pulmonic Nasal Occlusive	ɟ Palatal Voiced Pulmonic Stop Occlusive
ẽ Mid Front Nasal Vowel Diphthong	ũ Open Back Nasal Vowel
u	ç Palatal Pulmonic Fricative Obstruent Continuant
ɛ̃ Open-mid Near-Front Nasal Vowel	ĩ Palatal Nasal Approximant
ɭ Retroflex Vowel Voiced Pulmonic Approximant Rhotic Liquid	
ɑ: Open Back Long Vowel	

Appendix 5 - Segment Groups

œ̃ Open-mid Near-Front Rounded Nasal Vowel Diphthong

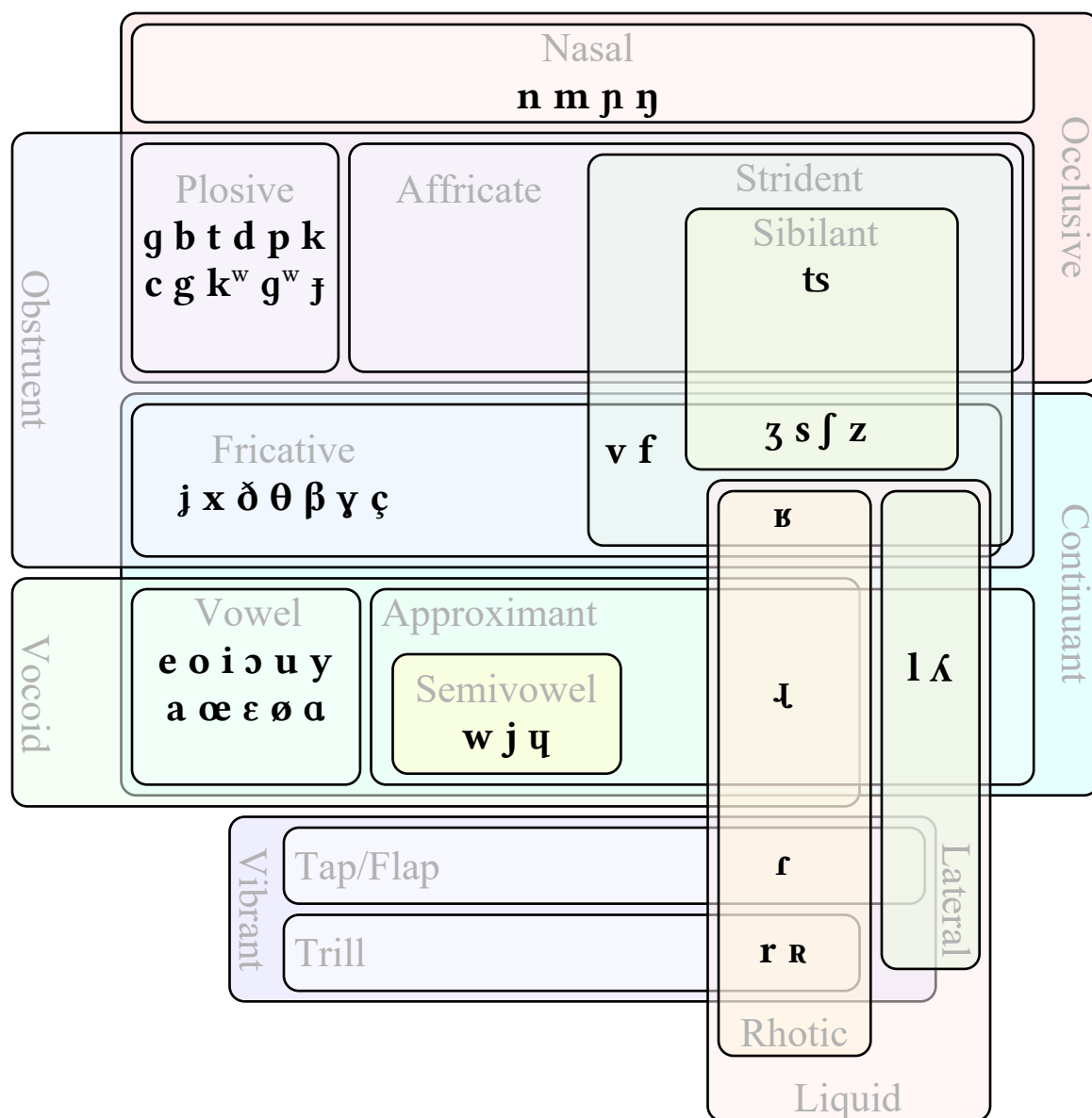
ʊ Near-close Near-Back Rounded Vowel

ẽ̃

Mid Front Nasal Vowel Diphthong

Ẃ̃

Appendix 6 - Euler Feature Diagram



Appendix 7 - International Phonetic Alphabet

IPA Segments

ẽ	θ	β	ʈʃ
1EBD Close Back Nasal Vowel	03B8 Dental Pulmonic Fricative Obstruent Continuant	03B2 Bilabial Voiced Pulmonic Fricative Obstruent Continuant	02A7 Palato-Alveolar Pulmonic Sibilant Affricate
ts	ɖʒ	ɖz	j
02A6 Alveolar Pulmonic Sibilant Affricate Occlusive Strident	02A4 Palato-Alveolar Voiced Sibilant Affricate	02A3 Alveolar Voiced Sibilant Affricate	029D Palatal Voiced Pulmonic Fricative Obstruent Continuant
ʒ	ʎ	ʊ	ʃ
0292 Post-Alveolar Voiced Pulmonic Sibilant Fricative Strident Obstruent Continuant	028E Palatal Vocoid Voiced Pulmonic Lateral Approximant Rhotic Liquid	028A Near-close Near-Back Rounded Vowel	0283 Post-Alveolar Pulmonic Sibilant Fricative Strident Obstruent Continuant
ʁ	ʀ	ɽ	ɻ
0281 Uvular Voiced Pulmonic Fricative Rhotic Strident Obstruent Continuant Liquid	0280 Uvular Pulmonic Trill Rhotic Vibrant Liquid	027E Alveolar Voiced Pulmonic Tap/Flap Rhotic Vibrant Liquid	027B Retroflex Vocoid Voiced Pulmonic Approximant Rhotic Liquid
ɲ	ɺ	ɪ	ɨ
0272 Palatal Voiced Pulmonic Nasal Occlusive	026B Alveolar Voiced Velarized Pulmonic Lateral Approximant	026A Near-close Near-Front Vowel	0268 Close Central Vowel
ɸ	ɣ	ɡ	ʝ
0265 Labial-Palatal Vocoid Semivowel Voiced Approximant Continuant	0263 Velar Voiced Pulmonic Fricative Obstruent Continuant	0261 Velar Voiced Pulmonic Stop Occlusive	025F Palatal Voiced Pulmonic Stop Occlusive
ɛ	ə	ɔ	ɑ
025B Open-mid Near-Front Vocoid Vowel Continuant	0259 Close-mid Central Vowel	0254 Open-mid Back Rounded Vocoid Vowel Continuant	0251 Open Back Vocoid Vowel Continuant

Appendix 7 - International Phonetic Alphabet

ɐ	ũ	œ	ŋ
0250	0169	0153	014B
Near-open Central Rounded Vowel	Open Back Nasal Vowel	Open-mid Near-Front Rounded Vowel Continuant	Velar Voiced Pulmonic Nasal Occlusive
ĩ	ø	õ	ð
0129	00F8	00F5	00F0
Close Front Nasal Vowel	Close-mid Front Rounded Vowel Continuant	Close-mid Back Rounded Nasal Vowel	Dental Voiced Pulmonic Fricative Obstruent Continuant
ç	ʒ	y	x
00E7	007A	0079	0078
Palatal Pulmonic Fricative Obstruent Continuant	Alveolar Voiced Pulmonic Sibilant Fricative Strident Obstruent Continuant	Close Front Rounded Vowel Continuant	Velar Pulmonic Fricative Obstruent Continuant
w	v	u	t
0077	0076	0075	0074
Labial-Velar Vowel Semivowel Voiced Approximant Continuant	Labio-Dental Voiced Pulmonic Fricative Strident Obstruent Continuant	Close Back Rounded Vowel Continuant	Alveolar Pulmonic Stop Occlusive
s	r	p	o
0073	0072	0070	006F
Alveolar Pulmonic Sibilant Fricative Strident Obstruent Continuant	Alveolar Voiced Pulmonic Trill Rhotic Vibrant Liquid	Bilabial Pulmonic Stop Occlusive	Close-mid Back Rounded Vowel Continuant
n	m	l	k
006E	006D	006C	006B
Alveolar Voiced Pulmonic Nasal Occlusive	Bilabial Voiced Pulmonic Nasal Occlusive	Alveolar Vowel Voiced Pulmonic Lateral Approximant Rhotic Liquid	Velar Pulmonic Stop Occlusive
j	i	h	g
006A	0069	0068	0067
Palatal Vowel Semivowel Voiced Pulmonic Approximant Continuant	Close Front Vowel Continuant	Glottal Pulmonic Fricative	Velar Voiced Pulmonic Stop Occlusive

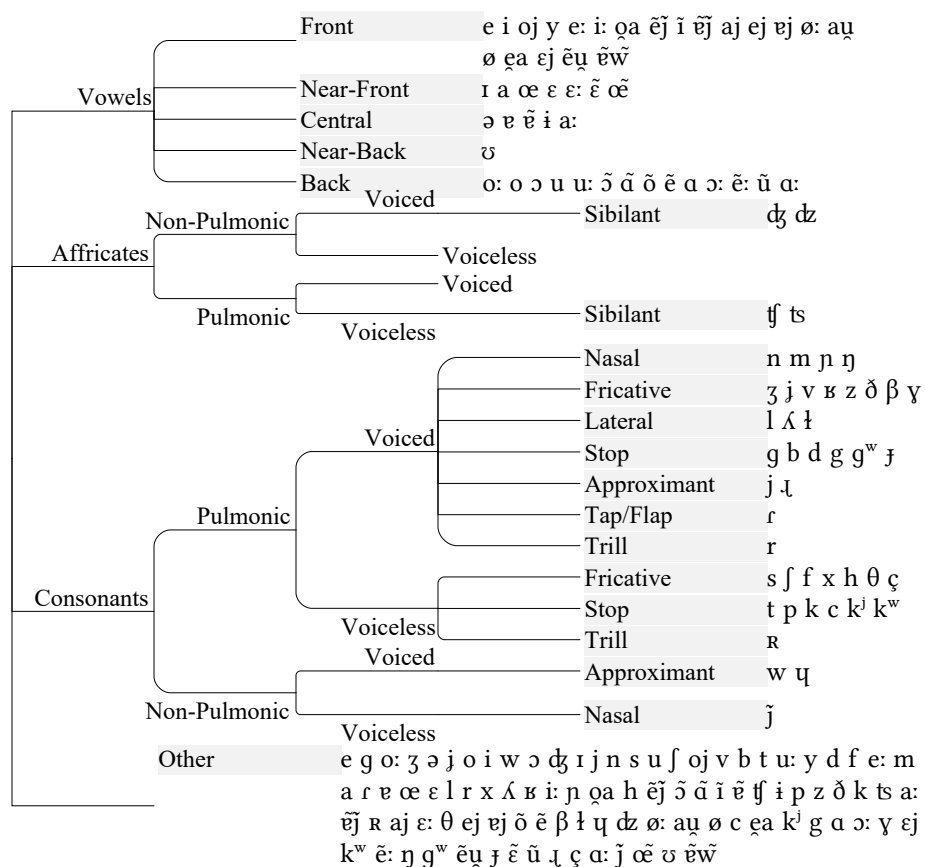
Appendix 7 - International Phonetic Alphabet

f	e	d	c
0066 Labio-Dental Pulmonic Fricative Strident Obstruent Continuant	0065 Close-mid Front Vocoid Vowel Continuant	0064 Alveolar Voiced Pulmonic Stop Occlusive	0063 Palatal Pulmonic Stop Occlusive
b	a	ẽ:	g^w
0062 Bilabial Voiced Pulmonic Stop Occlusive	0061 Open Near-Front Vocoid Vowel Continuant	1EBD, 02D0 Close Back Long Nasal Vowel	0261, 02B7 Labial-Velar Voiced Pulmonic Stop Occlusive
ẽ	ε:	εj	õ
025B, 0303 Open-mid Near-Front Nasal Vowel	025B, 02D0 Open-mid Near-Front Vocoid Long Vowel Continuant	025B, 006A Mid Front Vowel Diphthong	0254, 0303 Open-mid Back Rounded Nasal Vowel
ɔ:	ã	ɑ:	ẽ
0254, 02D0 Open-mid Back Rounded Vocoid Long Vowel Continuant	0251, 0303 Near-close Back Nasal Vowel	0251, 02D0 Open Back Long Vowel	0250, 0303 Near-open Central Rounded Nasal Vowel
ɐj	œ	ø:	u:
0250, 006A Mid Front Vowel Diphthong	0153, 0303 Open-mid Near-Front Rounded Nasal Vowel Diphthong	00F8, 02D0 Open Front Rounded Vocoid Long Vowel	0075, 02D0 Close Back Rounded Long Vowel
o:	oj	k^w	k^j
006F, 02D0 Mid Back Rounded Vocoid Long Vowel Continuant	006F, 006A Mid Front Vowel Diphthong	006B, 02B7 Labial-Velar Pulmonic Stop Occlusive	006B, 02B2 Palatal Pulmonic Stop
ĩ	i:	e:	ej
006A, 0303 Palatal Nasal Approximant	0069, 02D0 Close Front Vocoid Long Vowel Continuant	0065, 02D0 Mid Front Vocoid Long Vowel Continuant	0065, 006A Mid Front Vowel Diphthong

Appendix 7 - International Phonetic Alphabet

<p>a:</p> <p>0061, 02D0</p> <p>Open Central Vowoid Long Vowel Continuant</p>	<p>aj</p> <p>0061, 006A</p> <p>Mid Front Vowel Diphthong</p>	<p>ẽu</p> <p>1EBD, 0075, 032F</p> <p>Mid Front Nasal Vowel Diphthong</p>	<p>ẽj</p> <p>1EBD, 006A, 0303</p> <p>Mid Front Nasal Vowel Diphthong</p>
<p>ɔa</p> <p>006F, 032F, 0061</p> <p>Mid Front Vowel Diphthong</p>	<p>ɛa</p> <p>0065, 032F, 0061</p> <p>Mid Front Vowel Diphthong</p>	<p>au</p> <p>0061, 0075, 032F</p> <p>Mid Front Vowel Diphthong</p>	<p>ẽw̃</p> <p>0250, 0303, 0077, 0303</p> <p>Mid Front Nasal Vowel Diphthong</p>
<p>ẽj̃</p> <p>0250, 0303, 006A, 0303</p> <p>Mid Front Nasal Vowel Diphthong</p>			

Appendix 8 - Feature Tree



Appendix 9 - Diacritics

Diacritics

	Undefined escape character	~	Nasalized	..	Centralized
+	Advanced	-	Retracted	˘	RisingTone
◦	Voiceless		Implosive	˙	Syllabic
ˈ	Ejective	ʕ	Pharyngealized	ˆ	Falling tone
˘	Non-syllabic	˘	No audible release	˘	Rhotic hook
˘	Advanced tongue root	˘	Apical	˘	Extra low tone
⊠	Low rising tone	˘	Less rounded	˘	Dental
˘	Velarized or Pharyngealized	↘	Global fall	˘	Velarized
˘	High tone	⊠	High rising tone	h	Aspirated
j	Palatalized	˘	Creaky voiced	˘	Low tone
l	Lateral release	-	Mid tone	◻	Laminal
˘	Linguo-Labial	n	Nasal release	˘	More rounded
˘	Lowered	˘	Retracted tongue root	↗	Global rise
⊠	Rising falling tone	˘	Raised	˘	Extra high tone
˘	Breathy voiced	˘	Voiced	w	Labialized
˘	Extra short	x	Mid-centralized	↓	Down-step
↑	Up-step	˘	Long	˘	Half-long
	Indeterminacy in french vowels		Begin Non-segmental notation		End non-segmental notation
ʕ	Voiced epiglottal fricative	!	Post-alveolar click		Minor group
	Dental click		Major group		Alveolar lateral click
‡	Palatal click	◦	Voiceless descender	-	Combining macron
˘	Tie-bar below	˘	Tie-bar above	‡	Ready made combination
→	Becomes		Separator		

Appendix 10 - Languages

Latin

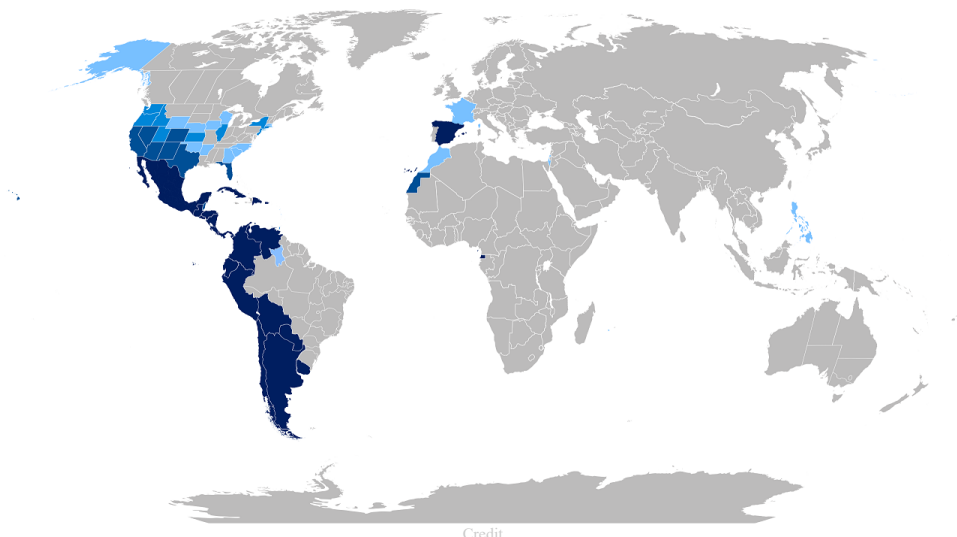


A classical language belonging to the Italic branch of the Indo-European languages. Latin was originally spoken in the area around Rome, known as Latium. Through the power of the Roman Republic, it became the dominant language in Italy, and subsequently throughout the western Roman Empire, before eventually 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.

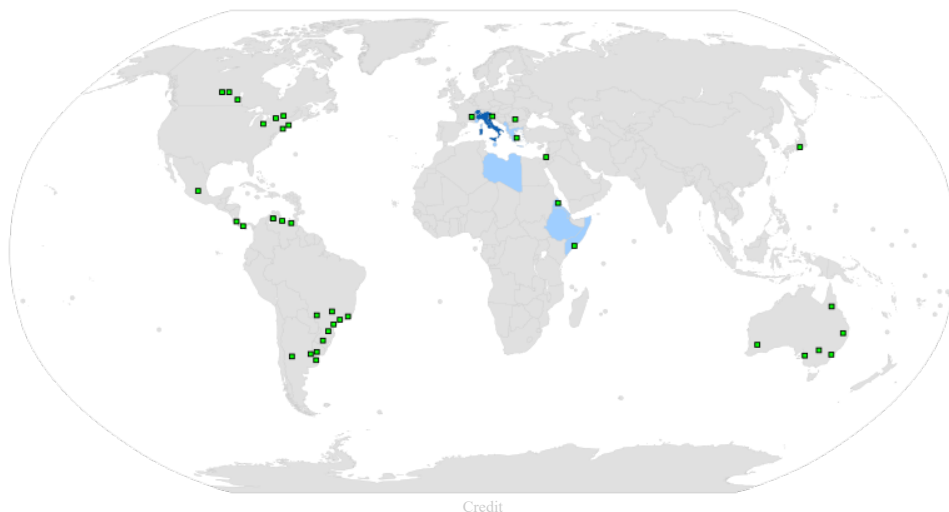
Appendix 10 - Languages

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.

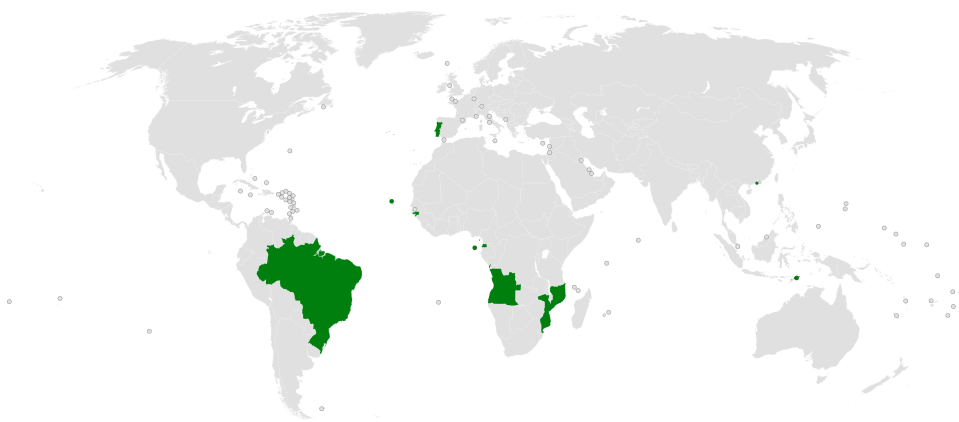
Brazilian Portuguese



Credit

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

Portuguese



Credit

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

Appendix 10 - Languages

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



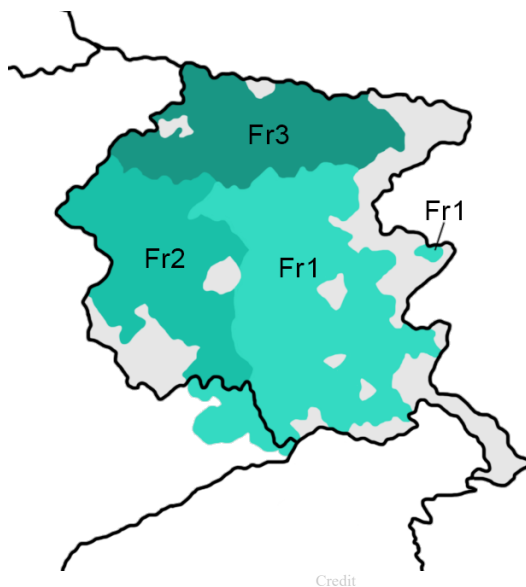
Credit

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



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".