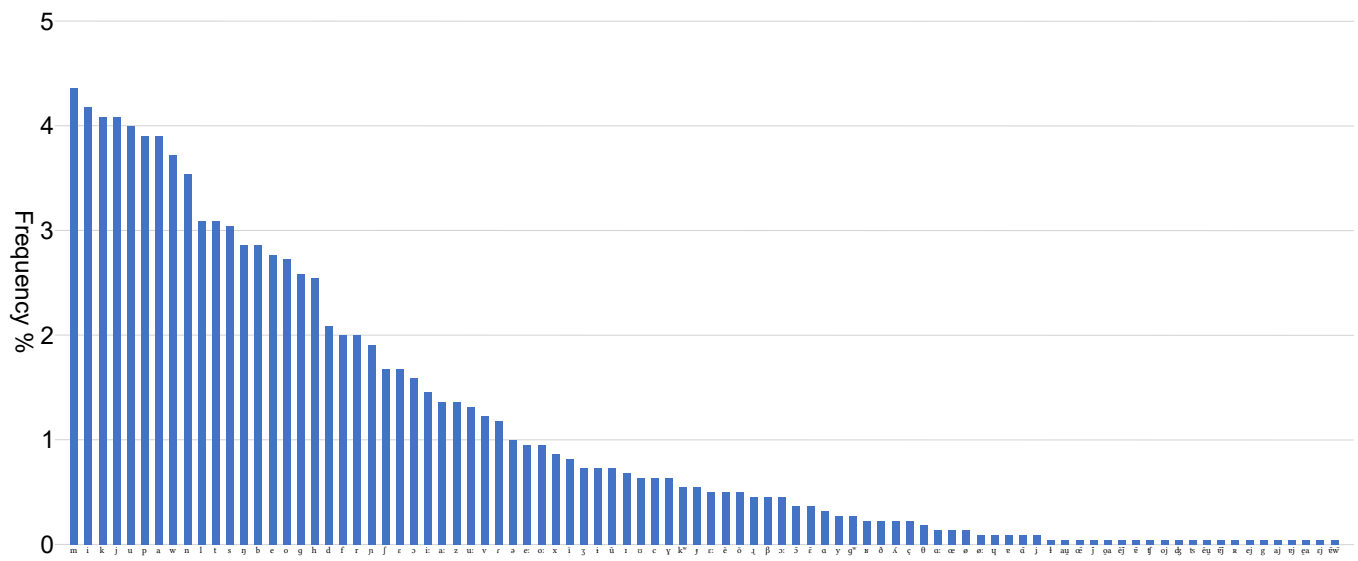


Appendix 1 - Prior Segment Frequencies



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
θ'	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	ego:, ew, jew, usted, vose, vose, veste, embra, femmina, femēv, femjə, fembra, femeje, mulierem, muxer, μοῦλε, мулѣ, мулѣr, мулѣ, mujere, dōne, hominem, ombre, infantem, infante, fante, nenēj, nen, epuz, esposa, mulier, muxer, μοῦλε, мулѣv, мулѣr, мулѣ, mujere, epu, esposo, matrem, mev, madre, madre, mer, piskem, peθ, peffe, pef, pefte, awem, abe, awikellum, useł, passerem, passero, pasære, florem, fjo:re, flqare, ne, nariſje, so:lem, sole, sqare, soreli, lune, etwal, estreja, stella, istrelv, iftrelv, stele, age, ploje, plqaje, mare, mev, sa:lem, sale, se, sare, terra, tek, tjera, tev, tjere, ka:li:ginem, kalidžine, nebula, njebla, nebbja, newlā, negurā, tene:braj, tē:nebre, tene:bras, tenēbv, tinjeblas, tē:nebre, tēnebrās, fyne, fumate, θjelo, tfer, wentum, bjento, ben, fwego, no:men, no:me, nume, no:minem, nombre, lengwa, bibere, beber, bere, bebev, biſer, bevi, komedere, komer, kome, kumer, manduka:re, māze, mančare, mordere, morđer, mōrdere, movdek, murđer, morsika:re, morsikare, murseka, su:gere, syse, suđe, konspuere, kōspye, eskupir, sputere, esputar, sputare, skire, sapere, saber, sabev, sēber, kogno:skere, konοθer, konoffere, kopesev, kupiser, kungafte, ko:gitare, kŭide, kođitare, kuđžeta, pensare, pāse, pensar, pensare, pēse, pejsa: timere, temer, temere, temev, timer, temā, temi, teme, tremere, tremer, tremare, tremev, trimer, dormire, dormire, wi:were, vivere, vivev, viver, morire, moxev, muxer, neka:re, nwaje, neka, anegar, annegare, tje, tuwe, makta:re, mate, okki:dere, uttfidere, utfide, pugna:re, puņpare, battuere, battere, batev, bēter, bate, kaptiare, fase, katfjare, pulsa:re, puse, pulsa:re, sekare, sje, segar, segare, segav, sea: kurtare, ekskurta:re, ekuvte, skortare, ta:lia:re, taje, tałłā:re, di:widere, dividere, divide, skindere, sēde, findere, findere, ender, fēdere, fēdev, fēder, parti:re, partire, se:para:re, sōvve, separar, separare, separav, separa: separa, pungere, punčere, punčre, jugula:re, zygye, jugula:re, radere, raer, radere, vāev, vāer, rade, vāze, rasare, fodere, kaware, kavare, çavle, ekskaware, eskabar, skavare, nata:re, nwotare, naviga:re, naze, nabegar, navigare, wola:re, vole, volare, vōle, zvolare, fəmine, kamminare, tfinine, mavse, mergere, merčere, merče, ambita:re, andare, wenire, benir, venire, veni, ekstendere, etūdē, ekstender, estendere, istēdev, iftēder, əstendrā, ekstinde, jake:re, zeziv, jaθer, đatfere, zūev, zūer, đere, jesi, sede:re, ser, sedere, sev, fedža, sedenta:re, sentar, senta: stare, estar, stare, leva:re, lōve, jebar, levare, levav, leva: altiare, ose, altsare, torna:re, tūvne, tornare, tur:ne, gyra:re, zivē, đirare, vire, virare, tork ^w :ere, torθer, tōrfere, turser, tōarfje, kadere, kaer, kadere, tſjade, tōbe, tume, tene:re, tener, tenere, tek, ter, tšine, segurar, eksprimere, epvēdv, ekspremir, sprmere, ifpramev, ifpramer, əsprmā, esprimi, skreme, serrere, serar, seva, serare, seve, θerar, serrare, sere, appektora:re, apretar, stringere, etvēdv, estrepir, strindžere, stringe, strindže, frika:re, fvēje, fregar, fregare, frea, freka, frikta:re, fvote, frettare, lawa:re, lave, lavare, tergere, terđere, ekstergere, estarsir, fterče, eksu:ka:re, esqije, enxugar, affugare, suwe, limpida:re, tirare, tiše, tirare, tire, puse, trahere, trarre, traze, trēzer, trađe, impingere, impindžere, impindže, jakta:re, zote, efjar, đettare, đete, lankeare, lāse, lanfjare, e:runka:re, arronfjare, liga:re, lie, legar, legare, lear, lega, apta:re, ko:nsuere, koser, kuťfire, kuzer, qōase, komputa:re, kōte, kontare, e:numera:re, enumev, enumerar, enumerare, enumera, di:kere, deθir, dire, dizer, zivē, ekspō:nerē, sporre, spune, kantare, fāte, kantare, tſāte, ludere, jokare, zve đokare, đūwe, fluktuare, flyktŷe, fluttuare, fluitare, fluitare, fluere, flye, fluire, kolare, kule, kolare, kōle, ekskurrere, eskurir, skorrere, ifkovēv, ifkurer, skurče, kurrere, korer, korrere, kovēv, kušer, kurče, gela:re, zōle, elar, đelare, đale, glakia:re, glase, gjatfjare, inglakia:re, ingetsa, bvyle, brufjare, bvū:le, kremare, kvame, kemar, kremare, kejmare, kejmave, flammare, flōbe, flamear, fjammarē, ardere, arder, ardere, avdek, vder, arde, flagra:re, flagve, flagrare, inkendere, ēsādje, enθender, inťendjare, isenđjar, ənsendrā, inťindže, ustula:re, ustolare, alter, grandem, grande, grande, majjorem, mare, le, grabe, greve, grew, grew, lerdo, pesađo, pesante, pezadu, pezant, pekeno, pekenu, pikenu, brewis, bebre, breve, brew, bvef, etkwa, estrefjo, stretto, menudo, delyađo, delikato, dewgadu, subtilem, sottile, subtsire, ruber, vermikulul, bermexo, vermiłło, vevmełu, rubeus, rubeo, ruđe, wiridem, vev, berde, verde, verdi, verde, due, tres, tre, tref, k ^w i:nk ^w e, tfinjkwē, ekkumhi:k, k ^w em, kjen, tfine, ke, tfe, kome, tfe:mut, nek, ne, et, e
1	g	ego:, agwē, lago, lagu, ka:li:ginem, negurā, fwego, fogu, lāg, lengwa, lingwa, ligwē, musāga, musāgar, su:gere, sugav, sugar, kogno:skere, ko:gitare, nāga, anegar, annegare, segav, pungere, jugula:re, zygye, nabegar, navigare, nābāga, naviga, segurar, sigurav, fregar, frāga, iffrigar, tergere, ekstergere, enxugar, affugare, ēfugar, əfuga, liga:re, legar, legare, zogav, zuga, flugtwar, gela:re, glakia:re, glase, gjatfjare, glāsa, inglakia:re, flagra:re, flagve, flagrar, flagrare, flagrar, awgū, ałgū, əlgu, gvā, grande, grande, grēđji, grēdi, longum, lungu, lōgu, largo, lāvgu, largu, grawis, gvav, grabe, greve, gravi, gravi, grew, angustus, angosto, angusto, dewgadu

Appendix 3 - Segments used in the word list

2	o:	ego:, no:s, no:i, no:, wo:s, vo:i, vo:, homo:, spo:s, flo:rem, fjo:re, flo:r, so:lem, no:men, no:me, no:minem, kogno:skere, ko:gitare, ko:nsuere, ekspo:nere, ko:la:re, to:tus, po:k, duo:s, k ^w ando:, k ^w omodo, no:n
3	3	zə, zə, plu:zə, kalizēj, kəlizēj, mǝze, mēzək, mēzar, mənɜa, kuzitək, kuzitar, pūzɪk, pūzir, zygy:le, naze, zezi:k, zəzer, zəzer, zəwɜ, zɪkə, zɪrək, zɪrə, əftrɪzɪr, əftrɪzɪr, əstərzi, zəte, zejtar, zwe, zogək, zuɣər, zuga, zuka, zəle, zɪlək, zəla, ɪnfɪndze, ləkz, du:ze:, kuz
4	ə	zə, dənə, dɔɡamnə, ɔmə, əspɔzə, mərɪt, əspɔs, mərə, pasəre, ʎunə, lunə, əstɛl, ajɣwə, apə, plu:zə, tərə, tsarə, newlə, negurə, tənɛbrəs, ʃɛatʃə, limbə, bɛwɜ, mənɜa, musəga, musəgar, musəɣa, əskupi, səβe, kunɛʃə, pənsə, pəsə, temə, biwɜ, nəga, mətə, batrə, kəsə, səɣa, təʎə, təja, fɛndrə, pərti, səvɛ, səpərə, rawɜ, rəza, rəska, kəbə, nədə, nəbəga, ʃəmine, kəmina, vənɪk, bəni, əstendrə, zəwɜ, zəʃɛə, əstə, ləve, ʎəbə, əlsə, tɔrsə, kawɜ, kədə, tənɪk, təni, ɪʃprəmɛk, ɪʃprəmer, əsprəmə, sərar, səra, əftrɪzɪr, əftrɪzɪr, əstreɲə, frəga, frəsə, əstərzi, əfuga, trɛwɜ, əmpɛrə, zəte, ʎənsə, kəntə, əskorə, korə, zəle, zəla, gləsə, krəma, ənsendrə, əlɣu, altrə, amplə, pəzə, pəzat, pəti, pətit, əstret, mənɣ, mənɣt, mərɣnt, dəlikət, bərmeʎ, dowə, kwatrə, əʎə
5	j	jo, estreja, jubja, jaθer, jɛbar, aja
6	o	jo, io, jo, nos, no, bos, vof, vos, vose, voste, moʎʎe, domina, doɲa, donɛ, hominem, ombre, omēj, om, homo:, wəmo, nɪpo, nino, sponsa, esposa, ispoza, ɪʃpoze, moʎʎe, mariðo, marito, sponsus, esposo, spo:zo, ispozu, ɪʃpozu, sokius, sɔʃfo, sots, wazo, utʃfello, paxaro, passero, fruto, frutto, flor, flok, naso, na:so, sol, sole, solikulus, soreli, o, pjoddɣa, ploje, lago, lago, θjelo, ʃfelo, bjento, vento, fokum, fwego, fwəko, fogu, foɣu, fok, apɔ, anno, nomi, nomi, nombre, komedere, komer, kome, morde:re, moɣɣ, moɣɣer, moɣɣek, morsika:re, moskar, morsikare, konspuere, kogno:skere, konɔθer, konɔʃfere, kopeseɣ, koposi, koɣitare, dormi:re, dormir, dormire, doɣmiɣ, dormi, morir, morire, moɣek, okki:dere, kortar, koɣtək, skortare, kosaɣ, fodere, nwotare, wola:re, vole, bolar, volare, voək, zvolare, zvolə:, ose, torna:re, tornar, tornare, toɣnək, torna:, toɣk ^w ere, toθer, appektora:re, fɣote, frotar, arronʃare, koser, komputa:re, kontar, kontare, kontə:, sporre, jo:kəre, ɣokare, zogək, kolər, kolare, koək, skorrere, ɪʃkoɣek, əskorə, skori:, korer, korrere, koɣek, korə, kori, ustolare, omne:s, oɲɟi, todo, tutto, todɣ, toðu, tot, muʃfo, molto, mol, molc, tanto, okə, alguno, alkuno, poko, pəko, powku, oɣ, otro, altro, owtru, maɲo, maɲɲo, majjorem, longum, longo, lungo, ʎoɲ, larɣo, largo, lato, anʃfo, ampjo, lerdo, lordo, pesaðo, pekeɲo, pitʃino, pikkolo, korto, korto, angosto, angusto, estreʃfo, stretto, menudo, minuto, delɣaðo, delikato, sottile, rubro, roxo, rosso, ɣofɣ, ɣofu, ros, roʃu, bermexo, vermiʎʎo, rubjo, rəbbjo, rubeo, uno, dos, dowə, k ^w attwor, kwatro, kwattro, θinko, kwando, k ^w o:modo, komo, kome, komu, no, non
7	i	io, no:i, vo:i, fe:mina, femmina, femine, mulierem, domina, hominem, infantem, infante, ɪfēʃi, nɪpo, nino, ispoza, mulier, maɟi, mariðo, marito, maridu, mərɪðu, marit, mərɪt, ispozu, sokius, mari, piskem, peɟʃi, avi, awikellum, fɣɟi, nariθ, nariʃe, naris, nərɪʃ, solikulus, soreli, istrelə, pluwia, plɟi, ka:li:ginem, kalina, kalidɣine, kalizēj, kəlizēj, tinjeblas, kajkia, vint, nomi, no:minem, ling ^w a, lingwa, limbə, bibere, bevi, mwardi, morsikare, morsikare, kuspiɣ, kufpiɣ, eskupiɣ, əskupi, ʃti, kinɔh, koposi, ko:gita:re, kɟide, kwidar, koɣitare, kuzitək, kuzitar, timere, temi, trimə:, doɣmiɣ, dormir, dormire, doɣmiɣ, durmir, durmi, dwəmi, dormi, vivɣ, bibir, vivere, viveɣ, viver, biwɜ, vivi, via, muɣɣ, morir, morire, muri, mɔri, muri, tu:tə:ri, əksiɣ, utʃfidere, uksi, ufide, batir, bati, kaptia:re, ta:lia:re, di:widere, dibidir, dividere, ɣividɣiɣ, dividiɣ, dibidi, dividi, divide, skindere, findere, findere, pətiɣ, partir, partire, pəʃɟiɣ, pətiɣ, pərti, pɔ:rti, pūzɪk, pūzir, puni, fwɪk, ɪʃkəvək, ɪʃkəvar, naviga:re, navigare, naviga:, naviga, ʃəmine, kaminar, kamminare, kəmiɲək, kəmiɲar, kəmina, ʃimine, camina:, ambita:re, vənɪk, benir, venire, viɣ, vir, bəni, vini, viɲi, veni, istēdek, ɪʃtēder, ekstinde, zeziɣ, jesi, altia:re, zɪkə, xɪrək, ɣɪrək, zɪrək, zɪrə, ɣɪrə, viɣe, birar, virare, virar, bira, kəir, tənɪk, təni, tini, tinji, sine, eksprimere, ekspremir, ɪʃprəmɛk, ɪʃprəmer, esprimi, stringere, estreɲir, strindɣere, əftrɪzɪr, əftrɪzɪr, stringe, frika:re, friktare, frisar, estarsir, əstərzi, esɟije, limpida:re, limpjar, tira:re, tiɣe, tirar, tirare, ʃira, tira, tire, tira:, impingere, impindɣere, impindɣe, xita, liga:re, lie, ʎiɣa, kuʃire, kuzi, kuzi, diɣ, deθir, dire, dizer, di, ziʃe, ludir, fluita:re, fluitare, fluir, fluire, flwiɣ, flwir, lui, eskurir, ɪʃkoɣek, ɪʃkurer, kuɣiɣ, kori, glakia:re, inglakia:re, inkendere, ɪnfendjare, ɪnfɪndze, oɲɟi, altri, alius, grēɣi, grawis, gravi, grevi, pittitus, pəti, pətit, piti, pittinus, pitʃino, putsin, pitulus, pikkolo, pitʃul, brewis, brevi, striktus, istrejtɣ, minu:tus, minuto, miudu, miuðu, minu, minu:t, de:lika:tus, delikato, dəlikət, sutil, sottile, suʃɟiw, suptil, su:ti, subsire, vermikulus, vermiʎʎo, wiridem, kwatri, θinko, ʃɪɲkwe, siɲk, ʃɪɲk, ʃɪɲʃ, isi, aki, kwi, eki, illək, ibi, vi, ai, ei, k ^w is, ki, kwi, ʃine, k ^w id, ni, i, ʃi

Appendix 3 - Segments used in the word list

8	w	ew, jew, wo:s, wɔmo, pwasɔ, awem, aw, awikellum, wazo, sɔw, etwal, aywa, akkwa, agwɛ, ajɣwɔ, ɛ:w, pluwia, saw, nɛvwɛ, newlɔ, sɛw, wentum, fwego, fwɔko, lɛngwa, lingwa, ligwɛ, bwɔk, bɛwrɔ, mwardi, savwɔk, kwidar, dwɔkmi, wi:were, biwrɔ, nwaje, tuwe, di:widere, pwɛdɔ, rawrɔ, fwɔk, kawarɛ, ekskawarɛ, nwotare, wolarɛ, vwar, wenirɛ, zawrɔ, swɔk, fwɔk, kawrɔ, lawarɛ, suwe, trɛwrɔ, zwe, ɖuwe, flugtwar, flwɔk, flwir, awgũ, powku, owtru, aw, grawis, grew, grew, brewis, brew, etkwa, dewgadu, suɖiw, wiridem, dowɔ, tɔwɔ, k ^w attwor, kwatro, kwattro, kwatru, kwatrɔ, kwat, kwatri, ɖɪŋkwe, kwi, kwi, kwa, kwe:, kwando, kwɛdu, kwan, kwand, kwant
9	ɔ	zɔ, nɔjs, nɔf, vɔjs, vɔse, dɔnna, dɔnɔ, dɔne, ɔm, ɔmɛj, ɔmɔ, ɔm, wɔmo, spɔza, ɛspɔzɔ, spɔzo, ɛspɔs, sɔɖɔ, flɔ, sɔw, sɔɔ, sɔl, sɔlɔ, sɔlej, njɔly, fwɔko, fɔk, nɔm, nɔɲ, mɔrdere, kɔnetɔ, kinɔh, dɔkmiɔ, mɔri, ɔksɔ, vɔle, tɔkɔ, tɔɖfɛrɛ, tɔrsɔ, lɔji:, kɔle, tɔ, pɔko, pɔk, rɔs, rɔbbjɔ, rɔɖf, kɔmɔ, kɔm, kɔmɛ
10	ɖ	ɖɔ, pjɔddɔ, kalidɖine, mandɖare, suɖe, kodɖitare, kuɖeta, ɖividɖiɔ, punɖere, punɖe, nɛɖi:, merɖere, merɖe, ɖaɖfɛrɛ, ɖere, ɖirare, ɖira:, strindɖere, strindɖe, tɛɖere, ɖterɖe, traɖe, impindɖere, impindɖe, ɖettare, ɖete, ɖokare, ɖuwe, ɖuja:, skurɖe, kurɖe, ɖelare, ɖale, isendɖiar, grɛɖi, ruɖe
11	ɪ	ɖɔ, na:rɪs, isendɖiar
12	j	jo, jew, nɔjs, vɔjs, femjɛ, femeje, mujere, mujere, uɖjɛl, fruɖt, fjo:rɛ, jubja, pjɔddɔ, ploje, plɔaje, tjera, tjere, njɔly, njebla, nebbja, tinjeblas, sjɛl, ɔjelo, bjento, skuɖpa, kujda, sje, taje, teji:, taja:, tɔja, jugularɛ, jugularɛ, jakɛrɛ, jesi, ɖjade, tinji, esɔije, suja:, limpjar, jaktarɛ, lɔji:, jokare, ɖuja:, gjatɖjare, ɖjammare, ɛsɔɖje, inɖɛndjare, isɛɖjar, majjɔrem, ampjo, rubjɔ, rɔbbjɔ, kjen
13	n	no:s, nu, nos, no:i, nɔjs, nɔf, no, no:, noj, fe:mina, femmina, femine, domina, dɔnna, donɔ, dɔnɔ, dɔne, dɔamɔ, hominem, infantem, infante, fante, nɔno, nino, nenɛj, nen, sponsa, sponsus, na:sus, ne, naso, na:so, nas, na:s, nas, nariθ, nariɖe, naris, nɛrɪf, na:rɪs, lu:na, lyn, luna, ɔunɔ, lɔn, lune, lunɔ, ka:li:ginem, kalina, kalidɖine, nebula, njɔly, njebla, nebbja, nɛvwɛ, newlɔ, negurɔ, tene:braj, tenebre, tene:bras, tenɛbɔ, tinjeblas, tenebre, tenebrɔs, wentum, bjento, vento, ben, vint, vint, annum, anno, ɛnu, an, no:men, nɔ, no:me, nomi, nomi, nɔm, nɔ, nɔɲ, nume, no:minem, nombre, ling ^w a, lingwa, lɛngɛ, manduka:rɛ, mandukar, mandɖare, minka, konspuere, kogno:skere, kɔnetɔ, konɔθɛr, konɔffɛrɛ, kunɛfɔ, kinɔh, kunɔafɛ, pensarɛ, pensar, pensare, pɔnsa, nekare, nwaje, nɔga, neka, anegar, annegare, pugnare, skindere, findere, findere, ender, fɛndere, fɛndrɔ, pungere, punɖere, punɖe, natare, nadar, nwotare, nadar, nɛɔar, nɔda, nada:, navigarɛ, naze, nabegar, navigare, naviɔar, nɛvɔar, nɛbɔga, nɛɖi:, naviga:, naviga, fɔmine, kaminar, kamminare, kɔmina, ɖimine, camina:, andar, andare, wenirɛ, vɔnɔk, benir, venire, bɔni, vini, veni, ekstendere, ekstender, estɛndere, ɛstɛndrɔ, ekstinde, sedentarɛ, sentar, senta:, tornarɛ, tɔrne, tornar, tornare, tɔrnɔk, turnar, turna, tɔrne, torna:, turna, tene:rɛ, tɔnɔk, tener, tenere, tɔni, tini, tinji, tsine, stringere, strindɖere, stringe, strɛngi:, strindɖe, enxugar, impingere, impindɖere, impindɖe, lankearɛ, lanθar, lanɖfare, ɔnsa, lancɪ:, lanɖfar, ɛ:runkarɛ, arankar, arronɖfare, ko:nsuere, konar, kontare, kontar, enumerarɛ, enumeɔe, enumerar, enumerare, enumera, numara, ekspɔ:nere, spune, kantare, kantar, kantare, kɔnta, canta:, kinta, inglakia:rɛ, ingetsa, inkendere, enθender, inɖɛndjare, isendɖiar, ɛnsɛndrɔ, inɖindɖe, omne:s, tantus, tanto, tant, tanc, alguno, alkuno, magnum, grandem, grande, grande, gran, grant, longum, longo, lungo, lunk, lung, anɖɔ, pesant, pesante, pezant, pittinus, pitɖino, pekenu, pikenu, putsin, angustus, angosto, angusto, minu:tus, mɔny, menudo, minuto, mɔnut, minu, minu:t, mɔrunt, u:num, uno, un, unu, k ^w i:nk ^w e, ɔinko, ɖinɖf, kjen, ɖine, k ^w ando:, kwando, kwan, kwand, kwant, kind, no:n, nɔ, no, non, nɛw, nu, nek, ni, ne, nɛj, nɛj, nɛ

Appendix 3 - Segments used in the word list

14	s	no:s, nos, nojs, wo:s, bos, vojs, bus, vos, usted, vose, vose, voste, sponsa, esposa, spōza, ispoza, əspōzə, mari:tus, sponsus, esposo, spōzo, ispozu, əspōs, spo:s, sokius, sōfō, sots, piskem, pēs, pwasō, useł, passero, passero, paseru, pasere, fruktus, na:sus, naso, na:so, nas, na:s, nas, naris, na:ris, so:lem, sol, sole, sōw, sōł, sōl, sōb, sōare, solikulus, sōlej, soreli, stella, estreja, stella, istrele, əstel, stō:l, stēle, stēa, sa:lem, sēl, sal, sale, saw, se, sa:l, sare, tene:bras, tinjeblas, tēnebrās, fumasē, sjel, sēw, sēl, si:ɤ, morsika:re, moskar, morsikare, musəga, musəgar, musəya, murseka, su:gere, syse, sugaɤ, sugar, sysi, suđe, konspuere, kōspyē, kuspiɤ, eskupir, əskupi, skujpa, sputere, esputar, sputare, spuda:, ski:re, sapere, savwaɤ, saber, sabēɤ, səber, səβe, savø:ɤ, save:, kogno:skere, kōnesēɤ, kupiser, kōposi, pēnsa:re, pāse, pensar, pensare, pēsəɤ, pēsar, pēnsa, pēse, peɤsa:, pēsa, əksiɤ, uksi, fase, kasəɤ, kēsar, kēsa, fjesi:, pulsa:re, puse, pulsare, pulsa:, pulsa, seka:re, sje, segar, segare, segəɤ, siyar, səya, sea:, ekskurta:re, skortare, skurta:, skurta, skindere, sēde, se:para:re, səvə, separar, separare, separəɤ, siperar, səpəra, separa:, separa, rasar, rasare, rasa:, raskar, rəska, kosa:ɤ, kusar, ekskawa:re, eskabar, skavare, ekstendere, ekstender, estendere, istēdeɤ, əstendrə, ekstinde, jesi, sede:re, swəɤ, ser, sedere, sēɤ, sedenta:re, sentar, sētar, senta:, sta:re, estar, stare, əsta, es, sta:, sta, ose, əlsa, əlsar, əlsa, hō:si:, turser, tōrsə, segurar, siguraɤ, siyurar, eksprimere, ekspremir, spremere, əspremə, esprimi, skreme, serrere, serar, səɤa, sərar, səra, serare, səɤe, serrare, siɤar, səre, stringere, estrepir, stringere, əstreɤə, stringe, strēngi:, strindge, frisar, frasa, ekstergere, estarsir, əstərzi, eksu:ka:re, esqije, suwe, suja:, uska, puse, pu:si:, pulsa:, lāse, lēsa, lēsar, lānsa, kōnsuere, koser, qōase, ekspo:nere, sporre, spune, ekskurrere, eskurir, skorrere, əskorə, skori:, skurdge, glase, gləsa, ēsədje, īsenđjar, īsēdjar, ənsendrə, ustula:re, ustolare, ustura, omne:s, to:tus, multus, tantus, paɤkus, alius, grawis, lurdus, pe:sant, pesađo, pesante, pittitus, pittinus, pitulus, kurtus, brewis, angustus, angosto, angusto, ingust, striktus, estrefo, stretto, istrejtə, əstret, stō:ɤ, stret, strimt, minu:tus, de:lika:tus, subtil:em, sutil, sottile, sufjiw, suptil, suti:, suti:l, subtsire, russus, rosso, ros, rōs, vermikululus, rubeus, duo:s, dos, dojs, duas, duēs, tre:s, tres, trēs, sēk, siku, siɤk, isi, k ^w is, si:k
15	u	nu, vu, bus, tu, usted, mulierem, muxer, mułəɤ, mułer, mułe, mui:r, mujere, epuz, mulier, muxer, mułəɤ, mułer, mułe, mui:r, mujere, mari:tus, maridu, meriđu, sponsus, epu, ispozu, ifpozu, sokius, awikellum, utfello, useł, utfjel, paseru, fruktus, fruto, frutto, frute, frujt, frut, frukt, na:sus, solikulus, luna, luə, łunə, lune, lunə, pluwia, jubja, juvə, pluza, lakum, lagu, layu, nebula, negura, fumata, fuma:ta, fumasē, fumate, kajlum, wentum, vētu, fokum, fogu, foyu, annum, enu, nume, kumer, manduka:re, mandukar, murder, musəga, musəgar, musəya, murseka, sugaɤ, sugar, cuca:, suđe, konspuere, kuspiɤ, kuspir, eskupir, əskupi, skujpa, sputere, esputar, sputare, spuda:, kupiser, kunefə, kunqafte, kuzitaɤ, kuzitar, kujda, kuđeta, durmir, durmi, durmi, muɤiɤ, muɤer, muri, muri:, muri, tuwe, utfidere, uksi, ufide, pugna:re, pupar, puɤɤare, pupa, battuere, pulsa:re, puse, puxar, pulsare, puɤəɤ, puɤar, pulsa:, pulsa, kurtare, kurtar, ekskurta:re, ekurte, skurta:, skurta, pungere, puɤgere, puɤi, puɤge, jugula:re, jugula:re, kusar, bula, zbura, lua, tūne, turnar, turna, turna, turser, tumbar, tumba, tume, segurar, siguraɤ, siyurar, enxugar, əfugare, əfugar, əfuyar, əfuga, suwe, suja:, uska, puse, pulsa:, erunka:re, aruɤka, kōnsuere, kudɤ, kuɤfire, kuzer, kuzi, kuzi, komputa:re, kumta, e:numera:re, enumeɤe, enumerar, enumerare, enumera, numara, spune, ludir, xugar, zuyar, zuga, đuwe, đujar, zuka, flu:ktua:re, flugtwar, fluttuare, flutuəɤ, flutuar, fluktua, fluctua, fluita:re, fluitare, fluere, fluir, fluire, flui, kule, kuar, kuła, ekskurrere, eskurir, ifkurer, skurdge, kurrere, kuɤiɤ, kuɤer, kurđe, bruɤare, bruza:, ustula:re, ustolare, ustura, to:tus, tu, tutto, todū, todū, dut, multus, mu, mufo, mūjtū, mult, tantus, tētū, tētū, alguno, alkuno, əlgu, paɤkus, powku, owtru, alius, magnum, longum, lungo, lōgu, lunk, lung, largum, laɤgu, largu, la:tum, latu, amplum, əfu, lurdus, luɤ, pezadu, pizađu, pittitus, pittinus, pekenu, pikenu, pu:tin, pitulus, piɤful, kurtus, kuɤ, kuɤtu, kurtu, kurt, kurt, angustus, angusto, ingust, striktus, istrejtə, iftrejtə, minu:tus, menudo, minuto, miudu, miđu, mənut, minu, mərunt, de:lika:tus, dewgađu, deɤyađu, subtil:em, sutil, sufjiw, suptil, suti:l, subtsire, ruber, rubro, russus, ɤu, ɤofu, rofu, vermikululus, vəkmełu, virmejłu, rubeus, ɤuz, rubjo, rubeo, ruđe, u:um, uno, un, uɤ, unu, duo:s, duaj, due, duas, duēs, duəf, kwatru, patru, siku, ekkumhi:k, kwēđu, komu, kum, nu
16	f	noɤ, voɤ, ifpoze, ifpozu, peɤfe, peɤji, peɤji, peɤ, peɤte, neriɤ, iftrele, juvə, trevəf, kuspir, fti, konoffere, kunefə, kunqafte, fase, puɤəɤ, puɤar, findre, ɤafkaɤ, ɤefkar, ifkəvəɤ, ifkəvar, fəmine, maɤse, iftēder, fedəa, iftar, altfa:, fwaɤ, ifprəməɤ, ifprəmer, əftriɤir, əftriɤir, iffriɤar, iffriɤar, fterđe, əfugare, əfugar, əfuyar, əfuga, fāte, ifkōvəɤ, ifkurer, əfu, iftrejtə, ɤofu, ɤofu, rofu, doɤf, duəf, tref, fi
17	oj	noj, voj, froj, rojb, dojs, doɤf, doj

Appendix 3 - Segments used in the word list

18	v	vu, vo:i, vɔjs, voʃ, vos, vo:, voj, vose, vɔse, voste, avi, avi, ʃuvə, nəvwə, trɛvɛʃ, vã, vento, vɛtu, vɛ, vint, vint, bevi, savwə, savø:ɾ, save:, vivə, vivere, vivek, viver, vivi, via, dividere, ɖi:vi:ɖi:ɖi, dividiðir, dividi, divide, sɔvɛ, kavare, kɛvə, kɛvar, ɕa:vle, ʃava:, skavare, iʃkɛvə, iʃkɛvə, zʃava:, navigare, navigare, navijə, nəvijə, naviga:, naviga, vole, volare, voə, vwar, vɔle, zvolare, zvolə:, vənɪk, venire, viɪ, vir, vini, vi:ni, veni, levare, ləve, levare, levə, livar, leva:, viɛ, virare, virar, lave, lavare, lɛvar, lava:, gɔav, grɛve, gravi, gravi, grav, grɛvi, brɛve, brɛvi, brɛvi, vermikulʊs, vɛmɛj, vermiálo, vɛmɛlu, virmɛju, vɛ, verde, verdi, vɛrt, vɛ, vɛrt, verde, vi
19	b	bos, bus, embra, fembra, ombre, abe, jubja, nebula, njebla, nebbja, tene:braj, tɛ:nebre, tene:bras, tenɛbɪ, tinjeblas, tɛ:nebre, tɛnebrəs, bjento, ben, nombre, limbə, bibere, bwə, beber, bere, bebes, biɸer, bɛwɾə, bə:ɪ, bevi, bɛa, saber, sabɛ, sɛber, bibir, biwɾə, battuere, batɪ, batir, battere, batek, bɛter, batrə, bate, bati, dibidir, dibidi, kabar, kəba, eskabar, nabegar, nəbəga, bolar, bula, zbura, ambita:re, benir, bəni, jebar, ʌba, birar, bira, tɔbe, tumbar, tɔbə, tɔbar, tumba, bɔyle, bruɸare, bɔu:le, bruza:, flābe, grabe, brewis, bɛf, brebe, brɛve, brɛvi, brɛvi, brew, bɛf, subti:lem, subtsire, ruber, rubro, bermexo, bɛrmɛ, rubeus, rubjo, rɔbbjo, rubeo, rojb, berde, ibi:
20	t	tu:, ty, tu, usted, voste, infantem, infante, fante, ifɛti, maritus, marito, marit, mari:t, mɛrit, mɛ:trem, pɛfte, utʃello, fru:ktus, fruto, frutto, frutə, fruɸt, frut, frukt, stella, etwal, estreja, stella, istrelə, iftrelə, əstɛl, stɔ:l, stele, stɛa, la:t, terra, tɛ, tjera, terra, tɛ, tɛ, tɛrə, tɛ, tjere, tene:braj, tɛ:nebre, tene:bras, tenɛbɪ, tinjeblas, tɛ:nebre, trɛvɛʃ, tɛnebrəs, fu:mata, fumata, fumata, fumate, wentum, bjento, vento, vɛtu, vint, vint, sputere, esputar, sputare, ʃti, kɔnɛtɪ, kunqastɛ, kɔgitare, kɔɖitare, kuzitar, kuzitar, kuɖeta, time:re, temer, temere, temɛ, timer, temə, temi, teme, tremere, tremɛ, tremare, tremɛ, trimer, trima:, tu:tari, tɛ, tuwe, makta:re, mate, matar, mataɪ, mɛtar, mɔta, utʃidɛrɛ, battuere, batɪ, batir, battere, batek, bɛter, batrə, bate, bati, kaptiare, katɸare, kurtare, kortar, kɔtar, kurtar, ekskurtare, ekuste, skortare, skurtar, skurta, ta:liare, taje, taxar, ta:la:re, ta:la, tɛlar, tɔla, tɛji:, taja:, taja, fɛt, parti:re, partik, partir, partire, pɛtir, pɛti, pɔ:rti, parti:, nata:re, nɔtare, ambita:re, ekstendere, etāɪ, ekstender, estendere, istɛdɛ, iftɛder, əstendrə, ekstinde, sedenta:re, sentar, sɛtar, senta:, stare, ɛt, estar, stare, iftar, əsta, sta:, sta, altiare, altɸar, torna:re, tu:ne, tornar, tornare, tɔnə, turnar, turna, tu:ne, torna, turna, torkʷere, tɔɪ, torɸer, tɔɸere, turser, tɔrsə, tɔarɸe, tɔbe, tumbar, tɔbə, tɔbar, tumba, tume, tene:re, tənɪ, tener, tenere, tɛ, ter, tɔni, tini, tinji, appekto:re, apretar, ɛpirtar, stringere, etɛdɛ, estɛnir, strindɛrɛ, əɸtrɪzɪr, əɸtrɪzɪr, əstɛnə, stringe, strɛngi:, strindɛ, frikta:re, fɔte, frotar, frettare, tergere, tɛɖere, ekstergere, estarsir, əstərzi, ʃterɖe, tirare, tiɛ, tirar, tirare, tira, tire, tira:, trahere, tɛ, trarre, traze, trɛzer, trɛwɾə, traj, traɖe, jaktare, zɔte, ɖettare, zejtar, xita, ɖete, apta:re, atar, ɛtar, komputa:re, kɔte, kontar, kontare, kɔtar, kumta, konta:, kanta:re, ʃate, kantar, kantare, kɛtar, kɔta, ʃate, canta:, kinta, flu:ktuare, flyktɛ, flugtwar, fluttuare, flutuə, flutuə, fluktua, fluctua, fluitare, fluitare, gɔatɸjare, ustulare, ustolare, ustura, tɔtus, tu, todo, tutto, todʊ, todu, tot, tɔ, dut, multus, molto, mɔju, mult, tantus, tanto, tɛtu, tɛtu, tant, tanc, alter, oɪ, otro, altro, owtru, altrə, ɔt, altri, alt, grant, la:tum, lato, latu, lat, pɛ:sant, pesante, pɛzat, pezant, pittitus, pɛti, pɛtit, piti, pittinus, pitɸino, pitulus, kurtus, korto, korto, kuɪtu, kurtu, kurt, kurt, angustus, angosto, angusto, ingust, striktus, etɪwa, estrefɔ, stretto, istreɸtu, iftreɸtu, əstɛt, stɔ:, stret, strimt, minu:tus, minuto, mɔnut, minu:t, mɔrunt, de:lika:tus, delikato, dɛlikat, subti:lem, sutil, sottile, suptil, sutɪ, sutɪ:l, vɛrt, vɛrt, tres, tɔwa, tres, tre, tref, tres, trɔ:, tre:, trej, kʷattwor, katɪ, kwatro, kwattro, kwatru, kwatrə, kwat, kwatri, patru, kwant, ɸemu:t, et
21	u:	tu:, u:hɛ, fru:ktus, lu:na, plu:, fu:mata, fuk, su:gere, tu:tari, tu:ne, eksu:ka:re, pu:si, lu:dere, flu:ktuare, bɔu:le, ku:, minu:tus, minu:t, du:ze, sutɪ, u:num, ɸemu:t
22	y	ty, fry, lyn, njɔly, fyne, syse, sysi:, kɔspye, zygye, gyra:re, flyktɛ, flye, bɔyle, mɔny
23	d	usted, domina, dam, do:na, dɔnna, donə, dɔnə, dɛm, dɔne, dɔamnə, maridu, ma:dre, pjodɖa, komedere, manduka:re, mandukar, morderɛ, mɔɪdɪ, mɔdere, mɔdɛ, mwardi, spuda:, kɔide, kwidar, kujda, kɛdɪ, dormi:re, dɔmɪ, dormir, dormire, dɔmɪ, durmir, durmi, dwəmi, durmi:, dormi, okki:dere, utʃidɛrɛ, utʃide, di:widere, dibidir, dividere, dividiðir, dibidi, dividi, divide, skindere, sɛde, ʃindere, findere, fāɪ, ender, fendere, fɛdɛ, fɛder, fɛndrə, pɛdɪ, radere, radere, rade, fodere, nadar, nadaɪ, nɔda, nadar, andar, andare, ɛdar, ekstendere, etāɪ, ekstender, estendere, istɛdɛ, iftɛder, əstendrə, ekstinde, sede:re, sedere, fedɛ, sedenta:re, tɔɪ, kadere, kadere, ɸjade, kɔɖe, ɛpɛdɪ, etɛdɪ, limpida:re, kudɪ, di:kere, diɪ, deθir, dire, dizer, di, di:, di:, lu:dere, ludir, arde:re, aɪdɪ, arder, ardere, aɪdɪ, ɛrder, arde, inkendere, ɛsāɖe, enθender, infɛndjare, isɛdjar, ənsendrə, infɛndze, todo, todʊ, dut, grandem, grande, grande, grɛdi, lurdus, lerdo, lordo, pezadu, menudo, miudu, de:lika:tus, du:ze, dɛɪaɔ, delikato, dewgadu, dɛɪaɔ, dɛlikat, wiridem, berde, verde, verdi, verde, duo:s, dɔ, dos, dojs, dɔ:, doj, duaj, due, dowə, duas, duɛs, duɛf, kʷid, kʷandɔ:, kwando, kwɛdu, kwand, kind, kʷo:modo

Appendix 3 - Segments used in the word list

24	f	fe:mina, fam, femmina, femev, femjv, fembra, fœm, fəmine, femeje, infantem, āfā, infante, fante, ifēfi, ifēti, efā, fruk:tus, fʁʉi, fruto, frutto, frutv, frujt, fry, frut, frukt, flo:rem, flœv, flor, fjo:re, flov, flv, flœv, flo:r, flo:are, fu:ma:ta, fyme, fumata, fuma:ta, fumasv, fumate, fokum, fœ, fwego, fwoko, fogu, foʁu, fœk, fœ, fu:k, fok, findere, fādʁ, fendere, fēdœ, fēder, fendrā, fēt, fodere, fwiv, frika:re, fʁeje, fregar, fregare, frəga, froj, frea, freka, iffrigar, iffriyar, frikta:re, fʁote, frotar, frettare, frisar, frəsa, flu:ktua:re, flyktq, flugtwar, fluttuare, flutuav, flutuar, fluktua, fluctua, fluita:re, fluitare, fluere, flye, fluir, fluire, flwiv, flwir, flui, flamma:re, flābe, flamear, fjammare, flāma, flagra:re, flagv, flagrar, flagrare, flagvav, flagrar, bvœf, bvœf
25	e:	fe:mina, ste:lla, tene:braj, tene:bras, morde:re, save:, pe:nsa:re, time:re, se:para:re, jake:re, dʒatfe:re, sede:re, torkʷe:re, tene:re, e:runka:re, e:numera:re, arde:re, omne:s, pe:sant, de:lika:tus, du:ze:, tre:s, tre:
26	m	fe:mina, fam, embra, femmina, femev, femjv, fembra, fœm, fəmine, femeje, mulierem, muxer, moλλe, muļev, muļer, muļe, muir, mujere, domina, dam, dœm, dʁamnā, hominem, ɔm, ombre, omēj, ɔmēj, ɔmā, ɔm, om, homo:, womo, infantem, mulier, muxer, moλλe, muļev, muļer, muļe, muir, mujere, maritus, mavi, marido, marito, maridu, marit, mari:t, mærit, ma:trem, mev, maðre, ma:dre, mēj, marā, mev, mari, piskem, awem, awikellum, passerem, flo:rem, so:lem, lakum, mare, mev, mar, mav, mar, mev, mar, sa:lem, ka:li:ginem, fu:ma:ta, fyme, fumata, fuma:ta, fumasv, fumate, kajlum, wentum, fokum, annum, no:men, no:me, nomi, nomi, nɔm, nume, no:minem, nombre, limbā, komedere, komer, kome, kumer, manduka:re, māze, mandukar, mandʒare, mēʒav, mēʒar, mæʒa, mari:, maŋʒa, minka, morde:re, moʁdʁ, moʁder, mɔrdere, moʁdœ, murder, mwardi, morsika:re, moskar, morsikare, musəga, musəgar, musəya, murseka, time:re, temer, temere, temev, timer, temā, temi, teme, tremere, tremar, tremare, tremev, trimer, trima:, dormi:re, dœmiv, dormir, dormire, dœmiv, durmir, durmi, dwavmi, durmi:, dormi, muviv, morir, morire, moʁev, muxer, muri, mæri, muri:, muri, maktare, mate, matar, matav, metar, mēta, matfa:, fəmine, kaminar, kamminare, kəmiʁav, kəmiʁar, kəmina, fʁimine, camina:, mavse, ma:rʃi:, mergere, merdʒere, merdʒe, ambita:re, tumbar, tumba, tume, eksprimere, ekspremir, spremer, ispremev, ispremer, əspremā, esprimi, skreme, limpidare, limpjar, impingere, impindʒere, əprejā, impindʒe, komputa:re, kumta, e:numera:re, enumev, enumerar, enumerare, enumera, numara, krema:re, kvame, kemar, kremare, kejmare, kejmav, krəma, flamma:re, flamear, fjammare, flāma, omne:s, multus, mu, muʃo, molto, mūjtu, mol, molc, mult, magnum, maʁo, maʁno, grandem, majjorem, mare, longum, largum, la:tum, amplum, ampjo, amplā, strimt, minu:tus, mæny, menudo, minuto, miudu, miuðu, mænut, minu, minu:t, mærun, subti:lem, vermikululus, vœmēj, bermexo, vermiλλo, vœmeļu, virmējļu, bœrmēļ, viridem, u:num, ekkumhi:k, kʷem, kʷo:modo, kōmā, komo, kome, komu, kōm, kōmē, fʁemu:t, kum

Appendix 3 - Segments used in the word list

27	a	<p>fe:mina, fam, embra, femmina, fembra, domina, dam, doṇa, dōnna, infantem, infante, fante, sponsa, esposa, spoza, ispoza, maritus, maṣi, mariḏo, marito, maridu, marit, marit, madre, marə, mari, pwasō, awem, abe, avi, aw, awikellum, wazo, passerem, paxaro, passero, paseru, pasere, naso, nas, nas, nariḡ, nariḡe, naris, luna, luna, stella, etwal, estreja, stella, ak^wa, aṡwa, akkwa, agwe, age, apə, pluwia, jubja, pjodḡa, lakum, lak, lago, lago, lagu, layu, lak, mare, mar, maṡ, mar, sal, sale, saw, sare, terra, tjera, terra, tsarə, kalina, kaliḡine, kalizēḡ, nebula, njebla, nebbja, tinjeblas, fuma:ta, fumata, fuma:ta, fumase, fumate, kajkia, annum, apo, anno, ap, aṡ, an, ling^wa, lengwa, lingwa, manduka:re, mandukar, mandḡare, mēḡaṡ, mēḡar, məṡa, maṡi, maṡa, minka, mwardi, moskar, morsikare, musəga, musəgar, musəya, murseka, sugaṡ, sugar, skujpa, esputar, sputare, sapere, savwaṡ, saber, sabəṡ, savə:ṡ, save:, kwidar, koḡitare, kuzitaṡ, kuzitar, kujda, kuḡeta, pensar, pensare, pēsaṡ, pēsar, pənsa, pəsa, tremare, dwaṡmi, via, nəga, neka, anegar, annegare, makta:re, mate, matar, mataṡ, metar, mēta, maḡa:, puṡar, puṡṡare, puṡa, battuere, batṡ, batiṡ, battere, bateṡ, batrə, bate, bati, kaptia:re, fase, kaḡar, katḡare, kasəṡ, kesar, kəsa, caḡa:, puxar, pulsare, puḡaṡ, puḡar, pulsa, segar, segare, segaṡ, siyar, səya, kortar, koṡtaṡ, kurtar, skortare, skurta, taxar, taḡḡare, taḡaṡ, teḡar, tēḡa, taja, təja, partire, paṡtiṡ, partir, partire, paḡḡiṡ, parti:, separa:re, separar, separare, separaṡ, siperar, səpəra, separa:, separa, raer, radere, waṡ, rawrə, rada:, rade, rasar, rasare, waṡaṡ, wəzar, rəza, rasa:, raskar, waḡkaṡ, wəḡkar, rəska, kosaḡ, kusar, kaware, kabar, kavare, kəvaṡ, kəvar, kəba, java:, ekskaware, eskabar, skavare, iḡkəvaṡ, iḡkəvar, zjava:, nata:re, nadar, nwotare, nadaṡ, nēḡar, nēḡa, nada:, navigare, naze, nabegar, navigare, naviyaṡ, naviyar, nəbəga, naviga:, naviga, bolar, volare, voaṡ, vwar, bula, zvolare, zbura, kaminar, kamminare, kəmiṡaṡ, kəmiṡar, kəmina, camina:, maṡse, ambita:re, andar, andare, ēḡaṡ, ēḡar, jake:re, jaḡer, ḡaḡe:re, zawrə, swaṡ, sentar, sētar, estar, stare, iḡtar, əsta, sta, jebar, levare, levaṡ, livar, ləba, lua, altiare, alḡar, altsare, aḡsa, aḡsar, əlsa, alḡa:, tornar, tornare, toṡnaṡ, turnar, turna, turna, xirar, ḡirare, zirar, zira, birar, virare, virar, bira, kadere, fwaṡ, kaer, kadere, kawrə, ḡjade, tumbar, tōbaṡ, tōbar, tumba, segurar, siguraṡ, siyurar, serar, səsa, sərar, səra, serare, ḡerar, serrare, siṡar, appektora:re, apretar, epirtar, fregar, fegare, frəga, frea, freka, iḡfrigar, iḡfriyar, frotar, frettare, frisar, frəsa, lawa:re, lave, laḡar, lavare, levar, lava:, la, estarsir, enxugar, affugare, ēḡugar, ēḡuyar, əfuga, uska, limpjar, lipar, tirar, tirare, ḡira, tira, trahere, trarre, traze, traḡe, jaktare, eḡar, ḡettare, zejtar, xita, lankea:re, lanḡar, lanḡare, lēsa, lēsar, lənsa, lancir, lanḡa:, arankar, arronḡare, arunḡa, legar, legare, liya, lega, apta:re, atar, etar, kontar, kontare, kōtar, kumta, enumerar, enumerare, enumera, numara, kantare, kantar, kantare, kētar, kənta, cantar, kinta, xugar, ḡokare, zogəṡ, zuyar, zuga, zuka, flugtwar, fluttuare, flutuəṡ, flutuar, fluktua, fluctua, fluitare, kolar, kolare, koaṡ, kuar, kuḡa, elar, ḡelare, zilar, zəla, ḡale, glakia:re, glase, ḡatḡjare, gləsa, glaḡa:, inglakia:re, ingetsa, brufare, kəame, kəmar, kremare, kəjmare, kəjmaṡe, krəma, flamma:re, flamear, fjammar, flama, ardere, aṡḡ, arder, ardere, aṡḡ, arde, flagra:re, flagṡe, flagrar, flagrare, flagṡaṡ, flagrar, inḡendjare, isendḡar, isēḡar, ustolare, ustura, tantus, tanto, tant, tanc, alguno, alkuno, awḡ, aḡḡ, alter, altro, altrə, altri, alt, alius, aw, aḡ, magnum, maṡo, maṡṡo, grandem, grande, grande, gran, grant, mare, largum, laḡz, larḡo, largo, laḡgu, largu, larḡ, lark, larg, lato, latu, lat, amplum, anḡo, ampjo, amplə, grawis, gṡav, grabe, gravi, gravi, grav, pe:sant, pesaḡo, pesante, pezadu, pizaḡu, pəzat, pezant, angustus, angosto, angusto, etṡwa, deḡyaḡo, delikato, dewgadu, deḡyaḡu, dəlikat, duas, k^wattwor, katṡ, kwatro, kwattro, kwatru, kwatrə, kwat, kwatri, patru, aki, la, aja, əḡa, ai, kwa, k^wando:, kwando, kwan, kwand, kwant</p>
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Appendix 3 - Segments used in the word list

28	r	embra, fembra, muxer, muſer, ombre, muxer, muſer, mariðo, maridu, mæriðu, marit, maðre, marø, paxaro, pasæru, pasære, fruto, frutø, frujt, flor, fjø:re, flqare, narið, naris, nærif, sqare, estreja, istrelø, iftrele, mar, trævøf, tænebræs, fjer, nombre, beber, bere, bißer, bæwrø, komer, kumer, mandukar, mandğare, mēzar, morðer, murðer, moskar, morsikare, sugar, kuſpir, eskupir, esputar, sputare, saber, sæber, konoðer, kuñiser, kwidar, kuzitar, pensar, pensare, pēsar, temer, timer, tremer, tremø, trimer, dormir, durmir, bibir, viver, biwrø, morir, muſer, muri, anegar, matar, mētar, uttfidere, pupar, batir, bēter, batrø, kaðar, kesar, puxar, pufar, segar, siyar, kortar, kurtar, taxar, tēlar, dibidir, dividiðir, ender, fēder, fēndrø, partir, pørtir, separar, separaø, siperar, sèpøra, pūzir, raer, røer, rawrø, rasar, røzar, raskar, røfkar, kusar, kabar, kavar, eskabar, ifkavar, nadar, nwotare, neðar, nabegar, neviyar, bolar, volare, vwar, zvolare, zbura, kaminar, kamminare, keminar, andar, ēdar, benir, venire, vir, ekstender, iftēder, æstendrø, jaðer, đaſe:re, zøzer, zawrø, ser, sentar, sētar, estar, iftar, jebat, livar, alðar, ałsar, tornar, turnar, xirar, đirare, zirar, zira, birar, virare, virar, bira, torðer, kaer, kadere, koir, tumbat, tōbat, tener, tenere, ter, segurar, siguraø, siyurar, ekspremir, æspremø, serar, sèkar, ðerar, siyar, apretar, epirtar, estrepir, æstrepø, fregar, frøga, iffrigar, iffriyar, frotar, frisar, frøsa, laðar, lvar, estarsir, enxugar, ēfugar, ēfuyar, limpjar, lipar, tirar, fira, tira, traze, trezer, trawrø, eſar, zejtat, lanðar, lēsar, arankar, aruñka, legar, atar, etar, koser, kuzer, kontar, kōtar, enumerar, enumera, deðir, dizer, kantar, kētar, ludir, xugar, zuyar, flugtwat, flutuar, fluir, flwir, kolar, kuar, eskurir, ifkurer, skurðe, korer, kuſer, kurðe, elar, zilar, kemar, kējmæ, flamear, arder, erder, arde, flagar, flagarar, enðender, isenðjar, isēðjar, ænsendrø, otro, owtru, altrø, grande, grēðji, grēdi, mare, laryo, largu, łark, grabe, gravi, gravi, grew, grew, lerdo, korto, kurtu, kurt, brebe, brevi, brew, estrefo, istrejtø, iftrejtø, æstret, rofu, bermexo, virmejlu, berde, verdi, vert, verde, tres, tref, kwatro, kwatru, kwatrø
29	v	femeø, femje, done, ifpoze, mæriðu, pasæru, frutø, narið, luø, istrelø, iftrele, agwø, juvø, tæwø, tæwø, keližē, nevwo, trævøf, fumasø, enu, ligwø, sæber, mētar, bēter, kesar, tēlar, pørtir, siperar, røer, røzar, røfkar, kavar, ifkavar, ifkavar, neðar, neviyar, keminar, keminar, zøzer, zøzer, koir, epirtar, lvar, trezer, etar, erder, duø, duøf, eki, ei
30	œ	fœm, dœm, flœø
31	ε	femine, efā, pes, pehø, uttfello, uttfjel, æstel, stele, mæø, sel, terra, tæwø, terø, tjere, nevwo, tenebø, trævøf, sjel, felo, sew, sel, vento, lenge, bæwrø, sæbe, kœnetø, kuneſø, fesi: teji, fendere, fēndrø, neðji: merðere, estendere, etø, es, spremere, sere, æstrepø, strengi: terðere, tæwø, trawrø, æmprepø, đete, inffendjare, greve, grevi, bæf, breve, brevi, brevi, æstret, stret, deſyaðu, vœmæj, bærmæl, vert, vœø, vert, tres, ke, ε
32	l	mulierem, mulier, awikellum, uttfello, uttfjel, flo:rem, flœø, flor, floø, flø, flø:ø, flo:r, flqare, so:lem, sol, sole, söl, sölø, solikulus, sölēj, soreli, luna, lyn, luna, luø, løn, lune, lunø, stella, etwal, stella, istrelø, iftrele, æstel, støl: stele, pluwia, plqi, pluzø, pluø, ploje, ploaje, lakum, lak, lago, lago, lagu, layu, lat: sa:lem, sel, sal, sale, sa:l, ka:li:ginem, kalina, kaliðine, kaližē, keližē, nebula, njoly, njebla, newlø, tinjeblas, kajlum, sjel, ðjelo, felo, sel, fi:l, lingwa, lōg, lenggwa, lingwa, ligwø, lēy, lenge, limbø, pulsa:re, pulsare, pulsa: pulsa, ta:lia:re, jugula:re, zygye, jugula:re, çavle, wola:re, vole, bolar, volare, bula, vøle, zvolare, zvola: le:are, løve, le:are, le:ø, livar, le:ø, lua, alti:re, alðar, altsare, əlsa, altfa: lawa:re, lave, laðar, lavare, lvar, lava: la, limpida:re, limpjar, lipar, pulsa: lanke:re, lōse, lanðar, lanfare, lēsa, lēsar, lanci: lanfa: liga:re, lie, legar, legare, lōji: lea: lega, lu:dere, ludir, flu:ktua:re, flyktø, flugtwat, fluttuare, flutuø, flutuar, flu:ktua, fluctua, fluita:re, fluitare, fluere, flye, fluir, fluire, flwiø, flwir, flui, ko:lare, kule, kolar, kolare, køle, gela:re, zøle, elar, đelare, zilar, zøla, đale, glakia:re, glase, gløsa, glaſa: inglakia:re, bøyle, bøyle, flammare, flōbe, flamear, flagra:re, flagø, flagar, flagare, flagøø, flagar, ustula:re, ustolare, multus, molto, mol, molc, mult, alguno, alkuno, əlgu, alter, altro, altrø, altri, alt, alius, longum, lō, longo, lungo, lōgu, lō, lunk, lung, largum, laøz, laryo, largo, laøgu, largu, lark, larg, latum, le, lato, latu, lat, amplum, āpl, amplø, lurdus, luø, lerdo, lordo, pitulus, pikkolo, pitful, de:lika:tus, deſyaðu, delikato, dēlikat, subtil:lem, sutil, sottile, suptil, suti:l, vermikulus, 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, mærit, ma:trem, ma:dre, mari, passerem, passero, fruk:tus, frutto, frut, frukt, flo:rem, flo:r, nari:fe, na:rīs, soreli, mare, mar, ma:r, sare, terra, tjera, terra, tērā, tjere, tsarā, negurā, tene:braj, tē:nebre, tene:bra:s, tē:nebre, bibere, komedere, manduka:re, morde:re, mōrdere, mwardi, morsika:re, morsikare, musəgar, murseka, su:gere, konspuere, sputere, ski:re, sapere, kogno:skere, konoffere, ko:gita:re, kođitare, 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:tari, makta:re, okki:dere, pugna:re, puṇṇare, battuere, battere, kaptia:re, katf:are, pulsa:re, pulsare, sek:a:re, segare, kurta:re, ekskurta:re, skortare, skurta:, skurta, ta:lia:re, ta:lla:re, di:widere, dividere, skindere, findere, findere, fendere, parti:re, partire, pærti, parti:, se:para:re, separare, separa:, separa, pungere, punđere, jugula:re, jugula:re, ra:dere, raer, radere, rawrā, rada:, rade, rasar, rasare, rāza, rasa:, raskar, raska, fodere, kaware, kavare, ekskawa:re, skavare, nata:re, naviga:re, navigare, wola:re, mergere, merđere, merđe, ambita:re, andare, weni:re, ekstendere, estendere, jake:re, đere, sedere, sedere, sedenta:re, sta:re, stare, levare, levare, altia:re, altsare, torna:re, tornare, turna, tu:rne, torna:, turna, gyra:re, đirare, đira:, virare, torkw:ere, tōrtfere, turser, tōrsā, tōartfē, kadere, kawrā, tene:re, esprimere, spremere, iṣpramēx, iṣpramer, esprimi, skreme, serrere, serar, sēra, serare, ōerar, serrare, appekto:re, stringere, strindžere, əṣtrizir, əṣtrizir, stringe, strēngi:, strindže, frika:re, fregare, froj, frea, freka, frikta:re, frettare, frisar, laware, lavare, tergere, terđere, ekstergere, əstərzi, sterđe, eksuka:re, affugare, limpida:re, tirare, tirare, tire, tira:, trahere, trarre, traj, trađe, impingere, impindžere, jaktare, đettare, lankea:re, lanf:are, erunka:re, arankar, arronf:are, liga:re, legare, apta:re, ko:nsuere, kuṭf:are, komputa:re, kontare, e:numera:re, enumerare, numara, di:kere, dire, ekspo:nere, sporre, kantare, kantare, ludere, joka:re, đokare, flu:kтуа:re, fluttuare, fluita:re, fluitare, fluere, fluire, ko:lare, kolare, ekskurrere, eskuri:, skorrere, əskorā, skori:, kurrere, korer, korrere, korā, kori, gela:re, đelare, glakia:re, gjattfjare, inglakia:re, bruṭfare, bruza:, krema:re, kremare, krōma, flamma:re, fjammare, arde:re, ardere, flagra:re, flagrare, inkendere, inṣendjare, ustula:re, ustolare, ustura, alter, altro, altri, grandem, grande, gran, grant, majjorem, largum, largo, lark, larg, grawis, greve, grav, grēvi, lurdus, lordo, kurtus, korto, kurt, brewis, brēve, striktus, stretto, stret, strimt, mærunṭ, subsire, ruber, rubro, russus, roxo, rosso, ros, rōs, vermikulus, vermi:λλo, bərme:λ, rubeus, rubjo, rōbbjo, rubeo, ruđe, rōḟ, rojb, wiridem, verde, vert, tres, tre, trēs, trō:, tre:, trej, k ^w attwor, kwattro, kwatri, patru
34	x	muxer, muxer, paxaro, puxar, taxar, xirar, enxugar, xita, xugar, roxo, bermexo
35	λ	moλλe, muλe, muλer, muλe, moλλe, muλe, muλer, muλe, useλ, λuna, λak, taλλa:re, taλa, tēλar, tēλa, λēba, λēnsa, λiγa, λoγ, λark, vermiλλo, vērmeλu, virmejλu, bərme:λ, əλa
36	в	muλe, muλe, ma:vi, me:vi, fūqi, flōe, flo:vi, flō:vi, plu:vi, me:vi, ma:vi, me:vi, te:vi, te:vi, tene:vi, si:vi, bwa:vi, bebe:vi, bō:vi, mēzav, mo:vi, sugav, kuspi:vi, savwa:vi, sabev, kōnetv, kopese:vi, kuzita:vi, pēsav, temev, kēdēv, tremev, dōvmi:vi, dōvmi:vi, dwa:vi, vivv, vive:vi, mu:vi, mo:vi, mu:vi, mata:vi, əksi:vi, batv, bate:vi, kasav, pu:vi, segav, ko:vi, eku:te, taλa, đividi:vi, fādēv, fēdēv, pavti:vi, pavti:vi, sāvve, separav, pōdēv, pūzi:vi, va:vi, vō:vi, vāze, vāzav, vōzav, vafkav, vefkar, fwiv, kevav, iṣkevav, nada:vi, navi:vi, vo:vi, kēmi:vi, ma:vi, ēdāv, vō:vi, vō:vi, etādēv, istēdēv, zezi:vi, zeze:vi, swav, se:vi, etv, levav, tu:vi, to:vi, ziv, vō:vi, tōdēv, fwa:vi, tōbav, tō:vi, te:vi, sigura:vi, epēdēv, iṣpramēv, se:vi, se:vi, si:vi, etēdēv, fōje, fōte, tiv, tēv, kudv, enume:vi, di:vi, di:vi, zogav, flutuav, flwiv, koav, iṣkovēv, ku:vi, kovēv, ku:vi, bōyle, bō:le, kvame, kejma:vi, avdēv, avdēv, flagv, flagvav, otv, gōd, gōd, lavz, lavgu, gōv, luv, kuv, kuvtu, ku:vi, bōef, bōef, etkwa, stō:vi, vu, vōfō, vōfu, vōmej, vōme:vi, kuv, vōv, vōv, tōwa, katv
37	i:	mui:r, mui:r, mari:tus, mari:t, ka:li:ginem, si:vi, fi:l, ma:vi, sysi:, ski:re, dormi:re, durmi:, wi:were, muri:, okki:dere, ṭesi:, teji:, di:widere, parti:re, parti:, neđji:, ma:ṭfi:, weni:re, vi:vi, hō:si:, strēngi:, pu:si:, lanci:, lōji:, di:kere, di:vi, di:, skori:, subti:lem, suti:l, k ^w ink ^w e, ekkumhi:k, ibi:, ki:, si:k
38	п	do:pa, ni:po, apo, ap, mēzav, ma:vi, kopese:vi, kupiser, koposi, pu:vi, puṇṇare, pu:vi, pu:vi, kēmi:vi, kēmi:vi, vi:vi, estre:vi, əstre:vi, əpre:vi, oṇi, ma:po, ma:po, peke:po
39	qa	do:amno, flo:are, so:are, plo:aje, kunqafte, tōartfē, co:ase
40	h	hominem, homo:, pēhō, u:hē:, kinōh, hō:si:, trahere, ekkumhi:k
41	ēj	omēj, əmēj, nenēj, kalizēj, kēj, nēj
42	ō	ō, nō, kōspye, lō, nō
43	ā	āfā, efā, vā, ā, lāg, māze, pāse, fādēv, etādēv, lāse, fāte, ṭāte, flābe, ēsādje, gōd, gōd, āpl, pōzā, kā, kōmā
44	ī	iṣṭfi:, iṣṭti, ligwē, əṣtrizir, əṣtrizir, lipar, iṣendjā:vi, iṣēdjar, si:ku
45	ē	iṣṭfi:, iṣṭti, mēzav, mēzav, ēdāv, ēdāv, lēsa, lēsar, kētar, tētu, tētu, grēdji, grēdi, ēfu, kwēdu

Appendix 3 - Segments used in the word list

46	f	ifēfi, sɔfɔ, utfello, utfjel, nariŋe, fēatfə, fɛlo, fɪ:l, fɛr, matfa:, utfidere, ufide, katfare, fɛsi:, catfa:, paʃfɪʃ, fɪmine, ma:ʀfɪi, dʒaʃe:re, zəʃɛa, tɔʃfere, tɔartfɛ, fɛ:r, fɪjade, fɪra, eʃar, lanʃare, lanʃa:, arronʃare, kuʃire, ziʃe, fɔte, gʒatʃjare, glaʃa:, bruʃare, inʃendjare, inʃindʒe, muʃo, anʃo, pitʃino, piʃful, estreʃo, suʃiw, rɔʃ, fɪŋkwe, fɪŋk, fɪnʃ, fɪne, fɛ, fɛmu:t
47	i	ifēti, iʃpozɐ, iʃpozu, peʃʃi, avi, iʃtrele, vint, nomi, biʃer, minka, kupiser, timer, trimer, siyar, sipɛrar, naviʏaʃ, nɛviʏar, iʃtar, livar, siguraʃ, siyuraʃ, siʒar, ɛpirtar, strindʒe, iʃfrigar, iʃfriʏar, impindʒe, kinta, zilar, ingetsa, inʃindʒe, grɛdi, gravi, pizaðu, pikenu, brɛvi, ingust, iʃtrɛjtu, strimt, virmɛjlu, verdi, ki, kind
48	p	sponsa, epuz, esposa, spɔza, ispoza, iʃpozɐ, əspɔzə, sponsus, epu, esposo, spɔzo, ispozu, iʃpozu, əspɔs, spo:s, piskem, peθ, peʃfe, peʃʃi, peʃʃi, peʃ, pes, peʃte, pwasð, pɛhð, passerem, paxaro, passero, paseru, pasərə, apə, pluwia, plɪi, pjodʒa, pluʒə, plu:ʒ, ploje, konspuere, kɔspye, kuspɪʃ, kufpɪr, eskupɪr, əskupi, skujpa, sputere, esputar, sputare, spuda:, sapere, pɛnsa:re, pāse, pensar, pensare, pɛsaʃ, pɛsar, pənsa, pɛse, pɛnsa:, pəsa, pugna:re, puɲar, puɲare, puɲa, kaptia:re, pulsa:re, puse, puxar, pulsare, puʃaʃ, puʃar, pulsa:, pulsa, parti:re, paʃtiʃ, partir, partire, paʃfɪʃ, pɛrtir, pɔrti, pɔ:rti, parti:, se:para:re, separar, separare, separaʃ, sipɛrar, səpəra, separa:, separa, pungere, pwɛdɔ, punʒere, pūziʃ, pūzir, puni, punʒe, eksprimere, ɛpɛdɔ, ekspremir, sprɛmere, iʃprɛmɛʃ, iʃprɛmer, əspremə, esprimi, apɛkto:re, apretar, ɛpirtar, limpida:re, limpjar, lipar, puse, pu:si:, pulsa:, impingere, impindʒere, əmpɛrə, impindʒe, apta:re, komputa:re, ekspɔ:nere, sporre, spune, paʏkus, pɔ, poko, powku, pɔk, pɔ, pɔ:k, amplum, ɔpl, ampjo, amplə, pɛ:sant, pɔzð, pesaðo, pesante, pezadu, pizaðu, pəzat, pezant, pittitus, pəti, pətit, piti, pittinus, pekeɲo, pitʃino, pekenu, pikenu, putsin, pitulus, pikkolo, piʃful, suptil, patru
49	z	epuz, spɔza, ispoza, iʃpozɐ, əspɔzə, spɔzo, ispozu, iʃpozu, wazo, ʏaze, ʏazaʃ, ʏezar, rəza, zʒava:, zvolare, zvolar, zbura, zeziʃ, zezeʃ, zezer, zəʃɛa, traze, trɛzer, kuzer, kuzi, kɔ:z, kuzi, dizer, ziʃe, bruza:, pəzð, pezadu, pizaðu, pəzat, pezant
50	ð	mariðo, mɛriðu, maðre, morðer, murðer, diviðir, nɛðar, toðu, pesaðo, pizaðu, miuðu, dɛʏaðo, dɛʏaðu
51	k	sokius, piskem, awikellum, fru:ktus, frukt, solikulus, akkwa, lakum, lak, ʏak, ka:li:ginem, kalina, kaliʒine, kaliʒɛj, kɛliʒɛj, kajkia, kajlum, fokum, fʏwɔko, fɔk, fu:k, fok, komedere, komer, kome, kumer, manduka:re, mandukar, minka, morsika:re, moskar, morsikare, murseka, konspuere, kɔspye, kuspɪʃ, kufpɪr, eskupɪr, əskupi, skujpa, ski:re, kogno:skere, kɔnetɔ, konoθer, konoffere, kopeseʃ, kupiser, kuneʃə, kinɔh, koposi, kunʒaʃte, ko:gita:re, kɔide, kwidar, koʒita:re, kuzitaʃ, kuzitar, kujda, kuʒeta, kɛdɔ, neka:re, neka, makta:re, okki:dere, əksiʃ, uksi, kaptia:re, kaθar, katfare, kasəʃ, kɛsar, kəsa, seka:re, kurta:re, kortar, kɔtaʃ, kurtar, ekskurta:re, ekʏte, skortare, skurta, skurta, skindere, raskar, ʏaʃkaʃ, ʏɛʃkar, rəska, kosaɹ, kusar, kawa:re, kabar, kavare, kɛvaʃ, kɛvar, kəba, ekskawa:re, eskabar, skavare, iʃkɛvaʃ, iʃkɛvar, kaminar, kamminare, kɛmɪnaʃ, kɛmɪnar, kəmina, ekstendere, ekstender, ekstinde, jake:re, kadere, kaer, kadere, kɛir, kawrə, kəɟa, eksprimere, ekspremir, skreme, apɛkto:re, frika:re, freka, frikta:re, ekstergere, eksu:kare, uska, jaktare, lankea:re, ɛrunka:re, arankar, aruɲka, ko:nsuere, kudɔ, koser, kuʃire, kuzer, kuzi, kɔ:z, kuzi, komputa:re, kɔte, kontar, kontare, kɔtar, kumta, kontar, di:kere, ekspɔ:nere, kanta:re, kantar, kantare, kɛtar, kənta, kinta, joka:re, ʒokare, zuka, flu:ktua:re, flyktɥe, fluktua, ko:la:re, kule, kolar, kolare, koaʃ, kuar, kuʃa, kɔle, ekskurrere, eskurir, skorrere, iʃkɔvɛʃ, iʃkʏrer, əskorə, skori:, skurʒe, kurrere, kuʏiʃ, korer, korrere, kɔvɛʃ, kuʏer, korə, kori, kurʒe, glakia:re, inglakia:re, kremare, kɛame, kɛmar, kremare, kɛjmare, kɛjmaʃe, krəma, inkendere, okɛ, alkuno, paʏkus, poko, pɔko, powku, pɔk, pɔ:k, lunk, ʏark, lark, pekeɲo, pekenu, pikenu, pikkolo, kurtus, kuʃ, korto, korto, kuʏtu, kurtu, kurt, ku:ʃ, kurt, striktus, de:lika:tus, delikato, dɛlikat, vermikulus, katɔ, kwatro, kwattro, kwatru, kwatrə, kwat, kwatri, sɛk, θinko, fɪŋkwe, siku, siɲk, fɪŋk, ekkumhi:k, aki, kwi, ɛki, illa:k, ki, ki:, kwi, kjen, kɛj, kɛj, kwa, ke, ki, ke, kwɛ:, kɔ, kwando, kwɛdu, kwan, kwand, kwant, kind, kɔmð, komo, kome, komu, kɔm, kɔmɛ, kum, nek, si:k
52	ts	sots, tsarə, altsare, tsine, ingetsa, putsin, subtsire

Appendix 3 - Segments used in the word list

53	a:	ma:trem, ma:dre, na:sus, na:so, na:s, na:ris, la:t, ma:r, sa:lem, sa:l, ka:li:ginem, tene:bras, fu:ma:ta, fuma:ta, manduka:re, maɲja:, morsika:re, cuca:, spuda:, ko:gita:re, pe:nsa:re, peɲsa:, trima:, neka:re, tu:ta:ri, makta:re, maɬa:, pugna:re, kaptia:re, caɬa:, pulsa:re, pulsa:, seka:re, sea:, kurtare:, ekskurta:re, skurta:, ta:lia:re, ta:lla: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:ɾɸi:, ambita:re, sedenta:re, senta:, sta:re, sta:, leva:re, leva:, altia:re, altfa:, torna:re, torna:, gyra:re, ɟira:, appekto:re, frika:re, frikta:re, lawa:re, lava:, eksu:kare:, suja:, limpida:re, tira:re, tira:, pulsa:, jakta:re, lankea:re, lanɬa:, e:runka:re, liga:re, lea:, apta:re, komputa:re, konta:, e:numera:re, kanta:re, canta:, joka:re, ɟuja:, flu:kтуа:re, fluita:re, ko:la:re, gela:re, glakia:re, glaɬa:, inglakia:re, bruza:, kremare:, flamma:re, flagra:re, ustula:re, la:tum, de:lika:tus, illa:k
54	ẽj	mẽj, kelizẽj, kẽj, nẽj
55	ɾ	meɾ, fry, savø:ɾ, mɔ:ri, pɔ:rti, ma:ɾɸi:, ɸe:ɾ, səɾaɾ, sɛɾe, ifkurer
56	θ	peθ, nariθ, θjelo, konoθer, kaθaɾ, jaθer, alθaɾ, toɾθer, θeraɾ, lanθaɾ, deθiɾ, enθender, θinko
57	ej	pejfi, zejtar, kejmave, istrejtu, trej
58	ej	pejfi, kejmave, iftrejtu, vimẽjɬu
59	õ	pwasõ, pẽhõ, nõ, tõbe, tõbaɯ, tõbaɾ, kõte, kōtar, põ, õt, lõgu, lõ, õ
60	ɛ:	u:hɛ:, ɛ:w, tɛ:ɯ, tɛ:nebre, tɛ:nebre, ɸe:ɛ:ɾ, kwe:
61	ɸ	fɯɸi, plɸi, kɸide, tɸe, esɸije, flyktɸe
62	ø:	flø:ɯ, stø:l, fø:, bø:ɯ, savø:ɾ, kø:z, stø:, dø:, trø:
63	ɭ	sɭɭ, aɭsa, aɭsaɾ, kuɭa, ɭama, aɭgũ, aɭ, deɭyaðu
64	ej	sɔlej, fɛje, vɛmej
65	ø	løn, fø, pø, dø
66	ɛa	stɛa, ɸeaɬə, bæa, zəɸɛa, fedɛa, kəɛa
67	k ^w	ak ^w a, tork ^w e:re, k ^w attwor, k ^w i:ɲk ^w e, k ^w is, k ^w em, k ^w id, k ^w ando:, k ^w o:modo
68	ɣ	aɣwa, aɣwə, laɣu, foɣu, musəɣa, siɣaɾ, səɣa, naviɣaɯ, neviɣaɾ, siɣuraɾ, iffriɣaɾ, ɛɸuɣaɾ, ɭiɣa, zuɣaɾ, laɣo, deɣaðu, deɣaðu
69	aj	aɣwə, tene:braj, kajkia, kajlum, nwaje, traj, majjorem, duaj
70	g	age, lago, lɛnge, pugna:re, segaɾ, segare, jugula:re, naviga:re, naviga:, mergere, gyra:re, stringere, stringe, strɛngi:, fregare, impingere, lega, xugaɾ, glaɬa:, ingetsa, flagɯaɯ, alguno, magnum, grandem, gran, gɯã, grant, longo, lung, largum, larg, grav, grɛvi, grew, ɲgust
71	ẽ	vẽtu, vẽ, pẽsaɯ, pẽsaɾ, kɛɛdɯ, fẽɛdɯ, fẽɛder, istẽɛdɯ, iftẽɛder, sẽtaɾ, ɛɸugaɾ, ɛɸuɣaɾ, ɲsɛɛɟaɾ, sɛk, nẽ
72	ɲ	aɲ, nɔɲ, lɛɲgwa, maɲja:, peɲsa:, aɾuɲka, ɭɔɲ, ɲgust, uɲ, ɸɲkwe, sɲk, ɸɲk
73	g ^w	ling ^w a
74	ẽu	lẽu
75	a	bwaɯ, taje, ɯaze, tɯwa
76	β	biβer, səβɛ, laβaɾ
77	ɸ	maɲja:, java:, zjava:
78	c	cuca:, caɬa:, camina:, lanci:, cɔase, canta:, fluctua, molc, tanc
79	ẽ	pẽse, sɛɛde, fẽt, pwẽɛdɯ, epɛɛdɯ, etɛɛdɯ, ɛsɛɛɟe, kɔmẽ
80	ɔ:	pɔ:rti, hɔ:si:
81	ũ	pũziɯ, pũziɾ, mũjtu, awgũ, aɭgũ, ũ
82	ɭ	kosaɭ
83	ç	çɑ:vle
84	ɑ:	çɑ:vle
85	j	mũjtu
86	œ	okœ, œ
87	aɯ	paɯkus
88	ɯ	ɯofɯ
89	ẽw	nẽw

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:-mi-n-a	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	homi-nem	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
Fish-Piskem	piskem	p-e-s-k-ay-m
Bird-Avem	awem	ah-w-ay-m
Bird-Avicellum	-awi-k-ellum	ah-w-e-k-ay-l-l-u-m
Bird-Passerem	passerem	p-ah-s-s-ay-r-ay-m
Fruit	fru:-ktus	f-r-U-k-t-u-s
Flower	flo:rem	f-l-O-r-ay-m
Nose	na:sus	n-A-s-u-s
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	-st-e:lla	s-t-ai-l-l-ah
Water	a-k ^w -a	ah-kw-ah
Rain	plu-wia	p-l-u-w-e-ah
Lake	lakum	l-ah-k-u-m
Sea	mare	m-ah-r-ay
Salt	'sa:lem	s-A-l-ay-m
Earth	t-erra	t-ay-r-r-ah
Fog	ka:li:ginem	k-A-l-E-g-e-n-ay-m
Fog-Nebula	n-e-bula	n-ay-b-u-l-ah
Fog-Tenebrae	tene:braj	t-ay-n-ai-b-r-aj_diphthong
Fog-Tenebras	t-en-e: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	'k-ajlum	k-aj_diphthong-l-u-m
Wind	w-entum	w-ay-n-t-u-m
Fire-Focus	f-okum	f-oh-k-u-m
Year	annum	ah-n-n-u-m
Name-Nomen	no:men	n-O-m-ay-n
Name-Nominem	no:min-em	n-O-m-e-n-ay-m
Tongue	ling ^w -a	l-e-n-gw-ah
ToDrink	'bib-ere	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	m-orde: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

Appendix 4 - Word Lists by Language

To Spit-Sputare	-sputere	s-p-u-t-ay-r-ay
To Know	ski:re	s-k-E-r-ay
To Know-Sapere	sap-ere	s-ah-p-ay-r-ay
To Know-Cognoscere	kogno:skere	k-oh-g-n-O-s-k-ay-r-ay
To Think	k-o:gita:re	k-O-g-e-t-A-r-ay
To Think-Pensare	pe:nsa:re	p-ai-n-s-A-r-ay
To Fear	time:re	t-e-m-ai-r-ay
To Fear-Tremere	trem-ere	t-r-ay-m-ay-r-ay
To Sleep	d-ormi:re	d-oh-r-m-E-r-ay
To Live	wi:were	w-E-w-ay-r-ay
To Kill	n-eka:re	n-ay-k-A-r-ay
To Kill-Tutari	tu:-ta:ri	t-U-t-A-r-e
To Kill-Mactare	makta:re	m-ah-k-t-A-r-ay
To Kill-Occidere	okki:dere	oh-k-k-E-d-ay-r-ay
To Fight	pugna:re	p-u-j-n-A-r-ay
To Fight-Battuere	battuere	b-ah-t-t-u-ay-r-ay
To Hunt-Captiare	kaptia:re	k-ah-p-t-e-A-r-ay
To Hit	pulsa:re	p-u-l-s-A-r-ay
To Cut	s-eka:re	s-ay-k-A-r-ay
To Cut-Curtare	kurta:re	k-u-r-t-A-r-ay
To Cut-Excurtare	ekskurta:re	ay-k-s-k-u-r-t-A-r-ay
To Cut-Taliare	ta:lia:re	t-A-l-e-A-r-ay
To Split	di:widere	d-E-w-e-d-ay-r-ay
To Split-Scindere	skindere	s-k-e-n-d-ay-r-ay
To Split-Findere	findere	f-e-n-d-ay-r-ay
To Split-Partire	parti:re	p-ah-r-t-E-r-ay
To Split-Separare	se:para:re	s-ai-p-ah-r-A-r-ay
To Stab	p-ungere	p-u-n-g-ay-r-ay
To Stab-Iugulare	jugula:re	jg-u-g-u-l-A-r-ay
To Scratch	ra:dere	r-A-d-ay-r-ay
To Dig	fodere	f-oh-d-ay-r-ay
To Dig-Cavare	kawa:re	k-ah-w-A-r-ay
To Dig-Excavare	ekskawa:re	ay-k-s-k-ah-w-A-r-ay
To Swim	n-ata:re	n-ah-t-A-r-ay
To Swim-Navigare	naviga:re	n-ah-v-e-j-A-r-ay
To Fly	wola:re	w-oh-l-A-r-ay
To Walk-Mergere	mergere	m-ay-r-j-ay-r-ay
To Walk-Ambitare	ambita:re	ah-m-b-e-t-A-r-ay
To Come	weni:re	w-ay-n-E-r-ay
To Lie As In A Bed	ekstendere	ay-k-s-t-ay-n-d-ay-r-ay
To Lie As In A Bed-lacere	ja-ke:re	jg-ah-k-ai-r-ay
To Sit	s-edere	s-ay-d-ai-r-ay
To Sit-Sedentare	sedenta:re	s-ay-d-ay-n-t-A-r-ay
To Stand	-sta:re	s-t-A-r-ay
To Stand-Levare	leva:re	l-ay-v-A-r-ay
To Stand-Altiare	-altia:re	ah-l-t-e-A-r-ay
To Turn Intransitive	torna:re	t-oh-r-n-A-r-ay
To Turn Intransitive-Gyrate	gyra:re	j-eeh-r-A-r-ay
To Turn Intransitive-Torquere	tork*re	t-oh-r-kw-ai-r-ay
To Fall	k-adere	k-ah-d-ay-r-ay
To Hold	ten-e:re	t-ay-n-ai-r-ay
To Squeeze	eksprim-ere	ay-k-s-p-r-e-m-ay-r-ay
To Squeeze-Serrere	serrere	s-ay-r-r-ay-r-ay
To Squeeze-Serare	se-rare	s-ay-r-ah-r-ay
To Squeeze-Appetere	appetora:re	ah-p-p-ay-k-t-oh-r-A-r-ay
To Squeeze-Stringere	-stringere	s-t-r-e-n-j-ay-r-ay
To Rub	frika:re	f-r-e-k-A-r-ay

Appendix 4 - Word Lists by Language

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	eks-u:k-a:re	ay-k-s-U-k-A-r-ay
ToWipe-Limpidare	limpida:re	l-e-m-p-e-d-A-r-ay
ToPull	tira:re	t-e-r-A-r-ay
ToPull-Pulsare	pulsa:re	p-u-l-s-A-r-ay
ToPull-Trahere	trahere	t-r-ah-h-ay-r-ay
ToPush	impingere	e-m-p-e-n-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:n-suere	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	ekspo:nere	ay-k-s-p-O-n-ay-r-ay
ToSing-AncestralClass	kanta:re	k-ah-n-t-A-r-ay
ToPlay-Ludere	lu:dere	l-U-d-ay-r-ay
ToPlay-Jiocare	jo-ka: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	gla-kia: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	inkend-ere	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	magnum	m-ah-j-n-u-m
Big-Grandem	grandem	j-r-ah-n-d-ay-m
Big-Majjorem	majjorem	m-aj_diphthong-jg-oh-r-ay-m
Long-Longum	'lo-ngum	l-oh-n-g-u-m
Long-Largum	largum	l-ah-r-j-u-m
Wide	'la:tum	l-A-t-u-m
Wide-Amplum	amplum	ah-m-p-l-u-m
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

Appendix 4 - Word Lists by Language

Small-Pitulus	pi-tulus	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	-str-i-ktus	s-t-r-e-k-t-u-s
Thin	minu:-tus	m-e-n-U-t-u-s
Thin-Delicatus	de:lika:tus	d-ai-l-e-k-A-t-u-s
Thin-Subtilis	subti:lem	s-u-b-t-E-l-ay-m
Red	ruber-	r-u-b-ay-r
Red-Russus	russus	r-u-s-s-u-s
Red-Vermiculus	vermikulus	v-ay-r-m-e-k-u-l-u-s
Red-Rubeus	ru-beus	r-u-b-ay-u-s
Green	'wiridem	w-e-r-e-d-ay-m
One	'u:num	U-n-u-m
Two-Duos	duo:s	d-u-O-s
Two-Duae	du-aj	d-u-aj_diphthong
Two-Duas	duas	d-u-ah-s
Three	tr-e:s	t-r-ai-s
Four	k ^w -attwor-	kw-ah-t-t-w-oh-r
Five	'k ^{wi} :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	fə-m-----	f-ah-m
Woman-Domina	də-m---	d-ah-m
ManHumanBeing	-ɔm-----	eu-h-m
ManHumanBeing-Homo	-ɔ̃--	oon
Child	ɑ̃-fɑ̃----	NasalA-f-NasalA
Wife	e-pu-z-	ay-p-u-zz
Husband	mɑ̃ʁi---	m-ah-rr-e
Husband-Sponsus	e-pu----	ay-p-u
Mother	mɛ-ʁ--	m-ay-rr
Fish-Pescion	pwasɔ̃	p-w-ah-s-on
Bird-Avicellum	wa---z-o----	w-ah-zz-oh
Fruit	fʁɥi----	f-rr-eu-e
Flower	flœʁ--	f-l-OpenMidNearFrontRounded-rr
Nose	nɛ---	n-ay
Sun-Soliculus	sɔ̃lɛj----	s-euh-l-eh_diphthong
Moon	lyn-	l-eeh-n

Appendix 4 - Word Lists by Language

Star	e-twa-l-	ay-t-w-ah-l
Water	o----	oh
Rain	plɥ--i-	p-l-eu-e
Lake	lak--	l-ah-k
Sea	mɛɤ-	m-eh-rr
Salt	sɛl--	s-eh-l
Earth	t-e-ɤ-	t-ay-rr
Fog-Nebula	nɔ̃---ly	n-jg-euh-l-eeh
Fog-Tenebras	t-en-ɛbɤ-	t-ay-n-eh-b-rr
Fog-Fumata	fyme--	f-eeh-m-ay
Sky	sɟɛl--	s-jg-eh-l
Wind	v-ã----	v-NasalA
Fire-Focus	f-ø---	f-uu
Year	ã----	NasalA
Name-Nomen	nõ---	n-oon
Tongue	lã-g--	l-NasalA-g
ToDrink	b--wak-	b-w-a-rr
ToEat-Manducare	mã-ʒ--e--	m-NasalA-gzah-ay
ToBite	m-oɤd-ɤ-	m-oh-rr-d-rr
ToSuck	syse--	s-eeh-s-ay
ToSpit	kɔ̃-spye-	k-oon-s-p-eeh-ay
ToKnow-Sapere	savwak-	s-ah-v-w-ah-rr
ToKnow-Cognoscere	kɔ̃-nɛ-tɤ-	k-euh-n-eh-t-rr
ToThink	kɥ--ide--	k-eu-e-d-ay
ToThink-Pensare	pã-sc--	p-NasalA-s-ay
ToFear-Tremere	kɤɛ-d-ɤ-	k-rr-ehn-d-rr
ToSleep	d-ɔ̃mɪɤ-	d-euh-rr-m-e-rr
ToLive	viv-ɤ-	v-e-v-rr
ToDie	mukɤ-	m-u-rr-e-rr
ToKill	nwaje--	n-w-aj_diphthong-ay
ToKill-Tutari	t-ɥ-e--	t-eu-ay
ToKill-Mactare	ma-te--	m-ah-t-ay
ToKill-Occidere	ɔ̃ksi--ɤ-	euh-k-s-e-rr
ToFight-Battuere	bat--ɤ-	b-ah-t-rr
ToHunt-Captiare	ʃa-s-e--	shh-ah-s-ay
ToHit	pu-se	p-u-s-ay
ToCut	sje----	s-jg-ay
ToCut-Excurtare	e--kuxte--	ay-k-u-rr-t-ay
ToCut-Taliare	taj--e--	t-a-jg-ay
ToSplit-Scindere	s-ɛ-de--	s-ehnn-d-ay
ToSplit-Findere	fã-d-ɤ-	f-NasalA-d-rr
ToSplit-Partire	paktɤ-	p-ah-rr-t-e-rr
ToSplit-Separare	sə-v---ɤe	s-aah-v-rr-ay
ToStab	pwɛ-d-ɤ-	p-w-ehnn-d-rr
ToStab-Iugulare	ʒygyle--	gzah-eeh-g-eeh-l-ay
ToScratch-Rasare	kaze--	rr-a-zz-ay
ToDig	fwɪɤ	f-w-e-rr
ToSwim-Navigare	na--ʒe--	n-ah-gzah-ay
ToFly	vole--	v-oh-l-ay
ToWalk	ʃəmine--	shh-aah-m-e-n-ay
ToWalk-Marcher	maɤʃe	m-ah-rr-shh-ay
ToCome	vəniɤ-	v-aah-n-e-rr
ToLieAsInABed	e-tã-d-ɤ-	ay-t-NasalA-d-rr
ToLieAsInABed-lacere	ʒe-zɪɤ-	gzah-ay-zz-e-rr
ToSit	swa--ɤ-	s-w-ah-rr
ToStand	ɛ-t-ɤ-	eh-t-rr
ToStand-Levare	lɔve--	l-aah-v-ay

Appendix 4 - Word Lists by Language

ToStand-Altiare	-o-s-e--	oh-s-ay
ToTurnIntransitive	tuɾne--	t-u-rr-n-ay
ToTurnIntransitive-Gyrate	ʒiɾe--	gzah-e-rr-ay
ToTurnIntransitive-AncestralClass3	viɾe--	v-e-rr-ay
ToTurnIntransitive-Torque	tɔɾd-ɾ-	t-euh-rr-d-rr
ToFall	ʃwa--ɾ-	shh-w-ah-rr
ToFall-Tumbare	tõ-be-	t-on-b-ay
ToHold	tən-iɾ-	t-aah-n-e-rr
ToSqueeze	e--pɾẽ-d-ɾ-	ay-p-rr-ehnn-d-rr
ToSqueeze-Serare	se-ɾe--	s-ay-rr-ay
ToSqueeze-Stringere	e-tɾẽ-d-ɾ-	ay-t-rr-ehnn-d-rr
ToRub	fɾɛje--	f-rr-eh_diphthong-ay
ToRub-Frictare	fɾote--	f-rr-oh-t-ay
ToWash	lave--	l-ah-v-ay
ToWipe-Exsucare	e-sui-je--	ay-s-eu-e-jg-ay
ToPull	tike--	t-e-rr-ay
ToPull-Pulsare	pu-se--	p-u-s-ay
ToPull-Trahere	tɾ--ɛɾ-	t-rr-eh-rr
ToThrow	ʒɔ-te	gzah-aah-t-ay
ToThrow-Lanceare	lɑ-s-e-	l-NasalA-s-ay
ToTie	li-e--	l-e-ay
ToSew	ku-d---ɾ-	k-u-d-rr
ToCount	kõ---te--	k-on-t-ay
ToCount-Enumerare	enumeɾe--	ay-n-u-m-ay-rr-ay
ToSay	di--ɾ	d-e-rr
ToSing-AncestralClass	ʃɑ-te--	shh-NasalA-t-ay
ToPlay-Jiocare	ʒ-w-e--	gzah-w-ay
ToFloat	flyktɥe--	f-l-eeh-k-t-eu-ay
ToFlow	flye--	f-l-eeh-ay
ToFlow-Colare	kule--	k-u-l-ay
ToFlow-Currere	ku-ɾiɾ-	k-u-rr-e-rr
ToFreeze	ʒɔle--	gzah-aah-l-ay
ToFreeze-Glaciare	gla-s-e--	g-l-ah-s-ay
ToBurn-Brojan	bɾɥle--	b-rr-eeh-l-ay
ToBurn-Cremare	kɾame--	k-rr-ah-m-ay
ToBurn-Flammare	flɑ-be--	f-l-NasalA-b-ay
ToBurn-Ardere	aɾd-ɾ-	ah-rr-d-rr
ToBurn-Flagrare	flagɾe--	f-l-ah-g-rr-ay
ToBurn-Incendere	ɛ-sɑ-dje--	ehnn-s-NasalA-d-jg-ay
All-Totus	tu----	t-u
Many	mu---	m-u
Some	o-kœ-	oh-k-uuh
Few	pø---	p-uu
Other	o-t-ɾ-	oh-t-rr
Big-Grandem	gɾɑ---	g-rr-NasalA
Long-Longum	lõ-----	l-oon
Long-Largum	laɾʒ--	l-ah-rr-gzah
Wide	le---	l-ay
Wide-Amplum	ã-pl--	NasalA-p-l
Heavy	gɾav--	g-rr-ah-v
Heavy-Lurdus	luɾ---	l-u-rr
Heavy-Pesant	pəzɑ---	p-aah-zz-NasalA
Small	pə-ti---	p-aah-t-e
Short	kuɾ---	k-u-rr
Short-Brevis	bɾɛf--	b-rr-eh-f
Narrow-Strictus	e-tɾwa-----	ay-t-rr-w-ah
Thin	mɔny----	m-aah-n-eeh

Appendix 4 - Word Lists by Language

Thin-Delicatus	du:--ʒe:---	d-U-gzah-ai
Red-Russus	ʁu----	rr-u
Red-Vermiculus	vɛʁmɛj----	v-eh-rr-m-eh_diphthong
Red-Rubeus	ʁu-ʒ---	rr-u-gzah
Green	vɛʁ----	v-ay-rr
One	œ---	uuh
Two-Duos	d-ø-	d-uu
Three	tʁwa-	t-rr-w-a
Four	k-a-t--ʁ-	k-ah-t-rr
Five	sɛ̃-k--	s-ehn-k
Here	i--s---i-	e-s-e
There	--la-	l-ah
Who-Qui	k-i-	k-e
What	kwa-	k-w-ah
When-Quando	k-ã---	k-NasalA
How-Quomodo	kɔmã--	k-euh-m-NasalA
Not	nɔ̃-	n-oon
Not-Nec	ni-	n-e
And-Et	e-	ay

Spanish

Cognate	IPA	Sounds
I	j--o	VdPalatalFricative-oh
We	no-s	n-oh-s
YouPlural	bo-s	b-oh-s
YouSingular	tu	t-u
YouSingular-VostramMercedem	-usted	u-s-t-ay-d
Woman	-e-m-br-a	ay-m-b-er-ah
Woman-Mulier	mux-er--	m-u-xha-ay-er
Woman-Domina	do--ɲa	d-oh-VdPalatalNasal-ah
ManHumanBeing	om-bre-	oh-m-b-er-ay
Child	infante-	e-n-f-ah-n-t-ay
Child-Ninnus	nijo	n-e-VdPalatalNasal-oh
Wife	espo-sa	ay-s-p-oh-s-ah
Wife-Mulier	mux-er-	m-u-xha-ay-er
Husband	mariðo-	m-ah-er-e-dd-oh
Husband-Sponsus	espo-so-	ay-s-p-oh-s-oh
Mother	maðre-	m-ah-dd-er-ay
Fish-Piskem	peθ---	p-ay-th
Bird-Avem	abe-	ah-b-ay
Bird-Passerem	pa-xaro-	p-ah-xha-ah-er-oh
Fruit	fru--to-	f-er-u-t-oh
Flower	flor--	f-l-oh-er
Nose	naso-	n-ah-s-oh
Nose-Nares	nariθ-	n-ah-er-e-th
Sun	sol--	s-oh-l
Moon	luna	l-u-n-ah
Star	estre-ja	ay-s-t-er-ay-VdPalatalFricative-ah
Water	'a-ywa	ah-juh-w-ah
Rain	j-u-bja	VdPalatalFricative-u-b-jg-ah
Lake	lago-	l-ah-j-oh
Sea	mar-	m-ah-er
Salt	sal--	s-ah-l
Earth	'tje-ra	t-jg-ay-r-ah
Fog	kali--na-	k-ah-l-e-n-ah

Appendix 4 - Word Lists by Language

Fog-Nebula	nje-b-la	n-jg-ay-b-l-ah
Fog-Tenebras	t-injeblas	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
Fire-Focus	fwego-	f-w-ay-g-oh
Year	a-po-	ah-VdPalatalNasal-oh
Name-Nominem	nom-bre-	n-oh-m-b-er-ay
Tongue	'leggwa	l-ay-nya-g-w-ah
ToDrink	beb-er-	b-ay-b-ay-er
ToEat	kome--r-	k-oh-m-ay-er
ToEat-Manducare	mandukar-	m-ah-n-d-u-k-ah-er
ToBite	m-orðer-	m-oh-er-dd-ay-er
ToBite-Morsicare	mo-s-kar-	m-oh-s-k-ah-er
ToSpit-Exconspuere	esku-pir	ay-s-k-u-p-e-er
ToSpit-Sputare	esputar	ay-s-p-u-t-ah-er
ToKnow-Sapere	sab-er-	s-ah-b-ay-er
ToKnow-Cognoscere	ko-noθer-	k-oh-n-oh-th-ay-er
ToThink	kw--idar-	k-w-e-d-ah-er
ToThink-Pensare	pensar-	p-ay-n-s-ah-er
ToFear	temer-	t-ay-m-ay-er
ToFear-Tremere	trem-er-	t-er-ay-m-ay-er
ToSleep	d-ormir-	d-oh-er-m-e-er
ToLive	bibir-	b-e-b-e-er
ToDie	morir-	m-oh-er-e-er
ToKill-Adnecare	a-negar-	ah-n-ay-g-ah-er
ToKill-Mactare	ma-tar-	m-ah-t-ah-er
ToFight	pu-ñar-	p-u-VdPalatalNasal-ah-er
ToFight-Battuere	ba-t-ir-	b-ah-t-e-er
ToHunt-Captiare	ka-θ-ar-	k-ah-th-ah-er
ToHit	pu-xar-	p-u-xha-ah-er
ToCut	s-egar-	s-ay-j-ah-er
ToCut-Curtare	kortar-	k-oh-er-t-ah-er
ToCut-Taliare	ta-x-ar-	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	ra-er-	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	n-adar-	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	and--ar-	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	ja-θer-	VdPalatalFricative-ah-th-ay-er
ToSit	s-e--r-	s-ay-er
ToSit-Sedentare	se--ntar-	s-ay-n-t-ah-er
ToStand	estar-	ay-s-t-ah-er
ToStand-Levare	jebar-	VdPalatalFricative-ay-b-ah-er
ToStand-Altiare	-alθ-ar-	ah-l-th-ah-er
ToTurnIntransitive	tornar-	t-oh-er-n-ah-er

Appendix 4 - Word Lists by Language

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	k-a-er-	k-ah-ay-er
ToFall-Tumbare	tumbar	t-u-m-b-ah-er
ToHold	ten-er-	t-ay-n-ay-er
ToHold-Segurar	segurar	s-ay-g-u-er-ah-er
ToSqueeze	eksprem-ir-	ay-k-s-p-er-ay-m-e-er
ToSqueeze-Serrere	se-rar	s-ay-r-ah-er
ToSqueeze-Serare	θe-rar-	th-ay-r-ah-er
ToSqueeze-Appetorare	a-p--retar-	ah-p-er-ay-t-ah-er
ToSqueeze-Stringere	estrep-ir-	ay-s-t-er-ay-VdPalatalNasal-e-er
ToRub	fregar-	f-er-ay-g-ah-er
ToRub-Frictare	frotar-	f-er-oh-t-ah-er
ToRub-Frictiare	frisar	f-r-e-s-ah-er
ToWash	laßar-	l-ah-bb-ah-er
ToWipe-Extergere	e-starsir-	ay-s-t-ah-er-s-e-er
ToWipe-Exsucare	enx-ug-ar-	ay-n-xha-u-g-ah-er
ToWipe-Limpidare	limpj-ar-	l-e-m-p-jg-ah-er
ToPull	tirar-	t-e-er-ah-er
ToPull-Pulsare	pu-xar-	p-u-xha-ah-er
ToThrow	-e-ŋar	ay-ts-ah-er
ToThrow-Lanceare	lanθ-ar-	l-ah-n-th-ah-er
ToThrow-Eruncare	a-rankar	ah-r-ah-n-k-ah-er
ToTie	legar-	l-ay-g-ah-er
ToTie-Aptare	a-tar-	ah-t-ah-er
ToSew	ko--s-er-	k-oh-s-ay-er
ToCount	kon--tar-	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	xu-gar-	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	e-skurir-	ay-s-k-u-r-e-er
ToFlow-Currere	ko-rer-	k-oh-r-ay-er
ToFreeze	-clar-	ay-l-ah-er
ToBurn-Cremare	k-emar-	k-ay-m-ah-er
ToBurn-Flammare	fla-mear	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	enθend-er-	ay-n-th-ay-n-d-ay-er
All-Totus	to-do-	t-oh-d-oh
Many	mu-ŋo-	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	o-t-ro	oh-t-er-oh
Big	ma-ŋo-	m-ah-VdPalatalNasal-oh
Big-Grandem	grande-	g-er-ah-n-d-ay
Long-Longum	lo-ngo-	l-oh-n-j-oh
Long-Largum	laryo-	l-ah-er-juh-oh
Wide	lato-	l-ah-t-oh
Wide-Amplum	anŋf-o-	ah-n-ts-oh
Heavy	grabe-	g-er-ah-b-ay

Appendix 4 - Word Lists by Language

Heavy-Lurdus	lerdo-	l-ay-er-d-oh
Heavy-Pesant	pesa-ðo	p-ay-s-ah-dd-oh
Small-Pittinus	pe-kepo-	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	estr-e--fjò-	ay-s-t-er-ay-ts-oh
Thin	menu-do-	m-ay-n-u-d-oh
Thin-Delicatus	del-yaðo-	d-ay-l-juh-ah-dd-oh
Thin-Subtilis	su-til--	s-u-t-e-l
Red-Russus	ro-xo-	r-oh-xha-oh
Red-Vermiculus	bermexo---	b-ay-er-m-ay-xha-oh
Red-Rubeus	ru-bjo-	r-u-b-jg-oh
Green	ber-de-	b-ay-er-d-ay
One	'uno-	u-n-oh
Two-Duos	d-os	d-oh-s
Three	tr-es	t-er-ay-s
Four	kwa-t--ro	k-w-ah-t-er-oh
Five	'θink-o	th-e-n-k-oh
Here	-a-k---i-	ah-k-e
There	a-ja-	ah-VdPalatalFricative-ah
There-Adlbi	ai	ah-e
Who-Quem	kjen-	k-jg-ay-n
What	k-e-	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	i--o	e-oh
We	no:i-	n-O-e
YouPlural	'vo:i-	v-O-e
YouSingular	tu	t-u
Woman	femmi-n-a	f-ay-m-m-e-n-ah
Woman-Mulier	moʎʎe---	m-oh-yuh-yuh-ay
Woman-Domina	dɔn-na	d-euh-n-n-ah
ManHumanBeing-Homo	wɔmo	w-euh-m-oh
Child	--fante-	f-ah-n-t-ay
Child-Ninnus	nino	n-e-n-oh
Wife	-spɔ-za	s-p-euh-zz-ah
Wife-Mulier	moʎʎe--	m-oh-yuh-yuh-ay
Husband	marito-	m-ah-r-e-t-oh
Husband-Sponsus	-spɔ-zo-	s-p-euh-zz-oh
Husband-Socius	sɔʎf-o-	s-euh-ts-oh
Mother	ma:dre-	m-A-d-r-ay
Fish-Piskem	peʎʎe-	p-ay-shh-shh-ay
Bird-Avicellum	--u-tʎf-ɛllo-	u-t-ts-eh-l-l-oh
Bird-Passerem	passero-	p-ah-s-s-ay-r-oh
Fruit	fru-tto-	f-r-u-t-t-oh
Flower	'fjo:re-	f-jg-O-er-ay
Nose	na:so-	n-A-s-oh
Nose-Nares	naritʎe	n-ah-r-e-ts-ay

Appendix 4 - Word Lists by Language

Sun	sole-	s-oh-l-ay
Moon	luna	l-u-n-ah
Star	-st-ella	s-t-ay-l-l-ah
Water	akkwa	ah-k-k-w-ah
Rain	pjoddʒ-a	p-jg-oh-d-VdPalatoAlveolarSibilant-ah
Lake	lago-	l-ah-g-oh
Sea	mare	m-ah-r-ay
Salt	sale-	s-ah-l-ay
Earth	't-erra	t-eh-r-r-ah
Fog	kalidʒine-	k-ah-l-e-VdPalatoAlveolarSibilant-e-n-ay
Fog-Nebula	n-ebb-ja	n-ay-b-b-jg-ah
Fog-Tenebrae	tɛːnebre	t-Eh-n-ay-b-r-ay
Fog-Tenebras	t-ɛːn-ebre-	t-Eh-n-ay-b-r-ay
Fog-Fumata	fumaːta	f-u-m-A-t-ah
Sky	'ʃf-elo-	ts-eh-l-oh
Wind	'v-ento-	v-eh-n-t-oh
Fire-Focus	fwoko-	f-w-euh-k-oh
Year	anno-	ah-n-n-oh
Name-Nomen	noːme-	n-O-m-ay
Tongue	'lingwa	l-e-n-g-w-ah
ToDrink	be---re	b-ay-er-ay
ToEat-Manducare	mandʒ--are	m-ah-n-VdPalatoAlveolarSibilant-ah-er-ay
ToBite	m-ordere	m-euh-r-d-ay-r-ay
ToBite-Morsicare	morsikare	m-oh-r-s-e-k-ah-er-ay
ToSpit-Sputare	-sputare	s-p-u-t-ah-er-ay
ToKnow-Sapere	sap-ere	s-ah-p-ay-r-ay
ToKnow-Cognoscere	ko-noʃfere	k-oh-n-oh-shh-shh-ay-r-ay
ToThink	k-odʒitare	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
ToFear-Tremere	trem-are	t-r-ay-m-ah-r-ay
ToSleep	d-ormire	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	utʃfidere	u-t-ts-e-d-ay-er-ay
ToFight	pugnare	p-u-VdPalatalNasal-VdPalatalNasal-ah-r-ay
ToFight-Battuere	batt-ere	b-ah-t-t-ay-r-ay
ToHunt-Captiare	katʃf-are	k-ah-t-ts-ah-r-ay
ToHit	pulsare	p-u-l-s-ah-r-ay
ToCut	s-egare	s-ay-j-ah-r-ay
ToCut-Excurtare	--skortare	s-k-oh-r-t-ah-r-ay
ToCut-Taliare	ta-ʌʌaːre	t-ah-yuh-yuh-A-r-ay
ToSplit	dividere	d-e-v-e-d-ay-r-ay
ToSplit-Scindere	ʃ-indere	shh-e-n-d-ay-r-ay
ToSplit-Findere	fendere	f-eh-n-d-ay-r-ay
ToSplit-Partire	partire	p-ah-r-t-e-r-ay
ToSplit-Separare	separare	s-ay-p-ah-r-ah-r-ay
ToStab	p-undʒere	p-u-n-VdPalatoAlveolarSibilant-ay-r-ay
ToStab-Iugulare	jugulaːre	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

Appendix 4 - Word Lists by Language

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	and--are	ah-n-d-ah-r-ay
ToCome	venire	v-ay-n-e-er-ay
ToLieAsInABed	e-stendere	ay-s-t-eh-n-d-ay-r-ay
ToLieAsInABed-lacere	dʒa-ʃe:re	VdPalatoAlveolarSibilant-ah-ts-ai-er-ay
ToSit	s-edere	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-VAlveolarSibilantAffricate-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	tɔɾʃere	t-euh-r-ts-ay-r-ay
ToFall	k-adere	k-ah-d-ay-er-ay
ToHold	ten-ere	t-ay-n-ay-er-ay
ToSqueeze	--sprɛm-ere	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	aʃʃ-ug-are	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	trar-re	t-r-ah-r-r-ay
ToPush	impindzere	e-m-p-e-n-VdPalatoAlveolarSibilant-ay-r-ay
ToThrow	dʒettare	VdPalatoAlveolarSibilant-ay-t-t-ah-r-ay
ToThrow-Lanceare	lanʃare	l-ah-n-ts-ah-r-ay
ToThrow-Eruncare	arronʃare	ah-r-r-oh-n-ts-ah-r-ay
ToTie	legare	l-ay-g-ah-r-ay
ToSew	ku--ʃ-ire	k-u-ts-e-r-ay
ToCount	kon--tare	k-oh-n-t-ah-r-ay
ToCount-Enumerare	enumerare	ay-n-u-m-ay-r-ah-r-ay
ToSay	di--re	d-e-r-ay
ToSay-Exponere	--spor-re	s-p-oh-r-r-ay
ToSing-AncestralClass	kantare	k-ah-n-t-ah-r-ay
ToPlay-Jiocare	dʒo-kare	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	gʲatʃʲare	g-jg-ah-t-ts-jg-ah-r-ay
ToBurn-Brojan	bruʃare	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	inʃendjare	e-n-ts-eh-n-d-jg-ah-r-ay
ToBurn-AncestralClass8	ustolare	u-s-t-oh-l-ah-r-ay
All	opni-	oh-VdPalatalNasal-VdPalatalNasal-e
All-Totus	tutto-	t-u-t-t-oh

Appendix 4 - Word Lists by Language

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	alt-ro	ah-l-t-r-oh
Big	mappo-	m-ah-VdPalatalNasal-VdPalatalNasal-oh
Big-Grandem	grande-	g-r-ah-n-d-ay
Long-Longum	lu-ngo-	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
Heavy	grève-	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	pitjino-	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	brève-	b-r-eh-v-ay
Narrow	angusto-	ah-n-g-u-s-t-oh
Narrow-Strictus	-str-e-tto-	s-t-r-ay-t-t-oh
Thin	minu-to-	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
Red	rub-ro	r-u-b-r-oh
Red-Russus	rosso-	r-oh-s-s-oh
Red-Vermiculus	vermił-ło-	v-ay-r-m-e-yuh-yuh-oh
Red-Rubeus	røbbjo-	r-euh-b-b-jg-oh
Green	ver-de-	v-ay-r-d-ay
One	'uno-	u-n-oh
Two-Duae	du-e	d-u-ay
Three	'tr-e-	t-r-ay
Four	kwatt--ro	k-w-ah-t-t-r-oh
Five	'fjɪŋkwe	ts-e-nya-k-w-ay
Here	---kw--i-	k-w-e
There	--la-	l-ah
There-Ibi	-vi	v-e
Who-Qui	k-i-	k-e
What	k-e-	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	-e-w	ay-w
We	noj-s	n-euh-jg-s
YouPlural	vojs	v-euh-jg-s
YouSingular	tu	t-u
YouSingular-VostramMercedem	vos-e-	v-oh-s-ay
Woman	fe-me---ø	f-ay-m-ay-ahh
Woman-Mulier	muł-ek--	m-u-yuh-ay-rr
Woman-Domina	do--nø	d-oh-n-ahh
ManHumanBeing	omẽj---	oh-m-nasal diphthong portuguese1

Appendix 4 - Word Lists by Language

Child	ĩ-fẽ-ŋĩ-	een-f-ahn-ts-e
Child-Ninnus	nenẽj	n-ay-n-nasal_diphthong_portuguese1
Wife	ispo-za	e-s-p-oh-zz-ah
Wife-Mulier	muł-ek-	m-u-yuh-ay-rr
Husband	maridu-	m-ah-er-e-d-u
Husband-Sponsus	ispo-zu-	e-s-p-oh-zz-u
Mother	mẽj----	m-nasal_diphthong_portuguese2
Fish-Piskem	pej[-i-	p-ej_diphthong-shh-e
Bird-Avem	avi-	ah-v-e
Bird-Passerem	pa-sẽru-	p-ah-s-ahh-er-u
Fruit	fru--tẽ-	f-er-u-t-ahh
Flower	flok--	f-l-oh-rr
Nose-Nares	naris-	n-ah-er-e-s
Sun	sow--	s-euh-w
Moon	lu-e	l-u-ahh
Star	istre-lẽ	e-s-t-er-ay-l-ahh
Water	'a-gwẽ	ah-g-w-ahh
Rain	ʃ-u-v-e	shh-u-v-ahh
Lake	lagu-	l-ah-g-u
Sea	maκ-	m-ah-rr
Salt	saw--	s-ah-w
Earth	't-e-κẽ	t-ay-rr-ahh
Fog	kalizẽj---	k-ah-l-e-gzah-nasal_diphthong_portuguese1
Fog-Nebula	n-ε-vw-e	n-eh-v-w-ahh
Fog-Fumata	fumasẽ	f-u-m-ah-s-ahh
Sky	s-εw--	s-eh-w
Wind	'v-ẽ-tu-	v-ehn-t-u
Fire-Focus	f-ogu-	f-oh-g-u
Year	e-nu-	ahh-n-u
Name-Nomen	nomi-	n-oh-m-e
Tongue	'lĩ-gwẽ	l-een-g-w-ahh
ToDrink	beb-ek-	b-ay-b-ay-rr
ToEat	kome---	k-oh-m-ay
ToEat-Manducare	mẽ-ʒ--ak-	m-ahn-gzah-ah-rr
ToBite	m-okdek-	m-oh-rr-d-ay-rr
ToBite-Morsicare	mu-sẽga--	m-u-s-aah-g-ah
ToSuck	sugak-	s-u-g-ah-rr
ToSpit	ku-spiκ	k-u-s-p-e-rr
ToKnow-Sapere	sab-ek-	s-ah-b-ay-rr
ToKnow-Cognoscere	ko-nes-ek-	k-oh-VdPalatalNasal-ay-s-ay-rr
ToThink	k-uʒitaκ-	k-u-gzah-e-t-ah-rr
ToThink-Pensare	pẽ-sak-	p-ehn-s-ah-rr
ToFear	temek-	t-ay-m-ay-rr
ToFear-Tremere	trem-ek-	t-er-ay-m-ay-rr
ToSleep	d-okmik-	d-oh-rr-m-e-rr
ToLive	viveκ-	v-e-v-ay-rr
ToDie	moκek-	m-oh-rr-ay-rr
ToKill-Mactare	ma-tak-	m-ah-t-ah-rr
ToFight-Battuere	ba-t-ek-	b-ah-t-ay-rr
ToHunt-Captiare	ka-s-ak-	k-ah-s-ah-rr
ToHit	pu-ʃak-	p-u-shh-ah-rr
ToCut	s-egak-	s-ay-g-ah-rr
ToCut-Curtare	kogtak-	k-oh-rr-t-ah-rr
ToCut-Taliare	ta-ł-ak-	t-ah-yuh-ah-rr
ToSplit	dʒividʒik-	VdPalatoAlveolarSibilant-e-v-e-VdPalatoAlveolarSibilant-e-rr
ToSplit-Findere	fẽ-deκ-	f-ehn-d-ay-rr
ToSplit-Partire	paκʃik-	p-ah-rr-ts-e-rr

Appendix 4 - Word Lists by Language

ToSplit-Separare	separaκ-	s-ay-p-ah-er-ah-rr
ToStab	p-ũ-zik-	p-ooo-gzah-e-rr
ToScratch	ka-ek-	rr-ah-ay-rr
ToScratch-Rasare	kazak-	rr-ah-zz-ah-rr
ToScratch-Rasicare	kaʃkak	rr-ah-shh-k-ah-rr
ToScratch-Coctiare	kosaɫ	k-oh-s-ah-VdRetroflexApproximant
ToDig-Cavare	kəvaκ	k-ahh-v-ah-rr
ToDig-Excavare	i-ʃkəvaκ-	e-shh-k-ahh-v-ah-rr
ToSwim	n-adak-	n-ah-d-ah-rr
ToSwim-Navigare	naviyaκ-	n-ah-v-eee-juh-ah-rr
ToFly	vo-aκ-	v-oh-ah-rr
ToWalk	kəmiɲaκ-	k-ahh-m-e-VdPalatalNasal-ah-rr
ToWalk-Ambitare	ẽ-d-aκ-	ahn-d-ah-rr
ToCome	v-iκ-	v-e-rr
ToLieAsInABed	istẽ-deκ-	e-s-t-ehn-d-ay-rr
ToLieAsInABed-lacere	ʒe-zeκ-	gzah-ahh-zz-ay-rr
ToSit	s-e--κ-	s-ay-rr
ToSit-Sedentare	sẽ---tar-	s-ehn-t-ah-er
ToStand	iʃtar-	eee-shh-t-ah-er
ToStand-Levare	levaκ-	l-ay-v-ah-rr
ToStand-Altiare	-aʃs-a--	ah-ssha-s-ah
ToTurnIntransitive	toκnaκ-	t-oh-rr-n-ah-rr
ToTurnIntransitive-Gyrare	ʒirar-	gzah-e-er-ah-er
ToTurnIntransitive-AncestralClass3	virar-	v-e-er-ah-er
ToTurnIntransitive-Torquere	turser-	t-u-r-s-ay-r
ToFall	k-ε-ir-	k-ahh-e-er
ToFall-Tumbare	tõ-baκ	t-on-b-ah-rr
ToHold	te---κ-	t-ay-rr
ToHold-Segurar	siguraκ	s-eee-g-u-er-ah-rr
ToSqueeze	i-ʃprəm-ek-	e-shh-p-r-aah-m-ay-rr
ToSqueeze-Serrere	se-ka--	s-ay-rr-ah
ToSqueeze-Serare	si-kaκ-	s-eee-rr-ah-er
ToSqueeze-Appetorare	ε-pi-r-tar-	ahh-p-eee-er-t-ah-er
ToSqueeze-Stringere	əʃtri-ʒir-	aah-shh-t-r-een-gzah-e-r
ToRub-Exfricare	iʃfrigar	eee-shh-f-er-eee-g-ah-er
ToWash	lɛvar-	l-ahh-v-ah-er
ToWipe-Exsucare	ẽ-ʃ-ug-ar-	ehn-shh-u-g-ah-er
ToWipe-Limpidare	li-p--ar-	l-een-p-ah-er
ToPull	ʃira--	ts-e-er-ah
ToPull-Pulsare	pu-ʃar-	p-u-shh-ah-er
ToPull-Trahere	traze--	t-er-ah-zz-ay
ToThrow	ʒejtar	gzah-ej_diphthong-t-ah-er
ToThrow-Lanceare	lɛ-s-a--	l-ahn-s-ah
ToTie-Aptare	ε-tar-	ahh-t-ah-er
ToSew	ku--z-er-	k-u-zz-ay-er
ToCount	kõ---tar-	k-on-t-ah-er
ToCount-Enumerare	enumerar-	ay-n-u-m-ay-er-ah-er
ToSay	diz-er	d-e-zz-ay-er
ToSing-AncestralClass	kẽ-tar-	k-ahn-t-ah-er
ToPlay-Jiocare	ʒo-gaκ-	gzah-oh-g-ah-rr
ToFloat	flu-tuaκ-	f-l-u-t-u-ah-rr
ToFlow	flwiκ-	f-l-w-e-rr
ToFlow-Colare	ko-aκ-	k-oh-ah-rr
ToFlow-Excurrere	i-ʃko-keκ-	e-shh-k-oh-rr-ay-rr
ToFlow-Currere	ko-keκ-	k-oh-rr-ay-rr
ToFreeze	ʒilar-	gzah-eee-l-ah-er
ToBurn-Cremare	k-εjmare	k-diphthong_portuguese-m-ah-er-ay

Appendix 4 - Word Lists by Language

ToBurn-Ardere	akdek-	ah-rr-d-ay-rr
ToBurn-Flagrare	flagrak-	f-l-ah-j-rr-ah-rr
ToBurn-Incendere	i-sendɟiar-	een-s-ay-n-VdPalatoAlveolarSibilant-NearCloseFrontUnrounded -ah-er
All-Totus	to-du-	t-oh-d-u
Many	mũj-tu	m-ooo-jn-t-u
Many-Tantus	tə-tu	t-ahn-t-u
Some	awgũ--	ah-w-g-ooo
Few	powku	p-oh-w-k-u
Other	owt-ru	oh-w-t-er-u
Other-Alius	aw---	ah-w
Big-Grandem	grẽ-dɟi-	g-er-ahn-VdPalatoAlveolarSibilant-e
Long-Longum	lõ-gu-	l-on-g-u
Long-Largum	laɣgu-	l-ah-rr-g-u
Wide	latu-	l-ah-t-u
Wide-Amplum	ẽ-f-u-	ahn-shh-u
Heavy	gravi-	g-er-ah-v-e
Heavy-Lurdus	lerdo-	l-ay-er-d-oh
Heavy-Pesant	peza-du	p-ay-zz-ah-d-u
Small-Pittinus	pe-kenu-	p-ay-k-ay-n-u
Short	kugtu-	k-u-rr-t-u
Short-Brevis	'brevi-	b-er-eh-v-e
Narrow-Strictus	istr-ej--tu-	e-s-t-er-ej_diphthong-t-u
Thin	mi-u-du-	m-e-u-d-u
Thin-Delicatus	dew-gadu-	d-ay-w-g-ah-d-u
Thin-Subtilis	su-ɟiɰw--	s-u-ts-e-w
Red-Russus	ko-ʃu-	rr-oh-shh-NearCloseBackRounded
Red-Vermiculus	veɣme--lu-	v-ay-rr-m-ay-yuh-u
Red-Rubeus	ru-beo-	r-u-b-ay-oh
Green	ver-di-	v-ay-er-d-eee
One	ũ---	ooo
Two-Duos	d-ojs	d-oj_diphthong-s
Two-Duas	dues	d-u-ahh-s
Three	tr-es	t-er-ay-s
Four	kwa-t--ru	k-w-ah-t-er-u
Five	'sĩ-k-u	s-een-k-u
Here	-a-k---i-	ah-k-e
There	--la-	l-ah
There-Adlbi	ai	ah-e
Who-Quem	k-ẽɟ--	k-nasal_diphthong_portuguese1
What	k-i-	k-e
When-Quando	kwẽ-du	k-w-ahn-d-u
How-Quomodo	komu--	k-oh-m-u
Not	nẽw	n-au_diphthong_nasal
Not-Nec	nẽɟ	n-nasal_diphthong_portuguese1
And-Et	i-	e

Portuguese

Cognate	IPA	Sounds
I	-e-w	ay-w
We	nɔ-ʃ	n-euh-shh
YouPlural	vo-ʃ	v-oh-shh
YouSingular	tu	t-u
YouSingular-VostramMercedem	vɔs-e-	v-euh-s-ay
Woman	'fe-mj---ɐ	f-ay-m-jg-ahh

Appendix 4 - Word Lists by Language

Woman-Mulier	muʎ-er--	m-u-yuh-ay-er
Woman-Domina	do--nə	d-oh-n-ahh
ManHumanBeing	ɔmɛj---	euh-m-nasal_diphthong_portuguese1
Child	ĩ-fɛ-ti-	een-f-ahn-t-eee
Child-Ninnus	nenɛj	n-ay-n-nasal_diphthong_portuguese1
Wife	ɨʃpo-zɐ	eee-shh-p-oh-zz-ahh
Wife-Mulier	muʎ-er-	m-u-yuh-ay-er
Husband	mɛriðu-	m-ahh-er-e-dd-u
Husband-Sponsus	ɨʃpo-zu-	eee-shh-p-oh-zz-u
Mother	mɛj----	m-nasal_diphthong_portuguese2
Fish-Piskem	pɛɨʃ-i-	p-diphthong_portuguese-shh-eee
Bird-Avem	avi-	ah-v-eee
Bird-Passerem	pa-sɛru-	p-ah-s-ahh-er-u
Fruit	fru--tɐ-	f-er-u-t-ahh
Flower	flor--	f-l-oh-er
Nose-Nares	nɛɨʃ-	n-ahh-er-e-shh
Sun	sɔʎ--	s-euh-ssha
Moon	lu-ɐ	l-u-ahh
Star	ɨʃtɛ-lɐ	eee-shh-t-er-ay-l-ahh
Water	'a-gwɐ	ah-g-w-ahh
Rain	ʃ-u-v-ɐ	shh-u-v-ahh
Lake	layu-	l-ah-juh-u
Sea	mar-	m-ah-er
Salt	sal--	s-ah-l
Earth	't-ɛ-ɐɐ	t-eh-rr-ahh
Fog	kɛliʒɛj---	k-ahh-l-e-gzah-nasal_diphthong_portuguese2
Fog-Nebula	n-ɛ-vw-ɐ	n-eh-v-w-ahh
Fog-Tenebras	tr---ɛv-ɐʃ	t-er-eh-v-ahh-shh
Fog-Fumata	fumasɐ	f-u-m-ah-s-ahh
Sky	s-ɛw--	s-eh-w
Wind	'v-ɛ-tu-	v-ehn-t-u
Fire-Focus	f-oɣu-	f-oh-juh-u
Year	ɐ-nu-	ahh-n-u
Name-Nomen	nomi-	n-oh-m-eee
Tongue	'li-gwɐ	l-een-g-w-ahh
ToDrink	biʃ-er-	b-eee-bb-ay-er
ToEat	kum--er-	k-u-m-ay-er
ToEat-Manducare	mɛ-ʒ--ar-	m-ahn-gzah-ah-er
ToBite	m-urðer-	m-u-er-dd-ay-er
ToBite-Morsicare	mu-səgar-	m-u-s-aah-g-ah-r
ToSuck	sugar-	s-u-g-ah-er
ToSpit	ku-ʃpir	k-u-shh-p-e-er
ToKnow-Sapere	sɛb-er-	s-ahh-b-ay-er
ToKnow-Cognoscere	ku-pis-er-	k-u-VdPalatalNasal-eee-s-ay-er
ToThink	k-uʒitar-	k-u-gzah-e-t-ah-er
ToThink-Pensare	pɛ-sar-	p-ehn-s-ah-er
ToFear	timer-	t-eee-m-ay-er
ToFear-Tremere	trɪm-er-	t-er-eee-m-ay-er
ToSleep	d-urmīr-	d-u-er-m-e-er
ToLive	viver-	v-e-v-ay-er
ToDie	muker-	m-u-rr-ay-er
ToKill-Mactare	mɛ-tar-	m-ahh-t-ah-er
ToFight-Battuere	bɛ-t-er-	b-ahh-t-ay-er
ToHunt-Captiare	kɛ-s-ar-	k-ahh-s-ah-er
ToHit	pu-ʃar-	p-u-shh-ah-er
ToCut	s-iyar-	s-eee-juh-ah-er
ToCut-Curtare	kurtar-	k-u-er-t-ah-er

Appendix 4 - Word Lists by Language

ToCut-Taliare	tɐ-ʎ-ar-	t-ahh-yuh-ah-er
ToSplit	diviðir-	d-e-v-e-dd-e-er
ToSplit-Findere	fē-der-	f-ehn-d-ay-er
ToSplit-Partire	pərtir-	p-ahh-er-t-e-er
ToSplit-Separare	sipərar-	s-eee-p-ahh-er-ah-er
ToStab	p-ũ-zir-	p-ooo-gzah-e-er
ToScratch	ʁɐ-er-	rr-ahh-ay-er
ToScratch-Rasare	ʁɛzar-	rr-ahh-zz-ah-er
ToScratch-Rasicare	ʁɛʃkar	rr-ahh-shh-k-ah-er
ToScratch-Coctiare	kusar	k-u-s-ah-er
ToDig-Cavare	kɐvar	k-ahh-v-ah-er
ToDig-Excavare	i-ʃkɐvar-	e-shh-k-ahh-v-ah-er
ToSwim	n-ɐðar-	n-ahh-dd-ah-er
ToSwim-Navigare	nɐviyar-	n-ahh-v-eee-juh-ah-er
ToFly	vɔw-ar-	v-w-ah-er
ToWalk	kɐmipar-	k-ahh-m-e-VdPalatalNasal-ah-er
ToWalk-Ambitare	ẽ-d--ar-	ahn-d-ah-er
ToCome	v--ir-	v-e-er
ToLieAsInABed	iʃtē-der-	e-shh-t-ehn-d-ay-er
ToLieAsInABed-lacere	ʒɐ-zɛr-	gzah-ahh-zz-ay-er
ToSit	s-e--r-	s-ay-er
ToSit-Sedentare	sē---tar-	s-ehn-t-ah-er
ToStand	iʃtar-	eee-shh-t-ah-er
ToStand-Levare	livar-	l-eee-v-ah-er
ToStand-Altiare	-aʎs-ar-	ah-ssha-s-ah-er
ToTurnIntransitive	turnar-	t-u-er-n-ah-er
ToTurnIntransitive-Gyrare	ʒirar-	gzah-e-er-ah-er
ToTurnIntransitive-AncestralClass3	ʒirar-	gzah-e-er-ah-er
ToTurnIntransitive-Torquere	turser-	t-u-r-s-ay-r
ToFall	k-ɐ-ir-	k-ahh-e-er
ToFall-Tumbare	tõ-bar	t-on-b-ah-er
ToHold	te---r-	t-ay-er
ToHold-Segurar	siɣurar	s-eee-juh-u-er-ah-er
ToSqueeze	i-ʃprəm-er-	e-shh-p-r-aah-m-ay-r
ToSqueeze-Serrere	sə-rar-	s-aah-VIUvularTrill-ah-er
ToSqueeze-Serare	si-ɣar-	s-eee-rr-ah-er
ToSqueeze-Appetorare	ɐ-pi-r-tar-	ahh-p-eee-er-t-ah-er
ToSqueeze-Stringere	ɔʃtrĩʒir-	aah-shh-t-r-eeen-gzah-e-r
ToRub-Exfricare	iʃfriyar	eee-shh-f-er-eee-juh-ah-er
ToWash	lɐvar-	l-ahh-v-ah-er
ToWipe-Exsucare	ẽ-f-uɣ-ar-	ehn-shh-u-juh-ah-er
ToWipe-Limpidare	lĩ-p--ar-	l-eeen-p-ah-er
ToPull	tirar-	t-e-er-ah-er
ToPull-Pulsare	pu-ʃar-	p-u-shh-ah-er
ToPull-Trahere	trɛzer-	t-er-ahh-zz-ay-er
ToThrow	ʒejtar	gzah-ej_diphthong-t-ah-er
ToThrow-Lanceare	lɐ-s-ar-	l-ahn-s-ah-er
ToTie-Aptare	ɐ-tar-	ahh-t-ah-er
ToSew	ku--z-er-	k-u-zz-ay-er
ToCount	kõ---tar-	k-on-t-ah-er
ToCount-Enumerare	enumerar-	ay-n-u-m-ay-er-ah-er
ToSay	diz-er	d-e-zz-ay-er
ToSing-AncestralClass	kɐ-tar-	k-ahn-t-ah-er
ToPlay-Jiocare	ʒu-ɣar-	gzah-u-juh-ah-er
ToFloat	flu-tuar-	f-l-u-t-u-ah-er
ToFlow	flwir-	f-l-w-e-er
ToFlow-Colare	ku-ar-	k-u-ah-er

Appendix 4 - Word Lists by Language

ToFlow-Excurrere	i-ʃku-rer-	e-shh-k-u-VIUvularTrill-ay-er
ToFlow-Currere	ku-ʁer-	k-u-rr-ay-er
ToFreeze	ʒilar-	gzah-eee-l-ah-er
ToBurn-Cremare	k-ejmaʁe	k-ej_diphthong-m-ah-rr-ay
ToBurn-Ardere	ʁrder-	ahh-er-d-ay-er
ToBurn-Flagrare	flagrar-	f-l-ah-g-er-ah-er
ToBurn-Incendere	ĩ-sẽ-djar-	een-s-ehn-d-jg-ah-er
All-Totus	to-ðu-	t-oh-dd-u
Many	mũj-tu	m-ooo-jn-t-u
Many-Tantus	tẽ-tu-	t-ahn-t-u
Some	ałgũ--	ah-ssha-g-ooo
Few	powku	p-oh-w-k-u
Other	owt-ru	oh-w-t-er-u
Other-Alius	ał---	ah-ssha
Big-Grandem	grẽ-di-	g-er-ahn-d-eee
Long-Longum	lõ-gu-	l-on-g-u
Long-Largum	largu-	l-ah-er-g-u
Wide	latu-	l-ah-t-u
Wide-Amplum	ẽ-ʃ-u-	ahn-shh-u
Heavy	gravi-	g-er-ah-v-eee
Heavy-Lurdus	lerdo-	l-ay-er-d-oh
Heavy-Pesant	piza-ðu	p-eee-zz-ah-dd-u
Small-Pittinus	pi-kenu-	p-eee-k-ay-n-u
Short	kurtu-	k-u-er-t-u
Short-Brevis	'brevi-	b-er-eh-v-eee
Narrow-Strictus	iftr-ẽj--tu-	eee-shh-t-er-diphthong_portuguese-t-u
Thin	mi-u-ðu-	m-e-u-dd-u
Thin-Delicatus	deł-ʔaðu-	d-eh-ssha-juh-ah-dd-u
Thin-Subtilis	su-ʃiŋw--	s-u-ts-e-w
Red-Russus	ʁo-ʃu-	rr-oh-shh-u
Red-Vermiculus	virmej--ʃu-	v-eee-er-m-diphthong_portuguese-yuh-u
Red-Rubeus	ru-beo-	r-u-b-ay-oh
Green	ver-di-	v-ay-er-d-eee
One	ũ---	ooo
Two-Duos	d-ojʃ	d-oj_diphthong-shh
Two-Duas	duẽʃ	d-u-ahh-shh
Three	tr-eʃ	t-er-ay-shh
Four	kwa-t--ru	k-w-ah-t-er-u
Five	'sĩ-k-u	s-een-k-u
Here	-e-k---i-	ahh-k-e
There	--la-	l-ah
There-Adlbi	ẽi	ahh-e
Who-Quem	k-ẽj--	k-nasal_diphthong_portuguese2
What	k-i-	k-eee
When-Quando	kwẽ-du	k-w-ahn-d-u
How-Quomodo	kõmu--	k-oh-m-u
Not	nẽw	n-au_diphthong_nasal
Not-Nec	nẽj	n-nasal_diphthong_portuguese2
And-Et	i-	e

Catalan

Cognate	IPA	Sounds
I	ʒ--ɔ	gzah-euh
YouPlural	bu-s	b-u-s
YouSingular	tu	t-u

Appendix 4 - Word Lists by Language

YouSingular-VostramMercedem	voste-	v-oh-s-t-ay
Woman	fe-m-br-a	f-ay-m-b-er-ah
Woman-Mulier	muλ-e---	m-u-yuh-ay
Woman-Domina	dō--nə	d-euh-n-aah
ManHumanBeing	-omə---	euh-m-aah
Child-Ninnus	nen-	n-ay-n
Wife	əspō-zə	aah-s-p-euh-zz-aah
Wife-Mulier	muλ-e-	m-u-yuh-ay
Husband	marit--	m-ah-er-e-t
Husband-Sponsus	əspō-s--	aah-s-p-euh-s
Mother	ma-rə-	m-ah-er-aah
Fish-Piskem	pef---	p-ay-shh
Bird-Avem	aw--	ah-w
Bird-Avicellum	--u--s-e-λ--	u-s-ay-yuh
Fruit	fruj-t--	f-er-u-jg-t
Flower	flō---	f-l-euh
Nose	nas	n-ah-s
Nose-Nares	na:ris-	n-A-r-NearCloseFrontUnrounded-s
Sun	sōl--	s-euh-l
Moon	λunə	yuh-u-n-aah
Star	əst-ε-l-	aah-s-t-eh-l
Water	'aj-γwə	aj_diphthong-juh-w-aah
Rain	plu-3-ə	p-l-u-gzah-aah
Lake	λak--	yuh-ah-k
Sea	mar-	m-ah-r
Salt	sal--	s-ah-l
Earth	't-ε-rə	t-eh-r-aah
Fog-Nebula	n-e--wlə	n-ay-w-l-aah
Fog-Tenebras	t-ən-εbrəs	t-aah-n-ay-b-er-aah-s
Sky	s-εl--	s-eh-l
Wind	b-en---	b-ay-n
Fire-Focus	f-ɔk--	f-euh-k
Year	a-ɲ--	ah-VdPalatalNasal
Name-Nomen	nɔm--	n-euh-m
ToDrink	bew--rə	b-eh-w-er-aah
ToEat-Manducare	məɲ3--a--	m-aah-VdPalatalNasal-gzah-ah
ToBite-Morsicare	mu-səɣa--	m-u-s-aah-juh-ah
ToSpit-Exconspuere	əsku-pi	aah-s-k-u-p-e
ToKnow-Sapere	səβ-ε--	s-aah-bb-eh
ToKnow-Cognoscere	ku-nef-ə--	k-u-n-eh-shh-aah
ToThink	k-u-jda--	k-u-jg-d-ah
ToThink-Pensare	pənsa--	p-aah-n-s-ah
ToFear	temə--	t-ay-m-aah
ToSleep	d-urmi--	d-u-r-m-e
ToLive	biw-rə	b-e-w-er-aah
ToDie	muri--	m-u-er-e
ToKill	n-əga--	n-aah-g-ah
ToKill-Mactare	mə-ta--	m-aah-t-ah
ToKill-Occidere	uksi----	u-k-s-e
ToFight	pu-ɲa--	p-u-VdPalatalNasal-ah
ToFight-Battuere	ba-t--rə	b-ah-t-er-aah
ToHunt-Captiare	kə-s-a--	k-aah-s-ah
ToCut	s-əɣa--	s-aah-juh-ah
ToCut-Taliare	tə-λ-a--	t-aah-yuh-ah
ToSplit	dibidi--	d-e-b-e-d-e
ToSplit-Findere	fend-rə	f-eh-n-d-er-aah
ToSplit-Partire	pərti--	p-aah-r-t-e

Appendix 4 - Word Lists by Language

ToSplit-Separare	səpəra--	s-aah-p-aah-er-ah
ToStab	p-ʊn-i--	p-u-VdPalatalNasal-e
ToScratch	raw-rə	r-ah-w-er-aah
ToScratch-Rasare	rəza--	r-aah-zz-ah
ToScratch-Rasicare	rəska-	r-aah-s-k-ah
ToDig-Cavare	kəba	k-aah-b-ah
ToSwim	n-əda--	n-aah-d-ah
ToSwim-Navigare	nəbəga--	n-aah-b-aah-g-ah
ToFly	bula--	b-u-l-ah
ToWalk	kəmina--	k-aah-m-e-n-ah
ToCome	bəni--	b-aah-n-e
ToLieAsInABed	ə-stend-rə	aah-s-t-ay-n-d-er-aah
ToLieAsInABed-lacere	zaw--rə	gzah-ah-w-er-aah
ToStand	əsta--	aah-s-t-ah
ToStand-Levare	ləba--	yuh-aah-b-ah
ToStand-Altiare	-əls-a--	aah-l-s-ah
ToTurnIntransitive	turna-	t-u-r-n-ah
ToTurnIntransitive-Gyrare	zira--	gzah-e-er-ah
ToTurnIntransitive-AncestralClass3	bira--	b-e-er-ah
ToTurnIntransitive-Torquere	tərsə--	t-euh-r-s-aah
ToFall	k-aw-rə	k-ah-w-r-aah
ToFall-Tumbare	tumba-	t-u-m-b-ah
ToHold	tən-i--	t-aah-n-e
ToSqueeze	ə-sprem-ə--	aah-s-p-er-ay-m-aah
ToSqueeze-Serrere	sə-ra--	s-aah-r-ah
ToSqueeze-Stringere	əstrɛpə	aah-s-t-er-eh-VdPalatalNasal-aah
ToRub	frəga--	f-er-aah-g-ah
ToRub-Frictiare	frəsa-	f-er-aah-s-ah
ToWash	ləba--	yuh-aah-b-ah
ToWipe-Extergere	ə-stəɾzi--	aah-s-t-aah-r-gzah-e
ToWipe-Exsucare	ə-f-uga--	aah-shh-u-g-ah
ToPull	tira--	t-e-er-ah
ToPull-Trahere	tɾew-rə	t-er-eh-w-er-aah
ToPush	əmpɛp-ə--	aah-m-p-eh-VdPalatalNasal-aah
ToThrow	xita	xha-e-t-ah
ToThrow-Lanceare	ləns-a--	yuh-aah-n-s-ah
ToTie	liɣa--	yuh-e-juh-ah
ToSew	ku--z-i--	k-u-zz-e
ToCount	kum--ta--	k-u-m-t-ah
ToCount-Enumerare	enumera--	ay-n-u-m-ay-er-ah
ToSay	di	d-e
ToSing-AncestralClass	kənta--	k-aah-n-t-ah
ToPlay-Jiocare	zu-ga--	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	ə-sko-rə--	aah-s-k-oh-r-aah
ToFlow-Currere	ko-rə--	k-oh-r-aah
ToFreeze	zəla--	gzah-aah-l-ah
ToFreeze-Glaciare	glə-s-a--	g-l-aah-s-ah
ToBurn-Cremare	krəma--	k-r-aah-m-ah
ToBurn-Flammare	flama--	f-ssha-ah-m-ah
ToBurn-Incendere	ənsend--rə	aah-n-s-ay-n-d-er-aah
All-Totus	to-t--	t-oh-t
Many	mol---	m-oh-l
Many-Tantus	tant--	t-ah-n-t
Some	əlgʊ--	aah-l-g-u

Appendix 4 - Word Lists by Language

Few	pək--	p-euh-k
Other	alt-rə	ah-l-t-er-aah
Big-Grandem	gran---	j-r-ah-n
Long-Longum	lɔ-ŋ---	yuh-oh-nya
Long-Largum	lark--	yuh-ah-er-k
Wide-Amplum	amplə-	ah-m-p-l-aah
Heavy	grew--	g-er-ay-w
Heavy-Pesant	pəza-t-	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	əstr-ɛ--t--	aah-s-t-er-eh-t
Thin	mənu-t--	m-aah-n-u-t
Thin-Delicatus	dəlikat--	d-aah-l-e-k-ah-t
Thin-Subtilis	suptil--	s-u-p-t-e-l
Red-Russus	ro-s--	r-oh-s
Red-Vermiculus	bərmɛ--ʌ--	b-aah-r-m-eh-yuh
Red-Rubeus	ru-dʒe--	r-u-VdPalatoAlveolarSibilant-ay
Green	vɛr-t--	v-eh-er-t
One	'un--	u-n
Two-Duos	d-os	d-oh-s
Three	'tr-ɛs	t-r-eh-s
Four	kwa-t--rə	k-w-ah-t-er-aah
Five	'sɪŋk--	s-e-nya-k
Here	-a-k---i-	ah-k-e
There	ə-ʌa-	aah-yuh-ah
Who-Qui	k-i-	k-e
What	k-ɛ-	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	vo-s	v-oh-s
YouSingular	ty	t-eeh
Woman	fœ-m-----	f-OpenMidNearFrontRounded-m
Woman-Domina	dœm---	d-OpenMidNearFrontRounded-m
ManHumanBeing	-ɔm----	euh-m
Child	ɛ-fɑ-----	eh-f-NasalA
Mother	mɛ-r--	m-ay-VIUvularTrill
Fish-Pescion	p-ɛhð	p-eh-h-on
Bird-Avicellum	--u:-h-ɛ:----	U-h-Eh
Fruit	fry-----	f-VIUvularTrill-eeh
Flower	flø:ʁ--	f-l-o-rr
Nose	nɛ---	n-ay
Sun	sɔlə-	s-euh-l-euh
Moon	løn-	l-uu-n
Star	-st-ø:-l-	s-t-o-l
Water	ɛ:-w-	Eh-w
Rain	plu:-ʁ--	p-l-U-rr

Appendix 4 - Word Lists by Language

Lake	lak--	l-ah-k
Sea	meɣ-	m-ay-rr
Salt	se---	s-ay
Earth	t-ɛ:-ɤ-	t-Eh-rr
Sky	s-i:ɤ--	s-E-rr
Wind	v-ẽ----	v-ehn
Fire-Focus	f-ø:---	f-o
Year	ã----	NasalA
Name-Nomen	nõ---	n-on
Tongue	lẽu_---	l-eu_nasalized_diphthong
ToDrink	b---ø:ɤ-	b-o-rr
ToEat-Manducare	maɲ---i:--	m-ah-VdPalatalNasal-E
ToSuck	sysi:--	s-eeh-s-E
ToKnow-Sapere	sav-ø:R-	s-ah-v-o-VIUvularTrill
ToKnow-Cognoscere	ki-nõh----	k-e-n-euh-h
ToThink-Pensare	pẽ-se--	p-ehnn-s-ay
ToSleep	dwaɣmi--	d-w-ah-rr-m-e
ToDie	mõri--	m-euh-VIUvularTrill-e
ToKill-Tutari	tuw-e--	t-u-w-ay
ToFight-Battuere	bat-e--	b-ah-t-ay
ToHunt-Captiare	ʃɛ-s-i:--	ts-eh-s-E
ToCut-Taliare	tɛ--ji:--	t-eh-jg-E
ToSplit-Findere	fɛ-t--	f-ehnn-t
ToSplit-Partire	pɔ:rti--	p-LongOpenMidBackRounded-VIUvularTrill-t-e
ToDig-Cavare	çɑ:v-le	sh-aay-v-l-ay
ToSwim-Navigare	nɛ--dʒi:--	n-eh-VdPalatoAlveolarSibilant-E
ToFly	vøle--	v-euh-l-ay
ToWalk	ʃiminc--	ts-e-m-e-n-ay
ToWalk-Marcher	ma:Rʃi:	m-A-VIUvularTrill-ts-E
ToCome	vini--	v-e-n-e
ToLieAsInABed-lacere	dʒe--re	VdPalatoAlveolarSibilant-ay-r-ay
ToStand	ɛs----	ch-s
ToStand-Levare	løve--	l-aah-v-ay
ToStand-Altiare	hɔ:-s-i:	h-LongOpenMidBackRounded-s-E
ToTurnIntransitive	tu:rne-	t-U-r-n-ay
ToTurnIntransitive-AncestralClass3	viɤe--	v-e-rr-ay
ToFall	ʃf-ɛ:--R-	ts-Eh-VIUvularTrill
ToFall-Tumbare	tum-e-	t-u-m-ay
ToHold	tin-i--	t-e-n-e
ToSqueeze-Serare	se-ɾe--	s-eh-VIUvularTrill-ay
ToSqueeze-Stringere	stringe	s-t-r-e-n-j-ay
ToRub	froj----	f-r-øj_diphthong
ToRub-Frictare	fɾote--	f-rr-oh-t-ay
ToWash	lave--	l-ah-v-ay
ToWipe-Exsucare	--s-u-we--	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	lanc-i:-	l-ah-n-tya-E
ToTie	lɔji:--	l-euh-jg-E
ToSew	kø:--z----	k-o-zz
ToCount	kõ---te--	k-on-t-ay
ToSay	di:--ɤ	d-E-rr
ToSing-AncestralClass	ʃũ-te--	ts-NasalA-t-ay
ToPlay-Jiocare	dʒuw-e--	VdPalatoAlveolarSibilant-u-w-ay
ToFlow-Colare	køle--	k-euh-l-ay
ToFreeze	dʒale--	VdPalatoAlveolarSibilant-ah-l-ay

Appendix 4 - Word Lists by Language

ToBurn-Brojan	bʁu:le--	b-rr-U-l-ay
All-Totus	tɔ----	t-euh
Few	põ---	p-on
Other	õ-t---	on-t
Big-Grandem	gʁɑ̃---	j-rr-NasalA
Long-Longum	lõ-----	l-on
Heavy	grav--	j-r-ah-v
Small	pi-ti---	p-e-t-e
Short	ku:ʁ---	k-U-rr
Short-Brevis	bʁɛf--	b-rr-ay-f
Narrow-Strictus	-stʁ-ø:-----	s-t-rr-o
Thin	minu----	m-e-n-u
Thin-Subtilis	su:-ti---	s-U-t-e
Red-Rubeus	rɔ-ʃf---	r-euh-ts
Green	vɛʁ----	v-eh-rr
One	õ---	on
Two-Duos	d-ø:-	d-o
Three	tr-ø:-	t-r-o
Four	kwa-t----	k-w-ah-t
Five	sɛ̃-k--	s-ehn-k
There	--la-	l-ah
Who-Qui	k-i:-	k-E
What	kwe:-	k-w-Eh
When-Quando	kwand	k-w-ah-n-d
How-Quomodo	kɔmɛ--	k-euh-m-ehnn
Not-Nec	nɛ̃-	n-ehn
And-Et	ɛ-	eh

Friulian

Cognate	IPA	Sounds
I	j--o	jg-oh
We	no:--	n-O
YouPlural	vo:--	v-O
YouSingular	tu	t-u
Woman	fɛ-mi-n-ɛ	f-ch-m-e-n-eh
Woman-Mulier	mu--i:r--	m-u-E-r
Woman-Domina	dɔ--ne	d-euh-n-ay
ManHumanBeing	-ɔm----	euh-m
Wife-Mulier	mu-i:r-	m-u-E-r
Husband	mari:t--	m-ah-r-E-t
Husband-Sponsus	-spo:-s--	s-p-O-s
Mother	ma-ri-	m-ah-r-e
Fish-Piskem	pɛs---	p-eh-s
Bird-Avicellum	--u--ʃʃɛ-l--	u-ts-jg-eh-l
Fruit	fru--t--	f-r-u-t
Flower	flo:r--	f-l-O-r
Nose	na:s--	n-A-s
Sun-Soliculus	sore--li-	s-oh-r-ay-l-e
Moon	lune	l-u-n-ay
Star	-st-ɛ-le	s-t-eh-l-ay
Water	a-g-e	ah-j-ay
Rain	plo--je	p-l-oh-jg-ay
Lake	la:t--	l-A-t
Sea	ma:r-	m-A-r
Salt	sa:l--	s-A-l

Appendix 4 - Word Lists by Language

Earth	tjɛ-re	t-jg-eh-r-ay
Fog-Fumata	fumate	f-u-m-ah-t-ay
Sky	ʃ-i:l--	ts-E-l
Wind	'v-int--	v-e-n-t
Fire-Focus	f-u:k--	f-U-k
Year	a-ŋ--	ah-nya
Name-Nomen	nɔŋ--	n-euh-nya
Tongue	'leng-ɛ	l-eh-n-j-eh
ToDrink	bevi--	b-ay-v-e
ToEat-Manducare	maŋj--a:--	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	sav-e:--	s-ah-v-ai
ToKnow-Cognoscere	ko-ɲos-i--	k-oh-VdPalatalNasal-oh-s-e
ToThink-Pensare	peŋsa:--	p-ay-nya-s-A
ToFear	temi--	t-ay-m-e
ToFear-Tremere	trim-a:--	t-r-e-m-A
ToSleep	d-urmi:--	d-u-r-m-E
ToLive	vivi--	v-e-v-e
ToDie	muri:--	m-u-r-E
ToKill-Mactare	maʃ-a:--	m-ah-ts-A
ToFight-Battuere	bat-i--	b-ah-t-e
ToHunt-Captiare	ca-ʃ-a:--	tya-ah-ts-A
ToHit	pulsa:--	p-u-l-s-A
ToCut	s-e-a:--	s-ay-A
ToCut-Excurtare	--skurta:--	s-k-u-r-t-A
ToCut-Taliare	ta--ja:--	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	n-ada:--	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
ToCome	vipi:-	v-e-VdPalatalNasal-E
ToLieAsInABed-lacere	je-si--	jg-ay-s-e
ToSit-Sedentare	se--nta:--	s-ay-n-t-A
ToStand	-sta:--	s-t-A
ToStand-Levare	leva:--	l-ay-v-A
ToStand-Altiare	-altʃ-a:	ah-l-t-shh-A
ToTurnIntransitive	torna:--	t-oh-r-n-A
ToTurnIntransitive-Gyrate	ɖʒira:--	VdPalatoAlveolarSibilant-e-r-A
ToTurnIntransitive-AncestralClass3	ɖʒira:--	VdPalatoAlveolarSibilant-e-r-A
ToFall	ʃʃade--	ts-jg-ah-d-ay
ToHold	tinji--	t-e-n-jg-e
ToSqueeze	e-sprim-i--	ay-s-p-r-e-m-e
ToSqueeze-Stringere	strengi:--	s-t-r-eh-n-j-E
ToRub	fre-a--	f-r-ay-ah
ToWash	lava:--	l-ah-v-A
ToWipe-Exsucare	--s-u-ja:--	s-u-jg-A
ToPull	tira:--	t-e-r-A
ToPull-Pulsare	pulsa:--	p-u-l-s-A

Appendix 4 - Word Lists by Language

ToPull-Trahere	traj---	t-r-aj_diphthong
ToThrow-Lanceare	lanʃa:--	l-ah-n-ts-A
ToTie	le-a:--	l-ay-A
ToSew	ku--zi---	k-u-zz-e
ToCount	kon--ta:--	k-oh-n-t-A
ToSay	di:	d-E
ToSing-AncestralClass	canta:--	tya-ah-n-t-A
ToPlay-Jiocare	dʒuj-a:--	VdPalatoAlveolarSibilant-u-jg-A
ToFlow-Excurrere	--sko-ri:--	s-k-oh-r-E
ToFlow-Currere	ko-ri--	k-oh-r-e
ToFreeze-Glaciare	gla-ʃ-a:--	j-l-ah-ts-A
ToBurn-Brojan	bruza:--	b-r-u-zz-A
All-Totus	du-t--	d-u-t
Many	molc--	m-oh-l-tya
Many-Tantus	tanc--	t-ah-n-tya
Few	po:k-	p-O-k
Other	alt-ri	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
Heavy	grevi-	j-r-eh-v-e
Heavy-Pesant	pezant-	p-ay-zz-ah-n-t
Small-Pitulus	pi-ʃul--	p-e-ts-u-l
Short	kurt--	k-u-r-t
Narrow-Strictus	-str-e--t--	s-t-r-eh-t
Thin	minu:-t--	m-e-n-U-t
Thin-Subtilis	su-ti:l--	s-u-t-E-l
Red-Russus	ro-s--	r-euh-s
Green	ver-t--	v-eh-r-t
One	un--	u-nya
Two-Duos	d-oj-	d-oj_diphthong
Three	'tr-e:-	t-r-ai
Four	kwa-t--ri	k-w-ah-t-r-e
Five	'ʃɪŋk--	ts-e-nya-k
Here	-a-k---i-	ah-k-e
Who-Qui	kwi-	k-w-e
What	ʃ-e-	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	je-w	jg-ay-w
We	noj-	n-oj_diphthong
YouPlural	voj-	v-oj_diphthong
YouSingular	tu	t-u
Woman	fe-me--je	f-ay-m-ay-jg-ay
Woman-Mulier	mu-jere-	m-u-jg-ay-r-ay
Woman-Domina	doam-nə	d-midback_diphthong_romanian-m-n-aah
ManHumanBeing	-om----	oh-m
Wife-Mulier	mu-jere	m-u-jg-ay-r-ay
Husband	mərit--	m-aah-r-e-t
Husband-Socius	sots---	s-oh-VIAAlveolarSibilantAffricate

Appendix 4 - Word Lists by Language

Fish-Piskem	peſte-	p-ay-shh-t-ay
Bird-Passerem	pa-səre-	p-ah-s-aah-er-ay
Fruit	fru-kt--	f-r-u-k-t
Flower	floare-	f-l-midback_diphthong_romanian-er-ay
Nose	nas--	n-ah-s
Sun	soare-	s-midback_diphthong_romanian-er-ay
Moon	lună	l-u-n-aah
Star	-st-ea---	s-t-midfront_diphthong_romanian
Water	a-p-ə	ah-p-aah
Rain	ploa--je	p-l-midback_diphthong_romanian-jg-ay
Lake	lak--	l-ah-k
Sea	mare	m-ah-r-ay
Salt	sare-	s-ah-r-ay
Earth	ts-a-rə	VlAlveolarSibilantAffricate-ah-r-aah
Fog-Nebula	negură	n-ay-g-u-r-aah
Fog-Caecia	ſeaf-ə	ts-midfront_diphthong_romanian-ts-aah
Sky	ſ-er--	ts-ay-er
Wind	v-int--	v-eee-n-t
Fire-Focus	f-ok--	f-oh-k
Year	an---	ah-n
Name-Nomen	nume-	n-u-m-ay
Tongue	'limb-ə	l-e-m-b-aah
ToDrink	b---ea--	b-midfront_diphthong_romanian
ToEat-Manducare	min--ka--	m-eee-n-k-ah
ToBite-Morsicare	murseka--	m-u-r-s-ay-k-ah
ToSuck	sudſe--	s-u-VdPalatoAlveolarSibilant-ay
ToSpit-Exconspuere	-skujpa	s-k-u-jg-p-ah
ToKnow	ſti--	shh-t-e
ToKnow-Cognoscere	ku-noaſte--	k-u-n-midback_diphthong_romanian-shh-t-ay
ToThink	k-udſeta--	k-u-VdPalatoAlveolarSibilant-ay-t-ah
ToThink-Pensare	pə-sa--	p-aah-s-ah
ToFear	teme--	t-ay-m-ay
ToSleep	d-ormi--	d-oh-r-m-e
ToLive	vi-a--	v-e-ah
ToDie	muri--	m-u-r-e
ToKill	n-eka--	n-ay-k-ah
ToKill-Occidere	u-ſſide--	u-ts-e-d-ay
ToFight-Battuere	bat-e--	b-ah-t-ay
ToHit	pulsa--	p-u-l-s-ah
ToCut-Excurtare	--skurta--	s-k-u-r-t-ah
ToCut-Taliare	tə--ja--	t-aah-jg-ah
ToSplit	divide--	d-e-v-e-d-ay
ToSplit-Separare	separa--	s-ay-p-ah-r-ah
ToStab	pundſe--	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	merſe--	m-ay-r-VdPalatoAlveolarSibilant-ay
ToCome	veni--	v-ay-n-e
ToLieAsInABed	ekstinde--	ay-k-s-t-e-n-d-ay
ToLieAsInABed-lacere	zə-ſſea--	zz-aah-ts-midfront_diphthong_romanian
ToSit	ſ-eſea--	shh-ay-d-midfront_diphthong_romanian
ToStand	-sta--	s-t-ah
ToStand-Levare	l-ua--	l-u-ah
ToTurnIntransitive	turna--	t-u-r-n-ah
ToTurnIntransitive-Torquere	toarſe--	t-midback_diphthong_romanian-r-ts-ay
ToFall	kədeſa--	k-aah-d-midfront_diphthong_romanian

Appendix 4 - Word Lists by Language

ToHold	tsin-e--	VAlveolarSibilantAffricate-e-n-ay
ToSqueeze	-sk-reme--	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	u-s--k-a--	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	a-runʒka	ah-er-u-nya-k-ah
ToTie	lega--	l-ay-j-ah
ToSew	coʒa--s-e--	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	zu-ka--	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	ing-ets-a--	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	to-t--	t-oh-t
Many	mult--	m-u-l-t
Other	alt---	ah-l-t
Big-Majjorem	ma---re	m-ah-er-ay
Long-Longum	lung--	l-u-n-j
Long-Largum	larg--	l-ah-r-j
Wide	lat--	l-ah-t
Heavy	grew--	j-er-ay-w
Small-Pittinus	pu-tsin--	p-u-VAlveolarSibilantAffricate-e-n
Narrow	ingust--	eee-nya-j-u-s-t
Narrow-Strictus	-str-im-t--	s-t-r-eee-m-t
Thin	mərunt--	m-aah-r-u-n-t
Thin-Subtilis	subtsire-	s-u-b-VAlveolarSibilantAffricate-e-r-ay
Red-Russus	ro-ʃu-	er-oh-shh-u
Red-Rubeus	roj-b---	r-oj_diphthong-b
Green	ver-de-	v-ay-er-d-ay
One	unu-	u-n-u
Two-Duos	d-oj-	d-oj_diphthong
Two-Duae	dowə	d-oh-w-aah
Three	tr-ej-	t-r-ej_diphthong
Four	p-a-t--ru	p-ah-t-r-u
Five	ʃinʃ--	ts-e-n-ts
There	--la-	l-ah
Who-Quem	ʃ-inē	ts-e-n-ay
What	ʃ-e-	ts-ay
When-Quando	k-ind	k-eee-n-d
How-Quomodo	kum---	k-u-m
Not	nu-	n-u
And-Et	e-	ay
And-Si	ʃi-	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			c ɟ	k g			
Sibilant, Fricative						s z	ʃ ʒ						
Fricative	β		f v		θ ð				ç ʝ	x ɣ	ʁ		h
Approximant								ɻ	j				
Tap/Flap						ɾ							
Trill						r					R		
Lateral, Fricative													
Lateral, Approximant						l			ʎ				
Lateral, Tap/Flap													

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

Non-Pulmonic Consonants

Manner	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

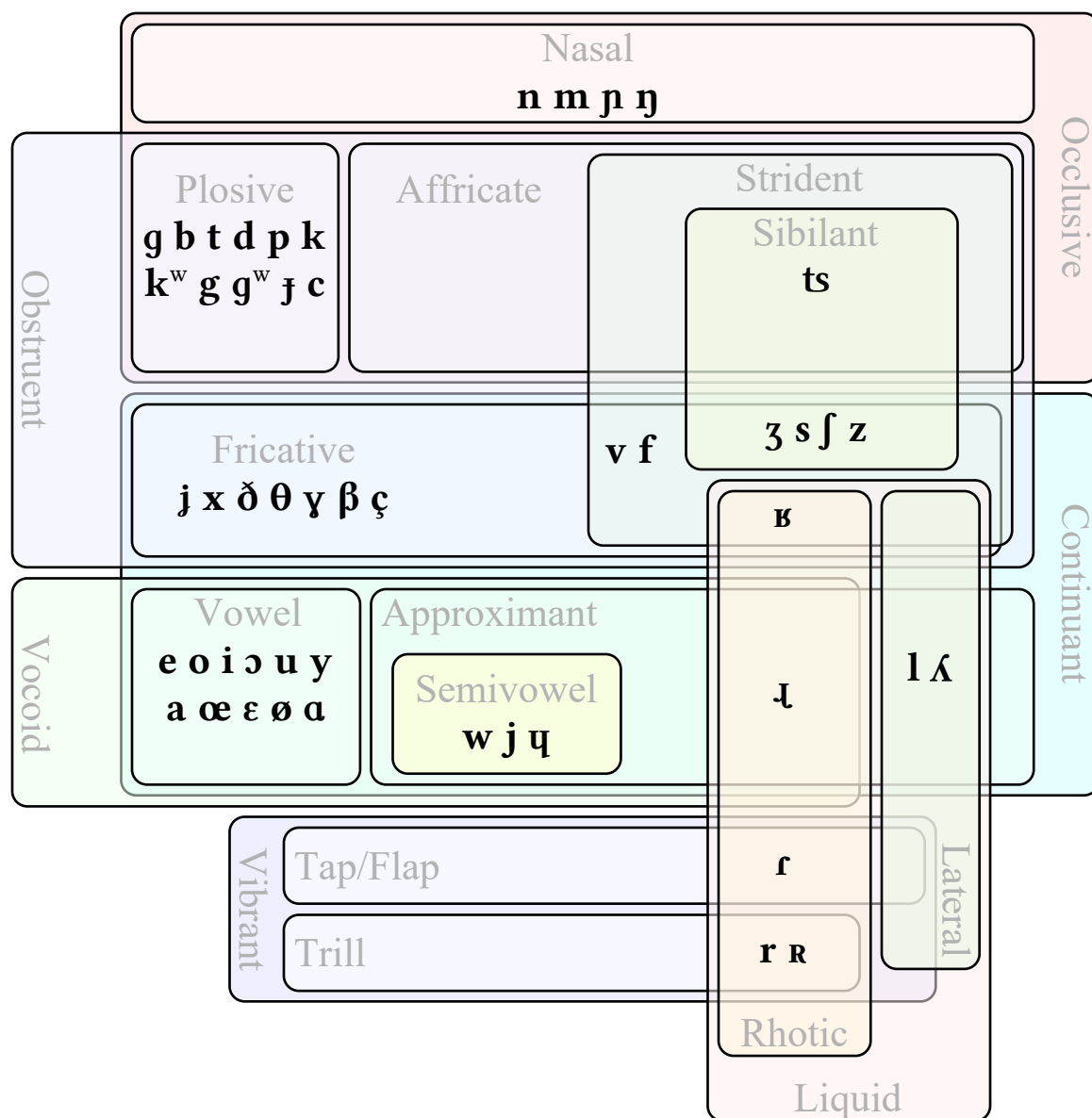
Other Segments

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	ẽj Mid Front Nasal Vowel Diphthong
ɔ̃ Open-mid Back Rounded Nasal Vowel	ã Near-close Back Nasal Vowel
ĩ Close Front Nasal Vowel	ẽ Near-open Central Rounded Nasal Vowel
ʈʃ Palato-Alveolar Pulmonic Sibilant Affricate	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
θ Dental Pulmonic Fricative Obstruent Continuant	ej Mid Front Vowel Diphthong
ɐj Mid Front Vowel Diphthong	õ Close-mid Back Rounded Nasal Vowel
ɛ: Open-mid Near-Front Vowel Long Vowel Continuant	ɥ Labial-Palatal Vowel Semivowel Voiced Approximant Continuant
ø: Open Front Rounded Vowel Long Vowel	ɭ Alveolar Voiced Velarized Pulmonic Lateral Approximant
ɛj Mid Front Vowel Diphthong	ø Close-mid Front Rounded Vowel Vowel Continuant
ɐ Mid Front Vowel Diphthong	k Labial-Velar Pulmonic Stop Occlusive
ɣ Velar Voiced Pulmonic Fricative Obstruent Continuant	aj Mid Front Vowel Diphthong
g Velar Voiced Pulmonic Stop Occlusive	ẽ Close Back Nasal Vowel
ŋ Velar Voiced Pulmonic Nasal Occlusive	g Labial-Velar Voiced Pulmonic Stop Occlusive
ẽ Mid Front Nasal Vowel Diphthong	ɑ Open Back Vowel Vowel Continuant
β Bilabial Voiced Pulmonic Fricative Obstruent Continuant	ʃ Palatal Voiced Pulmonic Stop Occlusive
c Palatal Pulmonic Stop Occlusive	ẽ Open-mid Near-Front Nasal Vowel
ɔ: Open-mid Back Rounded Vowel Long Vowel Continuant	ũ Open Back Nasal Vowel
ɭ Retroflex Vowel Voiced Pulmonic Approximant Rhotic Liquid	ç Palatal Pulmonic Fricative Obstruent Continuant
ɑ: Open Back Long Vowel	j Palatal Nasal Approximant
œ Open-mid Near-Front Rounded Nasal Vowel Diphthong	a Mid Front Vowel Diphthong
ʊ Near-close Near-Back Rounded Vowel	ẽ Mid Front Nasal Vowel Diphthong

Appendix 6 - Euler Feature Diagram

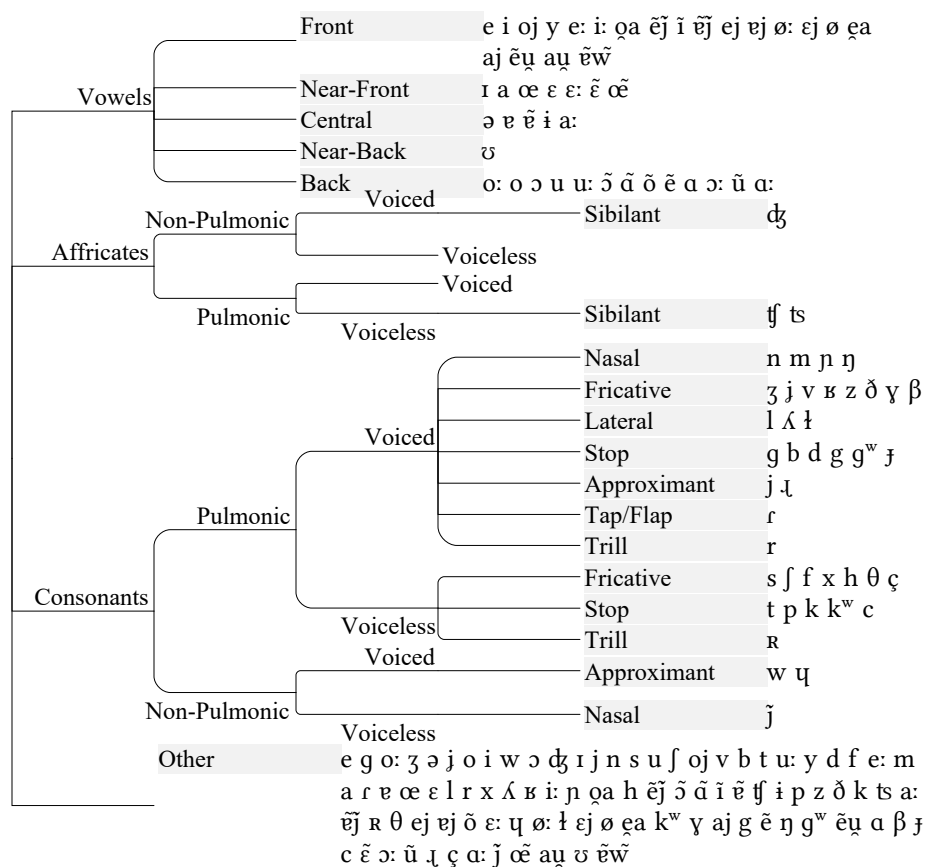


Appendix 7 - International Phonetic Alphabet

IPA Segments

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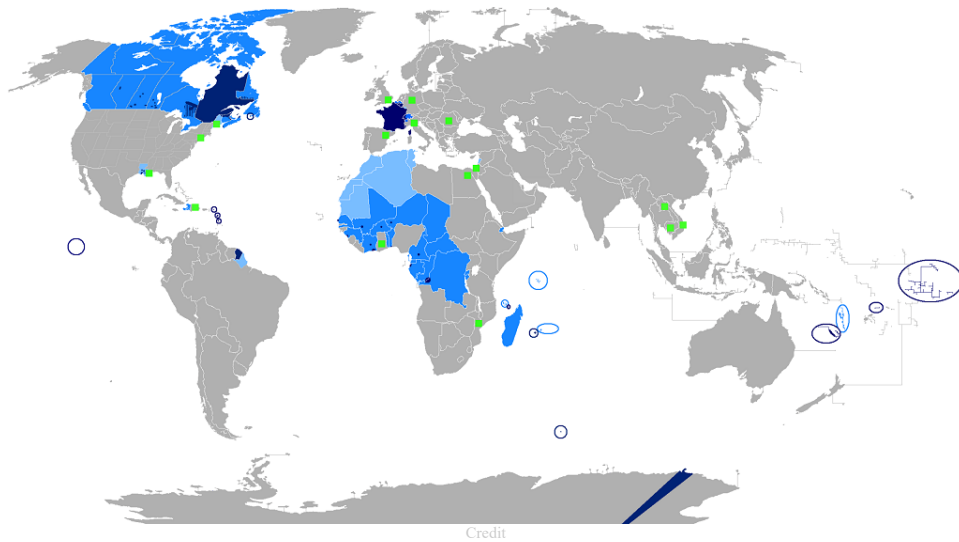
Appendix 8 - Feature Tree



Appendix 9 - Diacritics

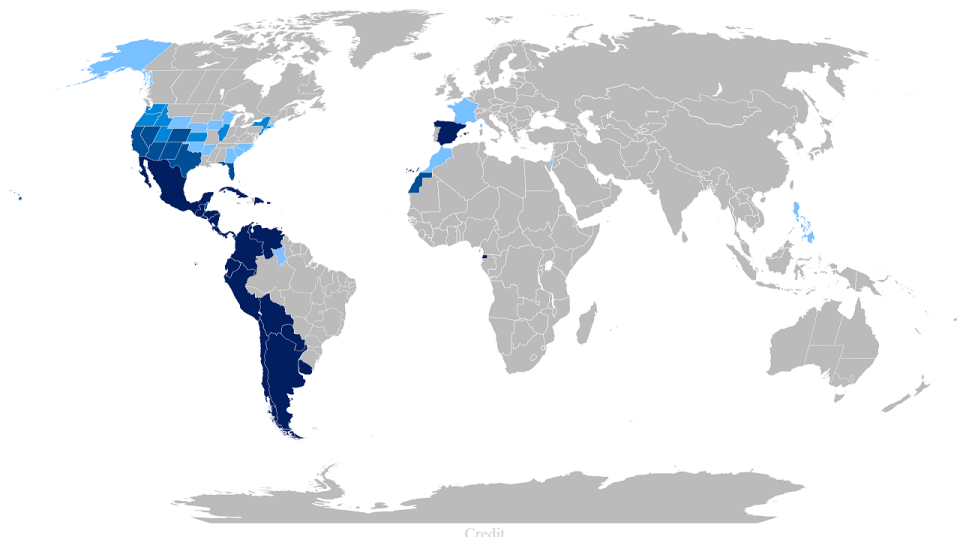
Diacritics

	Undefined escape character	~	Nasalized	..	Centralized
+	Advanced	-	Retracted	˘	RisingTone
◦	Voiceless		Implosive	˙	Syllabic
ˈ	Ejective	Ɂ	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
Ɂ	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	1	Ready made combination
→	Becomes		Separator		



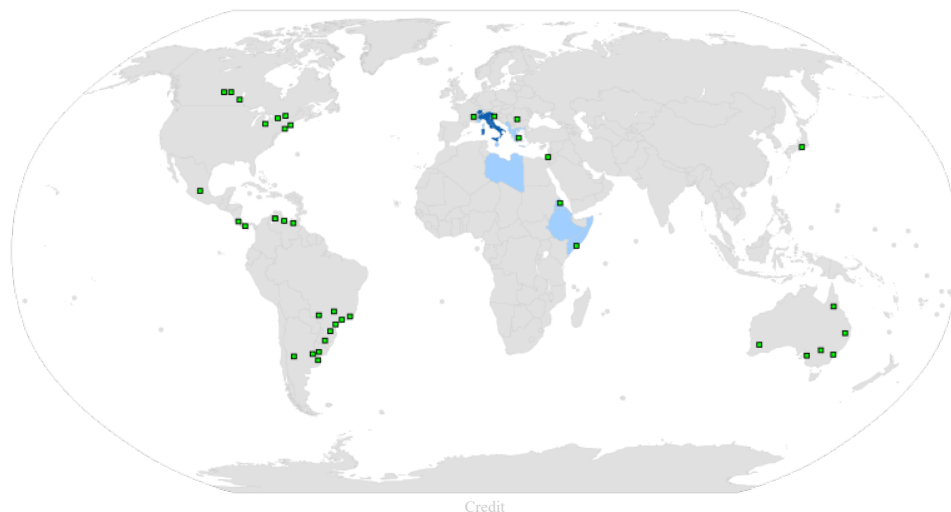
French was also influenced by native Celtic languages of Northern Roman Gaul like Gallia Belgica and by the (Germanic) Frankish language of the post-Roman Frankish invaders. Today, owing to France's past overseas expansion, there are numerous French-based creole languages, most notably Haitian Creole. A French-speaking person or nation may be referred to as Francophone in both English and French.

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.

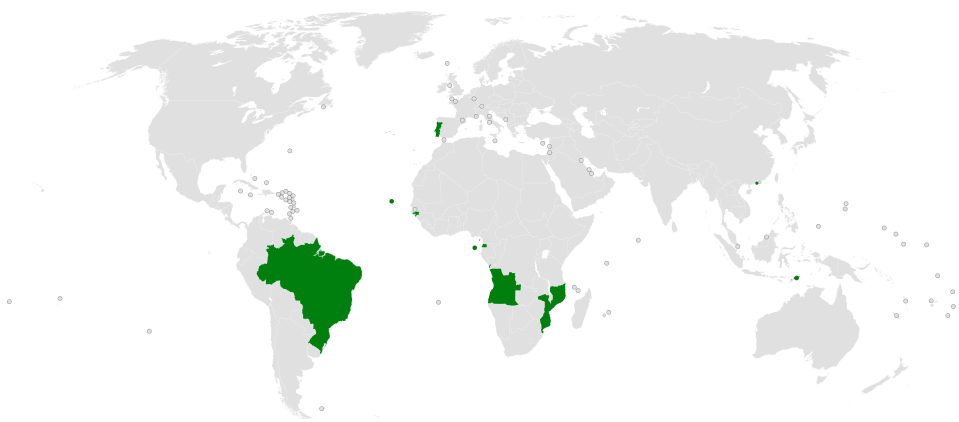
Brazilian Portuguese



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 Carce 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 Carce 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



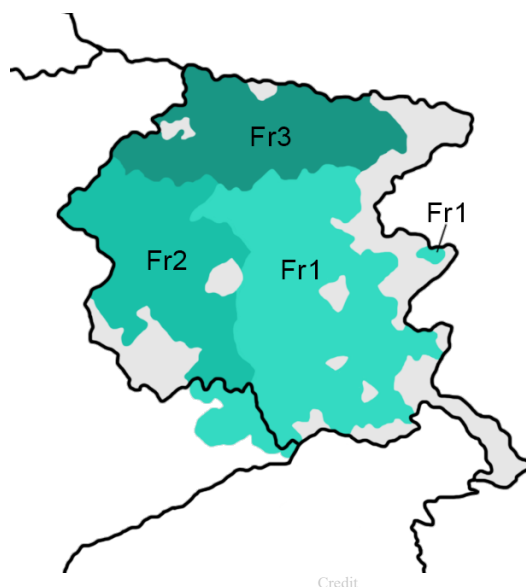
Credit

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".