

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

Appendix 2 - Symbols

μ	Rate of segment deletion
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
f	Estimation function

Appendix 3 - Segments used in the word list

Char.	Segment	Words containing this segment
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Appendix 3 - Segments used in the word list

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e ego:, ew, jew, usted, vose, vose, voste, embra, femmina, femev, femjə, fembra, femeje, mulierem, muxer, moλλe, muλeκ, muλer, muλe, mujere, dōne, hominem, ombre, infantem, infante, fante, nenēj, nen, epuz, esposa, mulier, muxer, moλλe, muλeκ, muλer, muλe, mujere, epu, esposo, ma:trem, meκ, maðre, ma:dre, meκ, piskem, peθ, peſſe, peſ, peſte, awem, abe, awikellum, useλ, passerem, passero, pasəre, flo:rem, fjo:re, floare, ne, nariſe, so:lem, sole, sɔare, soreli, lune, etwal, estreja, stella, istrelə, iſtrelə, stele, age, ploje, plɔaje, mare, meκ, sa:lem, sale, se, sare, terra, teκ, tjera, teκə, tjere, ka:li:ginem, kaliɖine, nebula, njebla, nebbja, newlə, negurə, tene:braj, te:nebre, tene:bra:s, tenəbκ, tinjeblas, te:nebre, tənebrəs, fyme, fumate, θjelo, tfer, wentum, bjento, ben, fwego, no:men, no:me, nume, no:minem, nombre, leŋgwa, bibere, beber, bere, bebeκ, biſer, bevi, komedere, komer, kome, kumer, manduka:re, māze, manɖare, morde:re, morðer, mɔrdere, moɔdeκ, murðer, morsika:re, morsikare, murseka, su:gere, syse, suɖe, konspuere, kōspyer, eskupir, sputere, esputar, sputare, skire, sapere, saber, sabek, səber, kogno:skere, konoθer, konoffere, kopeseκ, kupiser, kunɔafte, ko:gita:re, kɔide, koɖitare, kuɖeta, pe:nsa:re, pāse, pensar, pensare, pēse, penſa:, time:re, temer, temere, temek, timer, temə, temi, teme, tremere, tremer, tremare, tremek, trimer, dormire, dormire, wi:were, vivere, viveκ, viver, morire, moxek, muver, neka:re, nwaje, neka, anegar, annegare, tpe, tuwe, makta:re, mate, okki:dere, utfidere, ufide, pugnare, puɲnare, battuere, battere, bateκ, beter, bate, kaptia:re, fase, katfare, pulsa:re, puse, pulsare, seka:re, sje, segar, segare, segaκ, sea:, kurtare, ekskurta:re, ekuɔte, skortare, talia:re, tqje, taλλa:re, di:widere, dividere, divide, skindere, sēde, findere, findere, ender, fendere, fēdeκ, fēder, parti:re, partire, se:para:re, səvke, separar, separare, separaκ, separa:, separa, pungere, punɖere, punɖe, jugulare, zygye, jugula:re, ra:dere, raer, radere, ɔaek, ɔver, rade, ɔaze, rasare, fodere, kawa:re, kavare, ɔa:ve, ekskawa:re, eskabar, skavare, nata:re, nwotare, naviga:re, naze, nabegar, navigare, wola:re, vole, volare, vɔle, zvolare, fəmine, kamminare, tfinine, maɔse, mergere, merɖere, merɖe, ambita:re, andare, weni:re, benir, venire, veni, ekstendere, etāɔk, ekstender, estendere, istēdeκ, iſtēder, əstendrə, ekstinde, jake:re, zezik, jaθer, ɖaɔfe:re, zəzek, zəzer, ɖere, jesi, sede:re, ser, sedere, seκ, fedɔa, sedenta:re, sentar, senta:, stare, estar, stare, leva:re, ləve, jebar, levare, levaκ, leva:, altia:re, ose, altsare, tornare, tuɔne, tornare, tu:rne, gyra:re, ziɔe, ɖirare, viɔe, virare, tork^w:re, torθer, torɔfere, turser, tqartfe, kadere, kaer, kadere, tɔjade, tōbe, tume, tene:re, tener, tenere, teκ, ter, tsine, segurar, esprimere, epwēɔk, ekspremir, spremere, iſprəmek, iſprəmer, əspremə, esprimi, skreme, serrere, serar, seka, serare, seke, θerar, serrare, sere, appetora:re, apretar, stringere, etwēɔk, estreɲir, strinɖere, stringe, strinɖe, frika:re, fweje, fregar, fregare, frea, freka, frikta:re, frote, frettare, lawa:re, lave, lavare, tergere, terɖere, ekstergere, estarsir, sterɖe, eksuka:re, esqije, enxugar, affugare, suwe, limpida:re, tira:re, tiɔe, tirare, tire, puse, trahere, trarre, traze, trezer, traɖe, impingere, impinɖere, impinɖe, jakta:re, zote, efar, ɖettare, ɖete, lankea:re, lāse, lanɔfare, erunka:re, arronɔfare, liga:re, lie, legar, legare, lea:, lega, apta:re, ko:nsuere, koser, kuɔfire, kuzer, ɔase, komputa:re, kōte, kontare, e:numera:re, enumeke, enumerar, enumerare, enumera, di:kere, deθir, dire, dizer, ziſe, ekspo:nere, sporre, spune, kantare, fāte, kantare, tɔāte, lu:dere, joka:re, zwe, ɖokare, ɖuwe, flu:ktua:re, flyktpe, fluttuare, fluita:re, fluitare, fluere, flye, fluire, ko:la:re, kule, kolare, kɔle, ekskurrere, eskurir, skorrere, iſkoɔek, iſkurer, skurɖe, kurrere, korer, korrere, koɔek, kuɔer, kurɖe, gela:re, zəle, elar, ɖelare, ɖale, glakia:re, glase, gjattɔfare, inglakia:re, ingetsa, bɔyle, bruɔfare, bɔu:le, krema:re, kɔame, kemar, kremare, keɔmare, keɔmare, flamma:re, flābe, flamear, fjammare, arde:re, arder, ardere, aɔdeκ, vder, arde, flagra:re, flagɔe, flagrare, inkendere, ēsāɖje, enθender, inɔendjare, isenɖjar, ənsendrə, inɔindze, ustula:re, ustolare, alter, grandem, grande, grande, majjorem, mare, le, grabe, greve, grew, grew, lerdo, pesaɔo, pesante, pezadu, pezant, pekeno, pekenu, pikenu, brewis, brebe, breve, brew, bɔef, etɔwa, estreɔo, stretto, menudo, delyaɔo, delikato, dewgadu, subtiɔem, sottile, subtsire, ruber, vermikulus, bermexo, vermiλλo, vɔmeλu, rubeus, rubeo, ruɖe, wiridem, vɔk, berde, verde, verdi, verde, due, tres, tre, tref, k^w:ink^we, tfinke, ekkumhi:k, k^wem, kien, tfine, ke, tfe, kome,

Appendix 3 - Segments used in the word list

1	g	ego:, agwə, lago, lagu, ka:li:ginem, negurə, fwego, fogu, lāg, lengwa, lingwa, līgwe, musəga, musəgar, su:gere, sugaḡ, sugar, kogno:skere, ko:gita:re, nəga, anegar, annegare, segaḡ, pungere, jugula:re, zygye, nabegar, navigare, nəbəga, naviga, segurar, siguraḡ, fregar, frəga, iffrigar, tergere, ekstergere, enxugar, affugare, ɛfugar, ɛfuga, liga:re, legar, legare, zogaa, zuga, flugtwar, gela:re, glakia:re, glase, gjatfjare, gləsa, inglakia:re, flagra:re, flagke, flagrar, flagrare, flagrar, awgū, ałgū, əlgu, gḡā, grande, grande, grēḡi, grēdi, longum, lungu, lōgu, largo, laḡu, largu, grawis, gḡav, grabe, greve, gravi, gravi, grew, angustus, angosto, angusto, dewgadu
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:gita:re, ko:nsuere, ekspo:nere, ko:la:re, to:tus, po:k, duo:s, k ^w ando:, k ^w o:modo, no:n
3	z	zə, zə, pluza, kalizēj, kəlizēj, māze, mēzaḡ, mēzar, mənza, kuzitaḡ, kuzitar, pūzix, pūzir, zygye, naze, zezix, zezex, zezex, zawrə, zixə, zixar, zira, ɛftrizir, ɛftrizir, ɛstərzi, zəte, zejtar, zwe, zogaa, zuḡar, zuga, zuka, zəle, zilar, zəla, inɟindze, laḡz, du:ze:, ɤuz
4	ə	zə, dənə, dɔamɔə, ɔmə, ɛspɔzə, mərɪt, ɛspɔs, marə, pasəre, ɬunə, lunə, ɛstəl, ajɣwə, apə, pluza, tərə, tsarə, newlə, negurə, tənəbrəs, ɟəatɟə, limbə, bəwɔrə, mənza, musəga, musəgar, musəya, ɛskupi, səβe, kunɛfə, pənsa, pəsa, temə, biwɔrə, nəga, mətə, batrə, kəsa, səya, təɬa, təja, fəndrə, pərɪti, sənvə, səpəra, rawrə, rəza, rəska, kəba, nəda, nəbəga, ɟəmine, kəmina, vənix, bəni, ɛstəndrə, zawrə, zəɟɟə, ɛsta, ləve, ɬəba, əlsa, tɔrsə, kawrə, kədɟə, tənix, təni, ɪsprəmə, ɪsprəmer, ɛsprəmə, sərar, səra, ɛftrizir, ɛftrizir, ɛstɔrɔ, frəga, frəsa, ɛstərzi, ɛfuga, trəwɔrə, ɛmpɔrə, zəte, ɬənsa, kəntə, ɛskorə, korə, zəle, zəla, gləsa, krəma, ɛnsəndrə, əlgu, altrə, amplə, pəzā, pəzat, pəti, pətit, ɛstɔrɔ, mənɣ, mənɣ, mənɣ, mənɣ, dəlɪkat, bərmɛɬ, dowə, kwatrə, əɬa
5	j	jo, estreja, jubja, jaθer, jebar, aja
6	o	jo, io, jo, nos, no, bos, voɟ, vos, vose, voste, moɬɬe, domina, doɔa, donə, hominem, ombre, omēj, om, homo:, wɔmo, nɪɔo, nino, sponsa, esposa, ispoza, ɪspoze, moɬɬe, mariðo, marito, sponsus, esposo, spɔzo, ispozu, ɪspozu, sokius, səɟo, soɟs, wazo, utɟello, paxaro, passero, fruto, frutto, flor, floḡ, naso, na:so, sol, sole, solikulus, soreli, o, pɔddɟa, ploje, lago, lago, θjelo, ɟelo, bjento, vɛnto, fokum, fwego, fwəko, fogu, foyu, fok, apo, anno, nomi, nomi, nombre, komedere, komer, kome, morde:re, moḡdɟ, moḡdɟ, moḡdɟ, morsika:re, moskar, morsikare, konspuere, kogno:skere, konoθer, konoffere, kɔnesə, kɔnosi, koḡitare, dormire, dormir, dormire, doḡmɪḡ, dormi, morir, morire, moḡə, okki:dere, kortar, koḡtaḡ, skortare, kosaɬ, fodere, nwotare, wola:re, vole, bolar, volare, voaḡ, zvolare, zvoɬa: ose, tornare, tornar, tornare, toḡnaḡ, tornar, toḡk ^w ere, toḡθer, apɛktorare, frəte, frotar, arronɟare, koser, komputa:re, kontar, kontare, kontar, sporre, joka:re, ɟokare, zogaa, kolar, kolare, koaḡ, skorrere, ɪkɔḡə, ɛskorə, skori:, korer, korrere, koḡə, korə, kori, ustolare, omne:s, oɔɔi, todo, tutto, todɔ, toḡu, tot, muɟo, molto, mol, molc, tanto, okə, alguno, alkuno, poko, pɔko, powku, oḡ, otro, altro, owtru, maɔo, maɔo, majjorem, longum, longo, lungu, ɬoɔ, larɔo, largo, lato, anɟo, ampjo, lerdo, lordo, pesaḡo, pekeɔo, pitɟino, pikkolo, korto, korto, angosto, angusto, estɟɟo, stretto, menudo, minuto, delyaḡo, delikato, sottile, rubro, roxo, rosso, ɤoɟv, ɤoɟu, ros, roɟu, bermexo, vermiɬɬo, rubjo, rəbbjo, rubeo, uno, dos, dowə, k ^w attwor, kwatro, kwattro, θinko, kwando, k ^w o:modo, komo, kome, komu, no, non

Appendix 3 - Segments used in the word list

7	i	io, no:i, vo:i, fe:mina, femmina, femine, mulierem, domina, hominem, infantem, infante, ifēfji, ni:jo, nino, ispoza, mulier, mari, mariðo, marito, maridu, meriðu, marit, mērit, ispozu, sokius, mari, piskem, pejfi, avi, awikellum, fəqi, nariθ, nariſe, naris, nēriſ, solikulus, soreli, istrele, pluwia, plqi, ka:li:ginem, kalina, kalidžine, kalizēj, kēlizēj, tinjeblas, kajkia, vint, nomi, no:minem, ling ^w a, lingwa, limbə, bibere, bevi, mwardi, morsika:re, morsikare, kuspik, kuſpir, eskupir, əskupi, fti, kinəh, ko:posi, ko:gita:re, kuide, kwidar, kođitare, kuzitaɁ, kuzitar, time:re, temi, trima:, dəxmik, dormir, dormire, dəxmik, durmir, durmi, dwaɁmi, dormi, vivə, bibir, vivere, viveɁ, viver, biwrə, vivi, via, muɁik, morir, morire, muri, məri, muri, tu:ta:ri, əksik, utfidere, uksi, ufide, batir, bati, kaptia:re, ta:lia:re, di:widere, dibidir, dividere, đividžik, dividir, dibidi, dividi, divide, skindere, findere, findere, partik, partir, partire, paſtik, pertir, pēti, pə:rti, pūzik, pūzir, puni, fwik, ifkəvaɁ, ifkəvar, naviga:re, navigare, naviga:, naviga, fəmine, kaminar, kamminare, kəmiɁar, kəmiɁar, kəmina, fimine, camina:, ambitare, vənik, benir, venire, viɁ, vir, bəni, vini, vini:, veni, istēdek, iftēder, ekstinde, zezik, jesi, altia:re, žike, xirar, đirare, žirar, žira, đirar, vike, birar, virare, virar, bira, kēir, tənik, tēni, tini, tinji, tsine, esprimere, ekspremir, ifprəmek, ifprəmer, esprimi, stringere, estrenir, strindžere, əſtrizir, əſtrizir, stringe, frika:re, frikta:re, frisar, estarsir, əstərzi, esqije, limpidare, limpjar, tirare, tike, tirar, tirare, fira, tira, tire, tira:, impingere, impindžere, impindže, xita, ligare, lie, liya, kuſfire, kuzi, kuzi, diɁ, deθir, dire, dizer, di, ziſe, ludir, fluita:re, fluitare, fluir, fluire, flwik, flwir, flui, eskurir, ifkoɁek, ifkurer, kuɁik, kori, glakia:re, inglakia:re, inkendere, inſendjare, inſindže, opri, altri, alius, grēđi, grawis, gravi, grevi, pittitus, pēti, pētit, piti, pittinus, pittino, putsin, pitulus, pikkolo, pitful, brewis, brēvi, striktus, istrejt, minu:tus, minuto, miudu, miuðu, minu, minu:t, de:lika:tus, delikato, dəlikat, sutil, sottile, sufiw, suptil, su:ti, subsire, vermikulus, vermiλλo, wiridem, kwatri, θinko, fiſkwe, siſk, fiſk, fiſf, isi, aki, kwi, eki, illa:k, ibi:, vi, ai, ei, k ^w is, ki, kwi, fine, k ^w id, ni, i, fi
8	w	ew, jew, wo:s, wəmo, pwasə, awem, aw, awikellum, wazo, səw, etwal, aywa, akkwa, agwe, ajywa, ə:w, pluwia, saw, nevwe, newlə, səw, wentum, fwego, fwəko, lengwa, lingwa, ligwə, bwəɁ, bewrə, mwardi, sawwaɁ, kwidar, dwaɁmi, wi:were, biwrə, nwaje, tuwe, di:widere, pwēdɁ, rawrə, fwik, kaware, ekskaware, nwotare, wola:re, vwar, weni:re, zawrə, swaɁ, fwaɁ, kawrə, lawa:re, suwe, tɁewrə, zwe, đuwe, flugtwar, flwik, flwir, awgū, powku, owtru, aw, grawis, grew, grew, brewis, brew, etkwa, dewgadu, sufiw, wiridem, dowə, tɁwa, k ^w attwor, kwatro, kwattro, kwatru, kwatrə, kwat, kwatri, fiſkwe, kwi, kwi, kwa, kwē, kwando, kwēdu, kwan, kwand, kwant
9	o	zo, no:js, no:f, vo:js, vose, dənna, dənə, dōne, əm, əmēj, əmə, əm, wəmo, spəza, əspəzə, spəzo, əspəz, səfo, flə, səw, səf, səl, sələ, səlej, njoly, fwəko, fək, nəm, nəj, mardere, kənətɁ, kinəh, dəxmik, məri, əksik, vōle, təɁdɁ, tərſere, tərsə, ləji:, kəle, tə, pəko, pək, rəs, rəbbjo, rəf, kəmə, kəm, kəmə
10	đ	đi, pjodđa, kalidžine, mandžare, suđe, kođitare, kuđeta, đividžik, punđere, punđe, nəđi:, merđere, merđe, đatſe:re, đere, đirare, đira:, strindžere, strindže, terđere, fterđe, trađe, impindžere, impindže, đettare, đete, đokare, đuwe, đuja:, skurđe, kurđe, đelare, đale, isendžiar, grēđi, ruđe
11	ɪ	đi, na:ris, isendžiar

Appendix 3 - Segments used in the word list

12	j	jo, jew, nɔjs, vɔjs, femjə, femeje, mujere, mujere, uʃjɛl, fruʃt, fjo:re, jubja, pjodɕa, ploje, plɔaje, tjera, tjere, njɔly, njebla, nebbja, tinjeblas, sjɛl, ʈjelo, bjento, skuʃpa, kujda, sje, taje, teji:, taja:, tɔja, jugula:re, jugula:re, jake:re, jesi, ʃjade, tinji, esqije, suja:, limpjar, jakta:re, lɔji:, joka:re, ɕuja:, gʃatʃjare, fʃammare, ɛsɔdʒe, inʃɛndjare, ʃsɛdʒar, majjorem, ampjo, rubjo, rɔbbjo, kjen
13	n	no:s, nu, nos, no:i, nɔjs, nɔʃ, no, no:, noj, fe:mina, femmina, femine, domina, dɔnna, donɐ, dɔnɔ, dɔne, dɔamnɔ, hominem, infantem, infante, fante, niɲo, nino, nenɛʃ, nen, sponsa, sponsus, na:sus, ne, naso, na:so, nas, na:s, nas, nariθ, nariʃe, naris, nɛriʃ, na:ris, lu:na, lyn, luna, ʎunɔ, lɔn, lune, lunɔ, ka:li:ginem, kalina, kaliɕine, nebula, njɔly, njebla, nebbja, nɛvɔɐ, newlɔ, negurɔ, tene:braj, tɛ:nebre, tene:bra:s, tenɛbɐ, tinjeblas, tɛ:nebre, tɛnebrɔs, wentum, bjento, vento, ben, vint, vint, annum, anno, ɐnu, an, no:men, nɔ, no:me, nomi, nomi, nɔm, nɔ, nɔɲ, nume, no:minem, nombre, ling ^w a, lingwa, lɛngɛ, manduka:re, mandukar, mandɕare, minka, konspuere, kogno:skere, kɔnɛɐ, konoθer, konoffere, kunɛʃɔ, kinɔh, kunɔʃte, pe:nsa:re, pensar, pensare, pɔnsa, neka:re, nwaje, nɛga, neka, anegar, annegare, pugna:re, skindere, ʃindere, findere, ender, fɛndere, fɛndrɔ, pungere, punɕere, punɕe, nata:re, nadar, nwotare, nadaɐ, nɛðar, nɔda, nada:, naviga:re, naʒe, nabegar, navigare, naviɲɐ, nɛviɲar, nɔbɔga, nɛɕi:, naviga:, naviga, ʃəmine, kaminar, kamminare, kəmina, ʃimine, camina:, andar, andare, wen:re, vɔniɐ, benir, venire, bəni, vini, veni, ekstendere, ekstender, estendere, ɛstɛndrɔ, ekstinde, sedenta:re, sentar, senta:, torna:re, tuɐne, tornar, tornare, tɔɐnaɐ, turnar, turna, tu:rne, torna:, turna, tene:re, tɔniɐ, tener, tenere, tɔni, tini, tinji, tsine, stringere, strinɕere, stringe, strɛngi:, strinɕe, enxugar, impingere, impinɕere, impinɕe, lanke:re, lanθar, lanʃare, ʎɔnsa, lanci:, lanʃar, ɛ:runkare, arankar, arronʃare, ko:nsuere, kontar, kontare, konta:, ɛ:numera:re, enumeɐe, enumerar, enumerare, enumera, numara, ekspɔ:nere, spune, kanta:re, kantar, kantare, kɔnta, canta:, kinta, inglakia:re, ingetsa, inkendere, enθender, inʃɛndjare, ʃsɛndʒar, ɔnsɛndrɔ, inʃindʒe, omne:s, tantus, tanto, tant, tanc, alguno, alkuno, magnum, grandem, grande, grande, gran, grant, longum, longo, lungo, lunk, lung, anʃo, pe:sant, pesante, pezant, pittinus, pitʃino, pekenu, pikenu, putsin, angustus, angosto, angusto, minutus, mɔny, menudo, minuto, mɔnut, minu, minu:t, mɔrunt, u:num, uno, un, unu, k ^w i:nk ^w e, θinko, ʃinʃ, kjen, ʃine, k ^w ando:, kwando, kwan, kwand, kwant, kind, no:n, nɔ, no, non, nɛw, nu, nek, ni, ne, nɛʃ, nɛʃ, nɛ

Appendix 3 - Segments used in the word list

14	s	no:s, nos, nɔjs, wo:s, bos, vɔjs, bus, vos, usted, vose, vɔse, voste, sponsa, esposa, spɔza, ispoza, əspɔzə, mari:tus, sponsus, esposo, spɔzo, ispozu, əspɔs, spo:s, sokius, sɔʃo, sots, piskem, pɛs, pwasɔ, useɹ, passerem, passero, pasɛru, pasəre, fru:ktus, nɑ:sus, naso, nɑ:so, nas, nɑ:s, nas, naris, nɑ:rɪs, so:lem, sol, sole, sɔw, sɔʃ, sɔl, sɔlɔ, sɔare, solikulus, sɔlej, soreli, ste:lla, estreja, stella, istrelɐ, əstɛl, stɔ:l, stɛle, stɛa, sa:lem, sɛl, sal, sale, saw, se, sa:l, sare, tene:bra:s, tinjeblas, tɛnebrəs, fumase, sjɛl, sɛw, sɛl, si:ʁ, morsika:re, moskar, morsikare, musəga, musəgar, musəya, murseka, su:gere, syse, sugaʁ, sugar, sysi:, suɖje, konspuere, kɔspye, kuspɪʁ, eskupɪr, əskupi, skujpa, sputere, esputar, sputare, spuda:, skire, sapere, savwaʁ, saber, sabɛʁ, səber, səβɛ, savø:r, save:, kogno:skere, kɔneseʁ, kupiser, kɔnosi, pe:nsa:re, pɔse, pensar, pensare, pɛsaʁ, pɛsar, pənsa, pɛse, peɲsa:, pəsa, ɔksiʁ, uksi, ʃase, kasəʁ, kəsar, kəsa, ʃɛsi:, pulsa:re, puse, pulsare, pulsa:, pulsa, seka:re, sje, segar, segare, segaʁ, siyar, səya, sea:, ekskurta:re, skortare, skurta:, skurta, skindere, sɛde, separa:re, səvɛ, separar, separare, separaʁ, sipɛrar, səpəra, separa:, separa, rasar, rasare, rasa:, raskar, rəska, kosaɹ, kusar, ekskaware, eskabar, skavare, ekstendere, ekstender, estɛndere, istɛdɛʁ, əstɛndrə, ekstinde, jesi, sede:re, swaʁ, seɹ, sedere, seʁ, sedenta:re, sentar, sɛtar, senta:, sta:re, estar, stare, əsta, ɛs, sta:, sta, ose, aɹsa, aɹsar, əlsa, hɔ:si:, turser, tɔrsə, segurar, siguraʁ, siyurar, eksprimere, ekspremir, spremer, əspremə, esprimi, skreme, serrere, serar, seʁa, səraʁ, səra, serare, seʁe, serrare, siʁar, sɛre, stringere, estrepɪr, strindʒere, əstreɲə, stringe, strɛngi:, strindʒe, frisar, frasa, ekstergere, estarsɪr, əstərzi, eksu:ka:re, esɟije, suwe, suja:, uska, puse, pu:si:, pulsa:, lɔse, lɛsa, lɛsar, ʁansa, ko:nsuere, koser, ɔqase, ekspɔ:nere, sporre, spune, ekskurrere, eskurɪr, skorrere, əskorə, skori:, skurdʒe, glase, glasa, ɛsɔdʒe, ɪsɛndʒɪar, ɪsɛdʒar, ənsɛndrə, ustula:re, ustolare, ustura, omne:s, to:tus, multus, tantus, paɹkus, alius, grawis, lurdus, pe:sant, pesaðo, pesante, pittitus, pittinus, pitulus, kurtus, brewis, angustus, angosto, angusto, ɪɲgust, striktus, estrefɔ, stretto, istrejtɔ, əstret, stɔʁ:, stret, strimt, minutus, de:lika:tus, subti:lem, sutil, sottile, suʃiʁ, suptil, su:ti, suti:l, subtsire, russus, rosso, ros, rɔs, vermikulus, rubeus, duo:s, dos, dojs, duas, duəs, tre:s, tres, tɛs, sɛk, si:ku, siɲk, isi, kʷis, si:k
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Appendix 3 - Segments used in the word list

15	u	<p>nu, vu, bus, tu, usted, mulierem, muxer, му́лєк, му́лєк, му́лє, му́и:р, mujere, epuz, mulier, muxer, му́лєк, му́лєк, му́лє, му́и:р, mujere, maritus, maridu, mēriðu, sponsus, epu, ispozu, iſpozu, sokius, awikellum, utſello, usél, uſjel, paseru, fruktus, fruto, frutto, frute, frujt, frut, frukt, na:sus, solikulus, luna, lue, lunə, lune, lunə, pluwia, jubja, juve, plužə, lakum, lagu, layu, nebula, negurə, fumata, fuma:ta, fumase, fumate, kajlum, wentum, vētu, fokum, fogu, foɣu, annum, enu, nume, kumer, manduka:re, mandukar, murðer, musəga, musəgar, musəya, murseka, sugaɤ, sugar, cuca:, suðe, konspuere, kuspiɤ, kuſpiɤ, eskupiɤ, əskupi, skuɣpa, sputere, esputar, sputare, spuda:, kuɣiser, kuɤeſə, kuɣaſte, kuzitaɤ, kuzitar, kujda, kuðeta, durmir, durmi, durmi:, muɤiɤ, muɤer, muri, muri:, muri, tuwe, utſidere, uksi, uſide, pugna:re, puɣar, puɣpare, puɣa, battuere, pulsa:re, puse, puxar, pulsare, puſaɤ, puſar, pulsa:, pulsa, kurta:re, kurtar, ekskurta:re, ekuɤte, skurta:, skurta, pungere, punðere, puɣi, punðe, jugula:re, jugula:re, kusar, bula, zbura, lua, tuɤne, turnar, turna, turna, turser, tumbar, tumba, tume, segurar, siɣuraɤ, siɣurar, enxugar, aſſugare, əſugar, əſuɣar, əfuga, suwe, suja:, uska, puse, pulsa:, e:runka:re, aruɣka, ko:nsuere, kudɤ, kuſfire, kuzer, kuzi, kuzi, komputa:re, kumta, e:numera:re, enumeɤe, enumerar, enumerare, enumera, numara, spune, ludir, xugar, zuɣar, zuga, ðuwe, ðuja:, zuka, flu:ktua:re, flugtwar, fluttuare, flutuau, flutuar, fluktua, fluctua, fluita:re, fluitare, fluere, fluir, fluire, flui, kule, kuar, kuɤa, ekskurrere, eskurir, iſkurer, skurðe, kurrere, kuɤiɤ, kuɤer, kurðe, bruſfare, bruza:, ustula:re, ustolare, ustura, to:tus, tu, tutto, todū, toðu, dut, multus, mu, muſfo, mūjtu, mult, tantus, tētu, tētu, alguno, alkuno, əlgu, paɤkus, powku, owtru, alius, magnum, longum, lungu, lōgu, lunk, lung, largum, laɣgu, largu, la:tum, latu, amplum, əſu, lurdus, luɤ, pezadu, pizaðu, pittitus, pittinus, pekenu, pikenu, putsin, pitulus, piſful, kurtus, kuɤ, kuɤtu, kurtu, kurt, kurt, angustus, angusto, iɣgust, striktus, istrejtu, iſtrejtu, minutus, menudo, minuto, miudu, miuðu, mənut, minu, mərunt, de:lika:tus, dewgadu, deɣaðu, subtillem, sutil, suſfiw, suptil, suti:l, subtsire, ruber, rubro, russus, ɤu, ɤofu, ɤofu, vermikulus, vɤɤmeɤu, viɤmɤjɤu, rubeus, ɤuz, rubjo, rubeo, ruðe, u:num, uno, un, uɣ, unu, duo:s, duaj, due, duas, duɤs, duɤſ, kwatru, patru, siku, ekkumhi:k, kwēdu, komu, kum, nu</p>
16	ſ	<p>nəſ, voſ, iſpoze, iſpozu, peſſe, pejſi, pejſi, peſ, peſte, neriſ, iſtreɤe, ſuve, treveſ, kuſpiɤ, ſti, konofſere, kuɤeſə, kuɣaſte, ſase, puſaɤ, puſar, ſindere, ɤaſkaɤ, ɤeſkar, iſkeɤaɤ, iſkeɤar, ſəmine, maɤſe, iſtēder, ſedəa, iſtar, altsa:, ſwaɤ, iſprəmeɤ, iſprəmer, əſtriɣir, əſtriɣir, iſfriɣar, iſfriɣar, ſterðe, aſſugare, əſugar, əſuɣar, əfuga, ſāte, iſkoɤeɤ, iſkurer, əſu, iſtrejtu, ɤofɤ, ɤofu, ɤofu, dojſ, duɤſ, tref, ſi</p>
17	oj	<p>noj, voj, froj, rojb, dojs, dojſ, doj</p>
18	v	<p>vu, vo:i, vɔjs, voſ, vos, vo:, voj, vose, vɔse, voste, avi, avi, ſuve, nɤvwe, treveſ, vā, vento, vētu, vē, vint, vint, bevi, savwaɤ, savø:ɤ, save:, viɤɤ, vivere, viɤeɤ, viver, vivi, via, dividere, ðiviðɣiɤ, dividiɤ, dividi, divide, səvɤe, kavare, keɤaɤ, keɤar, ɤə:vle, ɣava:, skavare, iſkeɤaɤ, iſkeɤar, zɣava:, naviga:re, navigare, naviɣaɤ, nɤviɣar, naviga:, naviga, vole, volare, voaɤ, vwar, vɔle, zvolare, zvola:, vəniɤ, venire, viɤ, vir, vini, viɣi:, veni, leva:re, ləve, levare, levaɤ, livar, leva:, viɤe, virare, virar, lave, lavare, leɤar, lava:, ɣɤav, ɣreɤe, ɣravi, ɣravi, ɣrav, ɣreɤi, breɤe, breɤi, breɤi, vermikulus, vɤɤmej, vermijɤo, vɤɤmeɤu, viɤmɤjɤu, vɤɤ, verde, verdi, vert, vɤɤ, vert, verde, vi</p>

Appendix 3 - Segments used in the word list

19	b	bos, bus, embra, fembra, ombre, abe, jubja, nebula, njebla, nebbja, tene:braj, tē:nebre, tene:bra:s, tenebꝛ, tinjeblas, tē:nebre, tanebrās, bjento, ben, nombre, limbə, bibere, bwæꝛ, beber, bere, bebeꝛ, biþer, bēwra, bō:ꝛ, bevi, bæa, saber, sabæꝛ, sæber, bibir, biwra, battuere, batꝛ, batir, battere, bateꝛ, bēter, batrə, bate, bati, dibidir, dibidi, kabar, kəba, eskabar, nabegar, nəbəga, bolar, bula, zbura, ambita:re, benir, bəni, jebar, ʌəba, birar, bira, tōbe, tumbar, tōbæꝛ, tōbar, tumba, bꝛyle, bruʃare, bꝛu:le, bruza, flābe, grabe, brewis, bꝛæf, brebe, brève, brēvi, brēvi, brew, bꝛæf, subti:lem, subtsire, ruber, rubro, bermexo, bərmɛʌ, rubeus, rubjo, rōbbjo, rubeo, rojb, berde, ibi:
20	t	tu:, ty, tu, usted, voste, infantem, infante, fante, ifēti, mari:tus, marito, marit, mari:t, mōrit, mātrem, pefte, utʃello, fruktus, fruto, frutto, frutə, fruʃt, frut, frukt, ste:lla, etwal, estreja, stella, istrelə, iftrelə, əstɛl, stō:l, stele, stɛa, la:t, terra, tɛꝛ, tjera, tɛrra, tɛꝛə, tɛꝛə, tɛrə, tɛ:ꝛ, tjere, tene:braj, tē:nebre, tene:bra:s, tenebꝛ, tinjeblas, tē:nebre, tɛrɛvɛʃ, tanebrās, fu:ma:ta, fumata, fuma:ta, fumate, wentum, bjento, vɛnto, vɛtu, vint, vint, sputere, esputar, sputare, ʃti, kōnɛtꝛ, kuŋqasʃte, kō:gitare, kōʃitare, kuzitaꝛ, kuzitar, kuʒeta, time:re, temer, temere, temæꝛ, timer, temə, temi, teme, tremere, tremɛr, tremare, tremæꝛ, trimer, trima:, tu:ta:ri, tɛ, tuwe, maktare, mate, matar, mataꝛ, mətə, utʃidere, battuere, batꝛ, batir, battere, bateꝛ, bēter, batrə, bate, bati, kaptia:re, katʃare, kurtare, kortar, kōtæꝛ, kurtar, ekskurta:re, ekukte, skortare, skurta:, skurta, ta:lia:re, tɔje, taxar, taʌʌa:re, taʌaꝛ, tɛʌar, təʌa, teji:, taja:, təja, fēt, parti:re, paktiꝛ, partir, partire, pɛrtir, pɛrti, pɔ:rti, parti:, nata:re, nwotare, ambita:re, ekstendere, etōdꝛ, ekstender, estendere, istēdæꝛ, iftēder, əstendrə, ekstinde, sedenta:re, sentar, sɛtar, senta:, sta:re, ɛtꝛ, estar, stare, iftar, əsta, sta:, sta, altia:re, altʃa:, torna:re, tuꝛne, tornar, tornare, tōknaꝛ, turnar, turna, tu:rne, torna:, turna, tork ^w :re, tōdꝛ, tōθer, tōʃere, turser, tōrsə, tɔarʃe, tōbe, tumbar, tōbæꝛ, tōbar, tumba, tume, tene:re, tənix, tener, tenere, tɛꝛ, tɛr, təni, tini, tinji, appektora:re, apɛtar, ɛpirtar, stringere, ɛtɛdꝛ, estrepir, strindʒere, əʃtrizir, əʃtrizir, əstreɲə, stringe, strengi:, strindʒe, friktare, fɔte, frotar, frettare, tergere, tɛrdʒere, ekstergere, estarsir, əstərzi, ʃterdʒe, tira:re, tixə, tirar, tirare, tira, tire, tira:, trahere, tɛæꝛ, trarre, traze, tɛzɛr, tɛwra, traj, tradʒe, jaktare, zəte, ʒettare, zejtar, xita, ʒete, aptare, atar, ɛtar, komputa:re, kōte, kontar, kontare, kōtar, kumta, konta:, kantare, ʃāte, kantar, kantare, kɛtar, kənta, ʃāte, cantar, kinta, flu:ktua:re, flyktɛ, flugtwar, fluttuare, flutuæꝛ, flutuar, fluktua, fluctua, fluitare, fluitare, gjatʃjare, ustula:re, ustolare, ustura, to:tus, tu, todo, tutto, todɔ, toðu, tot, tɔ, dut, multus, molto, mūʃtu, mult, tantus, tanto, tɛtu, tɛtu, tant, tanc, alter, otꝛ, otro, altro, owtru, altrə, ɔt, altri, alt, grant, la:tum, lato, latu, lat, pe:sant, pesante, pəzat, pezant, pittitus, pəti, pətit, piti, pittinus, pitʃino, pitulus, kurtus, korto, korto, kuꝛtu, kurtu, kurt, kurt, angustus, angosto, angusto, ingust, striktus, ɛtɔwa, estreʃo, stretto, istrejtɔ, iftrɛjtɔ, əstɛt, stɔ:, stret, strimt, minu:tus, minuto, mənut, minu:t, mərunt, de:lika:tus, delikato, dəlikat, subti:lem, sutil, sottile, suptil, su:ti, suti:l, vɛrt, vɛrt, tre:s, tɛwə, tres, tre, tɛʃ, tres, trɔ:, tre:, trej, k ^w attwor, katꝛ, kwatro, kwattro, kwatru, kwatrə, kwat, kwatri, patru, kwant, ʃɛmu:t, et
21	u:	tu:, u:hɛ, fruktus, lu:na, plu:ꝛ, fu:ma:ta, fu:k, su:gere, tu:ta:ri, tu:rne, eksu:ka:re, pu:si:, lu:dere, flu:ktua:re, bꝛu:le, ku:ꝛ, minu:tus, minu:t, du:ze:, su:ti, u:num, ʃɛmu:t
22	y	ty, fry, lyn, njoly, fyne, syse, sysi:, kōspye, zygye, gyra:re, flyktɛ, flye, bꝛyle, mənɔ

Appendix 3 - Segments used in the word list

23	d	<p>usted, domina, dam, doṇa, dōnna, donə, dōnə, dœm, dōne, dṡamṇə, maridu, ma:dre, pjodḡa, komedere, manduka:re, mandukaṛ, morde:re, moṛḡḡ, mōrdere, moṛḡḡ, mwardi, spuda:, kṡide, kwidaṛ, kujda, kṛēḡḡ, dormi:re, dōṛmiṛ, dormire, doṛmiṛ, durmiṛ, durmi, dṡaṛmi, durmi:, dormi, okki:dere, utṡidere, utṡide, di:widere, dibidiṛ, dividere, diviḡiṛ, dibidi, dividi, divide, skindere, sēde, findere, findere, fāḡḡ, ender, fēndere, fēḡḡ, fēder, fēndrə, pṡēḡḡ, ra:dere, radere, rada:, rade, fodere, nadar, nadaḡ, nāda, nada:, andar, andare, ēdaḡ, ēdar, ekstendere, etāḡḡ, ekstender, estendere, istēḡḡ, iṡtēḡḡ, əstendrə, ekstinde, sede:re, sedere, fedḡa, sedenta:re, tōḡḡ, kadere, kadere, ṡjjade, kəḡḡ, epṡēḡḡ, etṡēḡḡ, limpidare, kudḡ, di:kere, diḡ, deḡiṛ, dire, dizeṛ, di, di:ḡ, di:, lu:dere, ludiṛ, arde:re, aḡḡ, arder, ardere, aḡḡ, ərder, arde, inkendere, ēsāḡḡ, enḡender, inṡēndjare, īsēḡḡ, ənsendrə, inṡindḡe, todo, todṡ, dut, grandem, grande, grande, grēḡi, lurdus, lerdo, lordo, pezadu, menudo, miudu, de:lika:tus, du:ḡe:, delyaḡo, delikato, dewḡadu, deḡyaḡu, dəlikat, wiridem, berde, verde, verdi, verde, duo:s, dḡ, dos, doḡs, doḡṡ, dḡ:, doḡ, duaj, due, dowə, duas, duṡs, duṡṡ, k^wid, k^wando:, kwando, kwēḡdu, kwand, kind, k^wo:modo</p>
24	f	<p>fe:mina, fam, femmina, femeṡ, femḡe, fembra, fœm, femine, femeje, infantem, āfā, infante, fante, iṡēṡi, iṡēṡi, efā, fru:ktus, fṡṡi, fruto, frutto, frutə, fruṡt, fṡy, frut, frukt, flo:rem, flœḡ, flor, fjo:re, floḡ, flḡ, flḡ:ḡ, flo:r, flḡare, fu:ma:ta, fyme, fumata, fuma:ta, fumasə, fumate, fokum, fḡ, fwego, fwḡko, fogu, foḡu, fḡk, fḡ:, fu:k, fok, findere, fāḡḡ, fēndere, fēḡḡ, fēder, fēndrə, fēt, fodere, fwik, frika:re, fṡeje, fregar, fregare, frəḡa, froj, frea, freka, iṡfriḡar, iṡfriḡar, frikta:re, fṡote, frotar, frettare, frisar, frəsa, flu:ktua:re, flyktḡe, flugtwar, fluttuare, flutuax, flutuax, fluktua, fluctua, fluita:re, fluitare, fluere, flye, fluir, fluire, flwik, flwir, flui, flamma:re, flābe, flameax, fjammar, flāma, flagrare, flagḡe, flagrar, flagrare, flagḡax, flagrar, bṡef, bṡef</p>
25	e:	<p>fe:mina, ste:lla, tene:braj, tene:bra:s, morde:re, save:, pe:nsa:re, time:re, se:para:re, jake:re, ḡaṡfe:re, sede:re, tork^we:re, tene:re, e:runka:re, e:numera:re, arde:re, omne:s, pe:sant, de:lika:tus, du:ḡe:, tre:s, tre:</p>

Appendix 3 - Segments used in the word list

26	m	<p> fē:mina, fam, embra, femmina, femēv, femjə, fembra, fœm, fēmine, femeje, mulierem, muxer, moλλe, muλeχ, muλer, muλe, mui:r, mujere, domina, dam, dœm, dɔamnə, hominem, ɔm, ombre, omēj, ɔmēj, ɔmə, ɔm, om, homo:, wəmo, infantem, mulier, muxer, moλλe, muλeχ, muλer, muλe, mui:r, mujere, mari:tus, ma:ki, mari:ðo, marito, maridu, mæ:riðu, marit, marit, mærit, ma:trem, meχ, maðre, ma:dre, mēj, marə, mer, mari, piskem, awem, awikellum, passerem, flo:rem, so:lem, lakum, mare, meχ, mar, maχ, mar, meχ, ma:r, sa:lem, ka:li:ginem, fu:ma:ta, fyne, fumata, fuma:ta, fumasə, fumate, kajlum, wentum, fokum, annum, no:men, no:me, nomi, nomi, nɔm, nume, no:minem, nombre, limbə, komedere, komer, kome, kumer, mandukare, mǎze, mandukar, mandzare, mēzəχ, mēzar, mərza, mari:, maŋja:, minka, morde:re, moχdχ, moχder, moχdere, moχdeχ, muχder, mwardi, morsika:re, moskar, morsikare, musəga, musəgar, musəya, murseka, time:re, temer, temere, temēχ, timer, temə, temi, teme, tremere, tremer, tremare, tremēχ, trimer, trima:, dormi:re, dəχmik, dormir, dormire, doχmik, durmir, durmi, dwaχmi, durmi:, dormi, muχik, morir, morire, moχēχ, muxer, muri, məri, muri:, muri, makta:re, mate, matar, mataχ, mɛtar, mɛta, maʃar, ʃəmine, kaminar, kamminare, kəmi:naχ, kəmi:nar, kəmina, ʃimine, camina:, maχʃe, ma:rtʃi:, mergere, merdzere, merdže, ambita:re, tumba, tumba, tume, eksprimere, ekspremir, spremere, iʃprəmeχ, iʃprəmer, əspremə, esprimi, skreme, limpidare, limpjar, impingere, impindžere, əmpɛrə, impindže, komputa:re, kumta, e:numera:re, enumeχe, enumerar, enumerare, enumera, numara, krema:re, kɔame, kemar, kremare, kəjmare, kejmaχe, krəma, flamma:re, flamear, fjammare, fłama, omne:s, multus, mu, muʃo, molto, mǔjtu, mol, molc, mult, magnum, ma:po, ma:po, grandem, majjorem, mare, longum, largum, la:tum, amplum, ampjo, amplə, strimt, minu:tus, məny, menudo, minuto, miudu, miuðu, mənut, minu, minu:t, mərunt, subtil:em, vermikulus, vəχmēj, bermexo, vermiλλo, vəχmeλu, virməjλu, bərmel, wiridem, u:num, ekkumhi:k, kʷem, kʷo:modo, kɔmǎ, komo, kome, komu, kɔm, kɔmē, ʃemu:t, kum </p>
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Appendix 3 - Segments used in the word list

27	<p>a</p> <p>femina, fam, embra, femmina, fembra, domina, dam, dopa, donna, infantem, infante, fante, sponsa, esposa, spōza, ispoza, maritus, maki, mariðo, marito, maridu, marit, mari:t, maðre, marə, mari, pwasō, awem, abe, avi, awi, aw, awikellum, wazo, passerem, paxaro, passero, paseru, pasere, naso, nas, nas, nariθ, nariſe, naris, luna, luna, stella, etwal, estreja, stella, ak^wa, aywa, akkwa, agwə, age, apə, pluwia, jubja, pjodɕa, lakum, lak, lago, lago, lagu, layu, ʎak, mare, mar, mak, mar, sal, sale, saw, sare, terra, tjera, terra, tsarə, kalina, kalidɕine, kalizēj, nebula, njebla, nebbja, tinjeblas, fu:ma:ta, fumata, fuma:ta, fumasə, fumate, kajkia, annum, apo, anno, an, aŋ, an, ling^wa, leŋgwa, lingwa, manduka:re, mandukar, mandɕare, mēzav, mēzar, mənza, mapi:, manja:, minka, mwardi, moskar, morsikare, musəga, musəgar, musəya, murseka, sugav, sugar, skujpa, esputar, sputare, sapere, savwax, saber, sabex, savə:R, save:, kwidar, kodɕitare, kuzitar, kuɕitar, kujda, kuɕeta, pensar, pensare, pēsax, pēsar, pənsa, pəsa, tremare, dwaxmi, via, nəga, neka, anegar, annegare, makta:re, mate, matar, matax, metar, mətə, mafar, punar, punpare, puna, battuere, batx, batir, battere, batex, batrə, bate, bati, kaptia:re, fase, kaθar, katɕare, kasax, kəsar, kəsa, caɕar, puxar, pulsare, puɕax, puɕar, pulsa, segar, segare, segax, siyar, səya, kortar, koɕtax, kurtar, skortare, skurta, taxar, taʎʎa:re, taʎax, tɐʎar, təʎa, taja:, təja, parti:re, paktiv, partir, partire, paxɕiv, parti:, se:para:re, separar, separare, separax, sipərar, səpəra, separa:, separa, raer, radere, vax, rawrə, rada:, rade, rasar, rasare, vaxax, vaxar, rəza, rasa:, raskar, ɕaxkax, ɕaxkar, rəska, kosaɭ, kusar, kawa:re, kabar, kavare, kəvax, kəvar, kəba, java:, ekskawa:re, eskabar, skavare, ifkəvax, ifkəvar, zjava:, nata:re, nadar, nwotare, nadax, nəðar, nəda, nada:, naviga:re, nəze, nabegar, navigare, naviyax, nəviyar, nəbəga, naviga:, naviga, bolar, volare, voax, vwar, bula, zvolare, zbura, kaminar, kamminare, kəminax, kəminar, kəmina, camina:, maxse, ambitare, andar, andare, ɛdax, ɛdar, jakere, jaθer, ɕaxɕe:re, zawrə, swax, sentar, sɛtar, estar, stare, iftar, əsta, sta, jebar, levare, levax, livar, ʎəba, lua, altia:re, alθar, altsare, aɕsa, aɕsar, əlsa, altɕa:, tornar, tornare, toɕnax, turnar, turna, turna, xirar, ɕirare, zirar, zira, birar, virare, virar, bira, kadere, fwaɕ, kaer, kadere, kawrə, ɕjade, tumber, tōbax, tōbar, tumba, segurar, sigurax, siyurar, serar, seɕa, sərar, səra, serare, θerar, serrare, siɕar, appektorare, apretar, ɛpirtar, fregar, fegare, frəga, frea, freka, iffrigar, iffriyar, frotar, frettare, frisar, frəsa, lawa:re, lave, laɕar, lavare, ləvar, lava:, la, estarsir, enxugar, affugare, ɛfugar, ɛfuyar, əfuga, uska, limpjat, lipar, tirar, tirare, ɕira, tira, trahere, trarre, traze, tradɕe, jaktare, eɕar, ɕettare, zejtar, xita, lankea:re, lanθar, lanɕare, lɛsa, lɛsar, ʎənsa, lanci:, lanɕa:, arankar, arrontɕare, arunka, legar, legare, ʎiya, lega, apta:re, atar, ɛtar, kontar, kontare, kōtar, kumta, enumerar, enumerare, enumera, numara, kanta:re, kantar, kantare, kətar, kənta, canta:, kinta, xugar, ɕokare, zogax, zuyar, zuga, zuka, flugtwar, fluttuare, flutuax, flutuar, fluktua, fluctua, fluitare, kolar, kolare, koax, kuar, kuɕa, elar, ɕelare, zilar, zəla, ɕale, glakia:re, glase, gɕatɕjare, gləsa, glaɕa:, inglakia:re, ingetsa, brutɕare, kɕame, kemar, kremare, kəjmare, kəjmaɕe, krəma, flamma:re, flamear, fjammare, fɕama, arde:re, axɕ, arder, ardere, axɕeɕ, arde, flagra:re, flagɕe, flagrar, flagrare, flagɕax, flagrar, inɕendjare, isendɕjar, isəɕjar, ustolare, ustura, tantus, tanto, tant, tanc, alguno, alkuno, awgū, aɕgū, alter, altro, altrə, altri, alt, alius, aw, aɕ, magnum, mapo, mapno, grandem, grande, grande, gran, grant, mare, largum, ʎax3, ʎaryo, largo, ʎaxgu, largu, ʎark, lark, larg, lato, latu, lat, amplum, anɕo, ampjo, amplə, grawis, gɕav, grabe, gravi, gravi, grav, pe:sant, pesaðo, pesante, pezadu, pizaðu, pəzat, pezant, angustus, angosto, angusto, etɕwa, deɕyaðo, delikato, dewgadu, deɕyaðu, dəlikat, duas, k^wattwor, katɕ, kwatro, kwattro, kwatru, kwatrə, kwat, kwatri, patru, aki, la, aja, əʎa, 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, mu _l er, ombre, muxer, mu _l er, mariðo, maridu, mēriðu, marit, maðre, marə, paxaro, pasəru, pasəre, fruto, frutə, frujt, flor, fjo:re, fləare, nariθ, naris, nərif, sɔare, estreja, istrele, iftrele, mar, trəvəf, tənebrəs, fjer, nombre, beber, bere, biβer, bəwrə, komer, kumer, mandukar, mandɟare, mēzar, morðer, murðer, moskar, morsikare, sugar, kuspir, eskupir, esputar, sputare, saber, səber, konοθer, kupiser, kwidar, kuzitar, pensar, pensare, pəsar, temer, tīmer, tremar, tremək, trimer, dormir, durmir, bibir, viver, biwrə, morir, mu _l er, muri, anegar, matar, mətər, uttfidere, pupar, batir, beter, batrə, kaθar, kəsar, puxar, pu _f ar, segar, siyar, kortar, kurtar, taxar, tə _l ar, dibidir, dividi _r , ender, fēder, fəndrə, partir, pərtir, separar, separək, sipərar, səpəra, pūzir, raer, vøer, rawrə, rasar, vəzar, raskar, vəfkar, kusar, kabar, kəvar, eskabar, ifkəvar, nadar, nwotare, nəðar, nabegar, nəviyar, bolar, volare, vwar, zvolare, zbura, kaminar, kamminare, kəminar, andar, ēdar, benir, venire, vir, ekstender, iftēder, əstəndrə, jaθer, ɟa _f ɛ:re, zəzer, zawrə, ser, sentar, sētar, estar, iftar, jebar, livar, alθar, əlsar, tornar, turnar, xirar, ɟirare, zirar, zira, birar, virare, virar, bira, torθer, kaer, kadere, kəir, tumber, tōbar, tener, tenere, ter, segurar, sigurək, siyurar, ekspremir, əspremə, serar, səkar, θerar, si _l ar, apretar, epirtar, estrepir, əstre _p ə, fregar, frəga, iffrigar, iffriyar, frotar, frisar, frəsa, laβar, ləvar, estarsir, enxugar, əfugar, əfuyar, limpjər, lipar, tirar, fira, tira, traze, trəzer, trəwrə, e _f ar, zejtar, lanθar, ləsar, arankar, aru _ŋ ka, legar, atar, ətər, koser, kuzer, kontar, kōtar, enumerar, enumera, deθir, dizer, kantar, kētar, ludir, xugar, zuyar, flugtwar, flutuar, fluir, flwir, kolar, kuar, eskurir, ifkurer, skurdɟe, korer, ku _l er, kurdɟe, elar, zilar, kemar, kəmare, flamear, arder, ərder, arde, flagrar, flagrar, enθender, isendɟiar, isēdjar, ənsəndrə, otro, owtru, altrə, grande, grēɟi, grēdi, mare, larɣo, largu, ɬark, grabe, gravi, gravi, grew, grew, lerdo, korto, kurtu, kurt, brebe, brəvi, brəvi, brew, estrefo, istrejtə, iftrejtə, əstret, rofu, bermexo, virməjɬu, berde, verdi, vət, verde, tres, tref, kwatro, kwatru, kwatrə
29	v	feme _v , femjə, done, ifpozə, mēriðu, pasəru, frutə, nərif, lu _v , istrele, iftrele, agwə, juvə, təkə, təkə, kəlizəj, nəvwə, trəvəf, fumasə, enu, ligwə, səber, mətər, bətər, kəsar, tə _l ar, pərtir, sipərar, vøer, vəzar, vəfkar, kəvək, kəvar, ifkəvək, ifkəvar, nəðar, nəviyar, kəminək, kəminar, zəzək, zəzer, kəir, epirtar, ləvar, trəzer, ətər, ərder, duəs, duəf, eki, ei
30	œ	fœm, dœm, flœk
31	ε	fəmine, efā, pəs, pəhō, utfello, utfjel, əstel, stəle, mək, səl, tərta, təkə, tərə, tjere, nəvwə, tenək, trəvəf, sjel, fɛlo, səw, səl, vento, lənge, bəwrə, səβe, kənətək, kune _f ə, fɛsi:, tējir, fəndere, fəndrə, nəɟir, mərɟere, estendere, etək, ɛs, sprəmere, sere, əstre _p ə, strengi:, tərɟere, tək, trəwrə, əmpərə, ɟete, in _f əndjare, grəve, grəvi, bəkəf, brəve, brəvi, brəvi, əstret, stət, dəɣaðu, vəkəməj, bərməɬ, vət, vək, vət, tres, kə, ɛ

Appendix 3 - Segments used in the word list

32	1	<p>mulierem, mulier, awikellum, utʃello, utʃjel, flo:rem, flœk, flor, flok, flɔ, flø:k, flo:r, flɔare, so:lem, sol, sole, sɔl, sɔlɔ, solikulus, sɔlej, soreli, lu:na, lyn, luna, luɐ, lɔn, lune, lunə, ste:lla, etwal, stella, istrele, ɪstrele, əstel, stɔ:l, stele, pluwia, plɔi, pluʒə, plu:k, ploje, plɔaje, lakum, lak, lago, lago, lagu, layu, la:t, sa:lem, sel, sal, sale, sa:l, ka:li:ginem, kalina, kalidʒine, kalizēj, kəlizēj, nebula, njɔly, njebla, newlə, tinjeblas, kajlum, sjel, θjelo, ʃɛlo, sɛl, ʃi:l, ling^wa, lɔg, lɛngwa, lingwa, lɪgwɐ, lɛu, lɛngɛ, limbə, pulsa:re, pulsare, pulsa:, pulsa, ta:lia:re, jugula:re, zygye, jugula:re, ɕə:vle, wola:re, vole, bolar, volare, bula, vɔle, zvolare, zvola:, leva:re, ləve, levare, levæ, livar, leva:, lua, altia:re, alθar, altsare, əlsa, altʃa:, lawa:re, lave, laβar, lavare, lɐvar, lava:, la, limpida:re, limpjar, lɪpar, pulsa:, lankea:re, lɔse, lanθar, lanʃare, lɛsa, lɛsar, lanci:, lanʃa:, liga:re, lie, legar, legare, lɔji:, lea:, lega, lu:dere, ludir, flu:ktua:re, flyktɔe, flugtwar, fluttuare, flutuæ, flutuar, fluktua, fluctua, fluita:re, fluitare, fluere, flye, fluir, fluire, flwɪk, flwɪr, flui, ko:la:re, kule, kolar, kolare, kɔle, gela:re, ʒəle, elar, ɖelare, ʒɪlar, ʒəla, ɖale, glakia:re, glase, glɛsa, glatʃa:, inglakia:re, bɔyle, bɔu:le, flamma:re, flɔbe, flamear, flagra:re, flagɐ, flagrar, flagrare, flagvæ, flagrar, ustula:re, ustolare, multus, molto, mol, molc, mult, alguno, alkuno, əlgu, alter, altro, altrə, altri, alt, alius, longum, lɔ, longo, lungo, lɔgu, lɔ, lunk, lung, largum, lækʒ, laryo, largo, lækgu, largu, lark, larg, la:tum, le, lato, latu, lat, amplum, ɔpl, amplə, lurdus, lʊk, lerdo, lordo, pitulus, pikkolo, piʃul, de:lika:tus, delyaðo, delikato, dəlikat, subti:lem, sutil, sottile, suptil, suti:l, vermikulus, illa:k, la</p>
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Appendix 3 - Segments used in the word list

33	r	mulierem, mui:r, mujere, mulier, mui:r, mujere, mari:tus, marito, mari:t, m̃arit, ma:trem, ma:dre, mari, passerem, passero, fru:ktus, frutto, frut, frukt, flo:rem, flo:r, nari:fē, nari:s, soreli, mare, mar, ma:r, sare, terra, tjera, t̃erra, t̃er̃a, tjere, tsar̃a, negur̃a, tene:braj, t̃enebre, tene:bra:s, t̃enebre, bibere, komedere, manduka:re, morde:re, m̃ordere, mwardi, morsika:re, morsikare, mus̃agar, murseka, su:gere, konspuere, sputere, ski:re, sapere, kogno:skere, konoffere, ko:gita:re, koḡitare, pe:nsa:re, time:re, temere, tremere, tremare, trima:, dormi:re, dormire, durmi, durmi:, dormi, wi:were, vivere, morire, muri:, muri, neka:re, annegare, tu:ta:ri, maktare, okki:dere, pugna:re, puṇṇare, battuere, battere, kaptia:re, katf̃are, pulsa:re, pulsare, sekare, segare, kurta:re, ekskurta:re, skortare, skurta:, skurta, ta:lia:re, taλλa:re, di:widere, dividere, skindere, f̃indere, findere, f̃endere, parti:re, partire, p̃arti, parti:, se:para:re, separare, separa:, separa, pungere, punḡere, jugula:re, jugula:re, ra:dere, raer, radere, rawr̃a, rada:, rade, rasar, rasare, r̃aza, rasa:, raskar, r̃aska, fodere, kawa:re, kavare, ekskawa:re, skavare, nata:re, naviga:re, navigare, wola:re, mergere, m̃erḡere, merḡe, ambita:re, andare, weni:re, ekstendere, estendere, jake:re, ḡere, sede:re, sedere, sedenta:re, stare, stare, leva:re, levare, altia:re, altsare, torna:re, tornare, turna, tur̃ne, torna:, turna, gyra:re, ḡirare, ḡira:, virare, tork ^w :re, t̃orḡere, turser, t̃ors̃a, t̃or̃t̃e, kadere, kawr̃a, tene:re, esprimere, spr̃emere, iḡpr̃ameḡ, iḡpr̃amer, esprimi, skreme, serrere, serar, s̃ara, serare, ̃erar, serrare, appekto:re, stringere, strindḡere, ̃str̃izir, ̃str̃izir, stringe, str̃engi:, strindḡe, frika:re, fregare, froj, frea, freka, frikta:re, frettare, frisar, lawa:re, lavare, tergere, t̃erḡere, ekstergere, ̃st̃ar̃zi, f̃terḡe, eksu:ka:re, affugare, limpida:re, tira:re, tirare, tire, tira:, trahere, trarre, traj, traḡe, impingere, impindḡere, jakta:re, ḡettare, lankea:re, lanḡfare, e:runka:re, arankar, arronḡare, liga:re, legare, apta:re, ko:nsuere, kuḡfire, komputa:re, kontare, e:numera:re, enumerare, numara, di:kere, dire, ekspo:nere, sporre, kanta:re, kantare, lu:dere, joka:re, ḡokare, flu:ktuare, fluttuare, fluita:re, fluitare, fluere, fluire, ko:la:re, kolare, ekskurrere, eskurir, skorrere, ̃skor̃a, skori:, kurrere, korer, korrere, kor̃a, kori, gela:re, ḡelare, glakia:re, gjattḡjare, inglakia:re, bruḡfare, bruza:, kremare, kremare, kr̃oma, flamma:re, f̃jammare, arde:re, ardere, flagra:re, flagrare, inkendere, inḡendjare, ustula:re, ustolare, ustura, alter, altro, altri, grandem, grande, gran, grant, majjorem, largum, largo, lark, larg, grawis, greve, grav, grevi, lurdus, lordo, kurtus, korto, kurt, brewis, breve, striktus, stretto, str̃et, strimt, m̃arunt, subtsire, ruber, rubro, russus, roxo, rosso, ros, r̃os, vermikulus, vermiλλo, b̃ormeḡ, rubeus, rubjo, r̃obbjo, rubeo, ruḡe, r̃oḡ, rojb, wiridem, verde, ṽert, tre:s, tre, tr̃es, tr̃o:, tre:, trej, k ^w attwor, kwattro, kwatri, patru
34	x	muxer, muxer, paxaro, puxar, taxar, xirar, enxugar, xita, xugar, roxo, bermexo
35	λ	moλλe, muλeḡ, muλer, muλe, moλλe, muλeḡ, muλer, muλe, useλ, λuña, λak, taλλa:re, taλaḡ, t̃eλar, t̃aλa, λ̃aba, λ̃ansa, λiḡa, λoḡ, λark, vermiλλo, ṽormeḡu, ṽirm̃ejλu, b̃ormeḡ, ̃aλa

Appendix 3 - Segments used in the word list

[illegible]

Appendix 3 - Segments used in the word list

48	p	sponsa, epuz, esposa, spɔza, ispoza, iʃpoʒə, əspɔzə, sponsus, epu, esposo, spɔzo, ispozu, iʃpozu, əspɔs, spo:s, piskem, peθ, peʃfe, pejʃi, pejʃi, peʃ, pəs, peʃte, pwasō, pəhō, passerem, paxaro, passero, pasəru, pasəre, apə, pluwia, plɥi, pjodɕa, pluʒə, plu:ɤ, ploje, plɔaje, konspuere, kōspye, kuspiɤ, kuʃpiɤ, eskupiɤ, əskupi, skuɟpa, sputere, esputar, sputare, spudaɪ, sapere, pɛnsa:re, pāse, pensar, pensare, pēsəɤ, pēsar, pənsa, pēse, peɟsa:, pəsa, pugna:re, puɲar, puɲɲare, puɲa, kaptia:re, pulsa:re, puse, puxar, pulsare, puʃəɤ, puʃar, pulsa:, pulsa, parti:re, paktiɤ, partiɤ, partire, pəʃʃiɤ, pərtiɤ, pərti, pɔ:rti, parti:, se:para:re, separar, separare, separəɤ, sipərar, səpəra, separa:, separa, pungere, pŵēdɤ, punɕere, pūziɤ, pūziɤ, puɲi, punɕe, eksprimere, epŵēdɤ, ekspremiɤ, spremer, iʃprəmeɤ, iʃprəmer, əspremə, esprimi, appektora:re, apretar, epirtar, limpida:re, limpjar, lipar, puse, pu:si:, pulsa:, impingere, impinɕere, əmpɛrə, impinɕe, apta:re, komputa:re, ekspɔ:nere, sporre, spune, paɥkus, pə, poko, pəko, powku, pəɤ, pō, po:k, amplum, āpl, ampjo, amplə, pe:sant, pəzā, pesaɕo, pesante, pezadu, pizaɕu, pəzat, pezant, pittitus, pəti, pətit, piti, pittinus, pekeɲo, pitʃino, pekenu, pikenu, putsin, pitulus, pikkolo, piʃʃul, suptil, patru
49	z	epuz, spɔza, ispoza, iʃpoʒə, əspɔzə, spɔzo, ispozu, iʃpozu, wazo, waze, wazəɤ, wəzar, rəza, zjawaɪ, zvolare, zvola:, zburə, zezɤ, zezəɤ, zezər, zəʃʃə, traze, trəzer, kuzer, kuzi, kə:z, kuzi, dizer, ziʃe, bruza:, pəzā, pezadu, pizaɕu, pəzat, pezant
50	ð	mariðo, məriðu, maðre, morðer, murðer, diviðiɤ, nəðar, toðu, pesaɕo, pizaɕu, miuðu, deɣaɕo, deɣaɕu
51	k	sokius, piskem, awikellum, fru:ktus, frukt, solikulus, akkwa, lakum, lak, ʌak, ka:li:ginem, kalina, kalidɕine, kalizēj, kəlizēj, kajkia, kajlum, fokum, fɔwoko, fəɤ, fu:k, fəɤ, komedere, komer, kome, kumer, manduka:re, mandukar, minka, morsika:re, moskar, morsikare, murseka, konspuere, kōspye, kuspiɤ, kuʃpiɤ, eskupiɤ, əskupi, skuɟpa, ski:re, kogno:skere, kənetɤ, konoθer, konoffere, kənesəɤ, kuɲiser, kuɲəʃə, kinɔh, koposi, kunoʃte, ko:gita:re, kuɲide, kwidar, koɕita:re, kuɲitaɤ, kuɲitar, kujda, kuɕeta, kŵēdɤ, neka:re, neka, maktare, okki:dere, əksɤ, uksi, kaptia:re, kaθar, katʃare, kasəɤ, kəsar, kəsa, seka:re, kurta:re, kortar, kəɤ, kurtar, ekskurta:re, ekɤte, skortare, skurta:, skurta, skindere, raskar, wəʃkaɤ, wəʃkar, rəska, kosaɪ, kusar, kawa:re, kabar, kavare, kəvəɤ, kəvar, kəba, ekskawa:re, eskabar, skavare, iʃkəvəɤ, iʃkəvar, kaminar, kamminare, kəmiɲəɤ, kəmiɲar, kəmina, ekstendere, ekstender, ekstinde, jake:re, kadere, kaer, kadere, kəir, kawrə, kəɕə, eksprimere, ekspremiɤ, skreme, appektora:re, frika:re, freka, frikta:re, ekstergere, eksu:ka:re, uska, jakta:re, lankea:re, e:runka:re, arankar, aruɲka, ko:nsuere, kudɤ, koser, kuʃʃire, kuzer, kuzi, kə:z, kuzi, komputa:re, kōte, kontar, kontare, kōtar, kumta, konta:, di:kere, ekspɔ:nere, kanta:re, kantar, kantare, kētar, kənta, kinta, joka:re, ɕokare, zuka, flu:ktua:re, flyktɥe, fluktua, ko:la:re, kule, kolar, kolare, koəɤ, kuar, kuʃa, kəle, ekskurrere, eskuriɤ, skorrere, iʃkoʒəɤ, iʃkurer, əskorə, skori:, skuɕe, kurrere, kuɲiɤ, korer, korrere, koʒəɤ, kuɲer, korə, kori, kuɕe, glakia:re, inglakia:re, kremare, kəame, kəmar, kremare, kəjmare, kəjmaɤ, krəma, inkendere, okə, alkuno, paɥkus, poko, pəko, powku, pəɤ, pō, lunk, ʌark, lark, pekeɲo, pekenu, pikenu, pikkolo, kurtus, kuɤ, korto, korto, kuɤtu, kurtu, kurt, ku:ɤ, kurt, striktus, de:lika:tus, delikato, dəlikat, vermikululus, katɤ, kwatro, kwattro, kwatru, kwatrə, kwat, kwatri, sək, θinko, ʃiɲkwe, siku, siɲk, ʃiɲk, ekkumhi:k, aki, kwi, əki, illa:k, ki, ki:, kwi, kjen, kēj, kēj, kwa, ke, ki, kə, kwə:, kā, kwando, kwēdu, kwan, kwand, kwant, kind, kəmə, komo, kome, komu, kəɤ, kəmə, 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:bra:s, 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, maɲfa:, pugna:re, kaptia:re, caɲfa:, pulsa:re, pulsa:, seka:re, sea:, kurta:re, ekskurta:re, skurta:, ta:lia:re, taʎla:re, taja:, se:para:re, separa:, jugula:re, jugula:re, ra:dere, rada:, rasa:, kawa:re, ʃava:, ekskawa:re, zʃava:, nata:re, nada:, naviga:re, naviga:, wola:re, zvola:, camina:, ma:ɲʃi:, ambita:re, sedenta:re, senta:, sta:re, sta:, leva:re, leva:, altia:re, altfa:, torna:re, torna:, gyra:re, dʒira:, appekto:re, frika:re, frikta:re, lawa:re, lava:, eksu:ka:re, suja:, limpidare, tira:re, tira:, pulsa:, jakta:re, lankea:re, lanɲfa:, e:runka:re, liga:re, lea:, apta:re, komputa:re, konta:, e:numera:re, kanta:re, canta:, joka:re, dʒuja:, flu:ktua:re, fluita:re, ko:la:re, gela:re, glakia:re, glaɲfa:, inglakia:re, bruza:, krema:re, flamma:re, flagra:re, ustula:re, la:tum, de:lika:tus, illa:k
54	ẽj	mẽj, keli:zẽj, kẽj, nẽj
55	ɾ	meɾ, fɾy, savø:ɾ, mɔ:ɾi, pɔ:ɾti, ma:ɾʃi:, ʃɛ:ɾ, səɾaɾ, se:re, iʃkurer
56	θ	peθ, na:riθ, θjelo, konoθer, kaθar, jaθer, alθar, torθer, θerar, lanθar, deθir, enθender, θinko
57	ej	pejfi, zejtar, kejmæ, istrejtu, trej
58	ɛj	pejfi, kejmæ, iʃtrejtu, viɾmɛjɬu
59	õ	pwasõ, pehõ, nõ, tõbe, tõbæ, tõbar, kõte, kōtar, põ, õt, lõgu, lõ, õ
60	ɛ:	u:he:, e:w, tɛ:ɾ, tɛ:nebre, tɛ:nebre, ʃɛ:ɾ, kwɛ:
61	ɥ	fɥqi, plqi, kɥide, tɥe, esɥije, flyktɥe
62	ø:	flø:ɾ, stø:l, fø:, bø:ɾ, savø:ɾ, kø:z, stbø:, dø:, trø:
63	ł	sɔł, ałsa, ałsar, kuł, fłama, ałgũ, ał, dełyaðu
64	ej	sɔlej, fɛje, vɛmɛj
65	ø	løn, fø, pø, dø
66	ɛa	stea, ʃɛaɲə, bæ, zəɲɛa, fedɛa, kədə
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, siɣar, səɣa, naviɣæ, nəviɣar, siɣuraɾ, iʃfriɣar, ɛʃuɣar, ɬiɣa, zuɣar, larɣo, deɣaðo, dełyaðu
69	aj	aɣwə, tene:braj, kajkia, kajlum, nwaje, traj, majjorem, duaj
70	g	age, lago, lɛngɛ, pugna:re, segar, segare, jugula:re, naviga:re, naviga:, mergere, gyra:re, stringere, stringe, strɛngi:, fregare, impingere, lega, xugar, glaɲfa:, ingetsa, flagɾæ, alguno, magnum, grandem, gran, gɾã, grant, longo, lung, largum, larg, grav, grevi, grew, ɲgust
71	ẽ	vẽtu, vẽ, pɛsæ, pɛsar, kɛdɛ, fɛdɛ, fɛder, istɛdɛ, iʃtɛder, sɛtar, ɛʃugar, ɛʃuɣar, ɪsɛdjar, sɛk, nẽ
72	ɲ	aɲ, nɔɲ, lɛɲgwa, maɲja:, peɲsa:, aɾuɲka, ɬɔɲ, ɲgust, uɲ, ʃɲkwe, siɲk, ʃɲk
73	g ^w	ling ^w a
74	ẽu	lẽu
75	ɑ	bwaɾ, ta:je, ɾaze, tɾwa
76	β	biβer, səβɛ, laβar
77	ʃ	maɲja:, ʃava:, zʃava:
78	c	cuca:, caɲfa:, camina:, lanci:, çase, canta:, fluctua, molc, tanc
79	ẽ	pẽse, sɛde, fɛt, pwɛdɛ, epɛdɛ, etɛdɛ, ɛsãdje, kɔmẽ
80	ɔ:	pɔ:ɾti, hɔ:si:
81	ũ	pũziɾ, pũzir, mũjtu, awgũ, ałgũ, ã
82	ɬ	kosaɬ
83	ç	çavle

Appendix 3 - Segments used in the word list

84	a:	ça:vle
85	ĵ	mũĵtu
86	œ	okœ, œ
87	au	paŭkus
88	ʊ	koʃʊ
89	ẽw̃	nẽw̃

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

Appendix 4 - Word Lists by Language

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
ToSpit-Sputare	-sputere	s-p-u-t-ay-r-ay
ToKnow	ski:re	s-k-E-r-ay
ToKnow-Sapere	sap-ere	s-ah-p-ay-r-ay
ToKnow-Cognoscere	kogno:skere	k-oh-g-n-O-s-k-ay-r-ay
ToThink	k-o:gita:re	k-O-g-e-t-A-r-ay
ToThink-Pensare	pe:nsa:re	p-ai-n-s-A-r-ay
ToFear	time:re	t-e-m-ai-r-ay
ToFear-Tremere	trem-ere	t-r-ay-m-ay-r-ay
ToSleep	d-ormi:re	d-oh-r-m-E-r-ay
ToLive	wi:were	w-E-w-ay-r-ay
ToKill	n-eka:re	n-ay-k-A-r-ay
ToKill-Tutari	tu:-ta:ri	t-U-t-A-r-e
ToKill-Mactare	makta:re	m-ah-k-t-A-r-ay
ToKill-Occidere	okki:dere	oh-k-k-E-d-ay-r-ay
ToFight	pugna:re	p-u-j-n-A-r-ay
ToFight-Battuere	battuere	b-ah-t-t-u-ay-r-ay
ToHunt-Captiare	kaptia:re	k-ah-p-t-e-A-r-ay
ToHit	pulsa:re	p-u-l-s-A-r-ay
ToCut	s-eka:re	s-ay-k-A-r-ay
ToCut-Curtare	kurta:re	k-u-r-t-A-r-ay
ToCut-Excurtare	ekskurta:re	ay-k-s-k-u-r-t-A-r-ay
ToCut-Taliare	ta:-lia:re	t-A-l-e-A-r-ay
ToSplit	di:widere	d-E-w-e-d-ay-r-ay
ToSplit-Scindere	skindere	s-k-e-n-d-ay-r-ay
ToSplit-Findere	findere	f-e-n-d-ay-r-ay
ToSplit-Partire	parti:re	p-ah-r-t-E-r-ay
ToSplit-Separare	se:para:re	s-ai-p-ah-r-A-r-ay
ToStab	p-ungere	p-u-n-g-ay-r-ay
ToStab-Iugulare	jugula:re	jg-u-g-u-l-A-r-ay
ToScratch	ra:dere	r-A-d-ay-r-ay
ToDig	fodere	f-oh-d-ay-r-ay
ToDig-Cavare	kawa:re	k-ah-w-A-r-ay
ToDig-Excavare	ekskawa:re	ay-k-s-k-ah-w-A-r-ay
ToSwim	n-ata:re	n-ah-t-A-r-ay
ToSwim-Navigare	naviga:re	n-ah-v-e-j-A-r-ay
ToFly	wola:re	w-oh-l-A-r-ay
ToWalk-Mergere	mergere	m-ay-r-j-ay-r-ay
ToWalk-Ambitare	ambita:re	ah-m-b-e-t-A-r-ay
ToCome	weni:re	w-ay-n-E-r-ay

Appendix 4 - Word Lists by Language

ToLieAsInABed	ekstendere	ay-k-s-t-ay-n-d-ay-r-ay
ToLieAsInABed-lacere	ja-ke:re	jg-ah-k-ai-r-ay
ToSit	s-e-de:re	s-ay-d-ai-r-ay
ToSit-Sedentare	sedenta:re	s-ay-d-ay-n-t-A-r-ay
ToStand	-sta:re	s-t-A-r-ay
ToStand-Levare	leva:re	l-ay-v-A-r-ay
ToStand-Altiare	-altia:re	ah-l-t-e-A-r-ay
ToTurnIntransitive	torna:re	t-oh-r-n-A-r-ay
ToTurnIntransitive-Gyrate	gyra:re	j-eeh-r-A-r-ay
ToTurnIntransitive-Torquere	tork ^w e:re	t-oh-r-kw-ai-r-ay
ToFall	k-adere	k-ah-d-ay-r-ay
ToHold	ten-e:re	t-ay-n-ai-r-ay
ToSqueeze	eksprim-ere	ay-k-s-p-r-e-m-ay-r-ay
ToSqueeze-Serrere	serrere	s-ay-r-r-ay-r-ay
ToSqueeze-Serare	se-rare	s-ay-r-ah-r-ay
ToSqueeze-Appetorare	appektora:re	ah-p-p-ay-k-t-oh-r-A-r-ay
ToSqueeze-Stringere	-stringere	s-t-r-e-n-j-ay-r-ay
ToRub	frika:re	f-r-e-k-A-r-ay
ToRub-Frictare	frikta:re	f-r-e-k-t-A-r-ay
ToWash	lawa:re	l-ah-w-A-r-ay
ToWipe	tergere	t-ay-r-g-ay-r-ay
ToWipe-Extergere	ekstergere	ay-k-s-t-ay-r-g-ay-r-ay
ToWipe-Exsucare	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	ekskurrere	ay-k-s-k-u-r-r-ay-r-ay
ToFlow-Currere	kurrere	k-u-r-r-ay-r-ay

Appendix 4 - Word Lists by Language

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
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

Appendix 4 - Word Lists by Language

Five	'kʷi:nkʷ-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	kʷ-is	kw-e-s
Who-Quem	kʷ-em-	kw-ay-m
What	'kʷ-id	kw-e-d
When-Quando	kʷ-ando:	kw-ah-n-d-O
How-Quomodo	'kʷo: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	fa-m-----	f-ah-m
Woman-Domina	dam---	d-ah-m
ManHumanBeing	-ɔm-----	euh-m
ManHumanBeing-Homo	-ɔ--	oon
Child	ã-fã----	NasalA-f-NasalA
Wife	e-pu-z-	ay-p-u-zz
Husband	maki---	m-ah-rr-e
Husband-Sponsus	e-pu----	ay-p-u
Mother	mɛ-ʁ--	m-ay-rr
Fish-Pescion	pwasõ	p-w-ah-s-on
Bird-Avicellum	wa---z-o----	w-ah-zz-oh
Fruit	fʁʁi----	f-rr-eu-e
Flower	flœʁ--	f-l-OpenMidNearFrontRounded-rr
Nose	ne---	n-ay
Sun-Soliculus	sɔləj----	s-euh-l-eh_diphthong
Moon	lyn-	l-eeh-n
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	mɛʁ-	m-eh-rr
Salt	sɛl--	s-eh-l
Earth	t-e-ʁ-	t-ay-rr
Fog-Nebula	nʒɔ---ly	n-jg-euh-l-eeh
Fog-Tenebras	t-en-ɛbʁ-	t-ay-n-eh-b-rr
Fog-Fumata	fyme--	f-eeh-m-ay
Sky	sjɛl--	s-jg-eh-l

Appendix 4 - Word Lists by Language

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--wax-	b-w-a-rr
ToEat-Manducare	mã-ʒ--e--	m-NasalA-gzah-ay
ToBite	m-oxd-ʁ-	m-oh-rr-d-rr
ToSuck	syse--	s-eeh-s-ay
ToSpit	kõ-spye-	k-oon-s-p-eeh-ay
ToKnow-Sapere	savwax-	s-ah-v-w-ah-rr
ToKnow-Cognoscere	kõ-nε-tʁ-	k-euh-n-eh-t-rr
ToThink	kʏ--ide--	k-eu-e-d-ay
ToThink-Pensare	pã-se--	p-NasalA-s-ay
ToFear-Tremere	kʁẽ-d-ʁ-	k-rr-ehn-d-rr
ToSleep	d-oxmik-	d-euh-rr-m-e-rr
ToLive	viv-ʁ-	v-e-v-rr
ToDie	muxik-	m-u-rr-e-rr
ToKill	nwaje--	n-w-aj_diphthong-ay
ToKill-Tutari	t-ʏ-e--	t-eu-ay
ToKill-Mactare	ma-te--	m-ah-t-ay
ToKill-Occidere	oxsi--ʁ-	euh-k-s-e-rr
ToFight-Battuere	bat--ʁ-	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-ε-de--	s-ehnn-d-ay
ToSplit-Findere	fã-d-ʁ-	f-NasalA-d-rr
ToSplit-Partire	paxtik-	p-ah-rr-t-e-rr
ToSplit-Separare	sə-v---ʁe	s-aah-v-rr-ay
ToStab	pwẽ-d-ʁ-	p-w-ehnn-d-rr
ToStab-Iugulare	zygyle--	gzah-eeh-g-eeh-l-ay
ToScratch-Rasare	ʁaze--	rr-a-zz-ay
ToDig	fwix	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	maxʃe	m-ah-rr-shh-ay
ToCome	vənik-	v-aah-n-e-rr
ToLieAsInABed	e-tã-d-ʁ-	ay-t-NasalA-d-rr
ToLieAsInABed-lacere	ʒe-zix-	gzah-ay-zz-e-rr
ToSit	swa--ʁ-	s-w-ah-rr
ToStand	ε-t-ʁ-	eh-t-rr
ToStand-Levare	løve--	l-aah-v-ay
ToStand-Altiare	-o-s-e--	oh-s-ay

Appendix 4 - Word Lists by Language

ToTurnIntransitive	tukne--	t-u-rr-n-ay
ToTurnIntransitive-Gyrare	zike--	gzah-e-rr-ay
ToTurnIntransitive-AncestralClass3-	z--	v-e-rr-ay
ToTurnIntransitive-Torquere	tɔkd-ɣ-	t-euh-rr-d-rr
ToFall	ʃwa--ɣ-	shh-w-ah-rr
ToFall-Tumbare	tõ-be-	t-on-b-ay
ToHold	tən-iɣ-	t-aah-n-e-rr
ToSqueeze	e--pɕẽ-d-ɣ-	ay-p-rr-ehnn-d-rr
ToSqueeze-Serare	se-ɕe--	s-ay-rr-ay
ToSqueeze-Stringere	e-tɕẽ-d-ɣ-	ay-t-rr-ehnn-d-rr
ToRub	fɕeje--	f-rr-eh_diphthong-ay
ToRub-Frictare	fɕote--	f-rr-oh-t-ay
ToWash	lave--	l-ah-v-ay
ToWipe-Exsucare	e-sɕi-je--	ay-s-eu-e-jg-ay
ToPull	tike--	t-e-rr-ay
ToPull-Pulsare	pu-se--	p-u-s-ay
ToPull-Trahere	tɕ--ɛɣ-	t-rr-eh-rr
ToThrow	zə-te	gzah-aah-t-ay
ToThrow-Lanceare	lã-s-e-	l-NasalA-s-ay
ToTie	li-e--	l-e-ay
ToSew	ku-d---ɣ-	k-u-d-rr
ToCount	kõ---te--	k-on-t-ay
ToCount-Enumerare	enumeɕe--	ay-n-u-m-ay-rr-ay
ToSay	di--ɣ	d-e-rr
ToSing-AncestralClass	ʃã-te--	shh-NasalA-t-ay
ToPlay-Jiocare	z-w-e--	gzah-w-ay
ToFloat	flyktɕe--	f-l-eeh-k-t-eu-ay
ToFlow	flye--	f-l-eeh-ay
ToFlow-Colare	kule--	k-u-l-ay
ToFlow-Currere	ku-ɣiɣ-	k-u-rr-e-rr
ToFreeze	zəle--	gzah-aah-l-ay
ToFreeze-Glaciare	gla-s-e--	g-l-ah-s-ay
ToBurn-Brojan	bɕyle--	b-rr-eeh-l-ay
ToBurn-Cremare	kɕame--	k-rr-ah-m-ay
ToBurn-Flammare	flã-be--	f-l-NasalA-b-ay
ToBurn-Ardere	aɕd-ɣ-	ah-rr-d-rr
ToBurn-Flagrare	flagɕe--	f-l-ah-g-rr-ay
ToBurn-Incendere	ẽ-sa-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-ɣ-	oh-t-rr
Big-Grandem	gɕã---	g-rr-NasalA
Long-Longum	lõ-----	l-oon
Long-Largum	laɕz--	l-ah-rr-gzah
Wide	le---	l-ay

Appendix 4 - Word Lists by Language

Wide-Amplum	ã-pl--	NasalA-p-l
Heavy	gɣav--	g-rr-ah-v
Heavy-Lurdus	luɣ---	l-u-rr
Heavy-Pesant	pəzã---	p-aah-zz-NasalA
Small	pə-ti---	p-aah-t-e
Short	kuɣ---	k-u-rr
Short-Brevis	bɣef--	b-rr-eh-f
Narrow-Strictus	e-tɰwa-----	ay-t-rr-w-ah
Thin	məny----	m-aah-n-eeh
Thin-Delicatus	du:--ʒe:---	d-U-gzah-ai
Red-Russus	ɣu----	rr-u
Red-Vermiculus	vɣmɛj----	v-eh-rr-m-eh_diphthong
Red-Rubeus	ɣu-ʒ---	rr-u-gzah
Green	vɣ-----	v-ay-rr
One	œ---	uuh
Two-Duos	d-ø-	d-uu
Three	tɰwa-	t-rr-w-a
Four	k-a-t--ɣ-	k-ah-t-rr
Five	sẽ-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	kɰmã--	k-euh-m-NasalA
Not	nõ-	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	nipo	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

Appendix 4 - Word Lists by Language

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-ɣwa	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
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-ɲo-	ah-VdPalatalNasal-oh
Name-Nominem	nom-bre-	n-oh-m-b-er-ay
Tongue	'lengwa	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-ɲar-	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

Appendix 4 - Word Lists by Language

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
ToTurnIntransitive-Gyrare	xirar-	xha-e-er-ah-er
ToTurnIntransitive-AncestralCl	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	estren-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	laβar-	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

Appendix 4 - Word Lists by Language

ToPull-Pulsare	pu-xar-	p-u-xha-ah-er
ToThrow	-e-ʃar	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	-elar-	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-ʃfo-	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-ɲo-	m-ah-VdPalatalNasal-oh
Big-Grandem	grande-	g-er-ah-n-d-ay
Long-Longum	lo-ngo-	l-oh-n-j-oh
Long-Largum	larɣo-	l-ah-er-juh-oh
Wide	lato-	l-ah-t-oh
Wide-Amplum	anʃ-o-	ah-n-ts-oh
Heavy	grabe-	g-er-ah-b-ay
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-ʃfo-	ay-s-t-er-ay-ts-oh
Thin	menu-do-	m-ay-n-u-d-oh
Thin-Delicatus	del-ɣaðo-	d-ay-l-juh-ah-dd-oh
Thin-Subtilis	su-til--	s-u-t-e-l

Appendix 4 - Word Lists by Language

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-tʃf-ello-	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	nariʎʎe	n-ah-r-e-ts-ay
Sun	sole-	s-oh-l-ay
Moon	luna	l-u-n-ah

Appendix 4 - Word Lists by Language

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	'ʃ-elo-	ts-eh-l-oh
Wind	'v-ento-	v-eh-n-t-oh
Fire-Focus	fwɔko-	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	kattʃ-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-ʎʎaːre	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

Appendix 4 - Word Lists by Language

ToStab-Iugulare	jugula:re	jg-u-j-u-l-A-r-ay
ToScratch	radere	r-ah-d-ay-r-ay
ToScratch-Rasare	rasare	r-ah-s-ah-r-ay
ToDig-Cavare	kavare	k-ah-v-ah-r-ay
ToDig-Excavare	--skavare	s-k-ah-v-ah-r-ay
ToSwim	nwotare	n-w-oh-t-ah-er-ay
ToSwim-Navigare	navigare	n-ah-v-e-g-ah-r-ay
ToFly	volare	v-oh-l-ah-er-ay
ToFly-Exvolare	zvolare	zz-v-oh-l-ah-er-ay
ToWalk	kamminare	k-ah-m-m-e-n-ah-er-ay
ToWalk-Mergere	merdzere	m-eh-r-VdPalatoAlveolarSibilant-ay-r-ay
ToWalk-Ambitare	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	dza-tfe: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-VlAlveolarSibilantAffricate-ah-r-ay
ToTurnIntransitive	tornare	t-oh-r-n-ah-r-ay
ToTurnIntransitive-Gyrate	dzirare	VdPalatoAlveolarSibilant-e-r-ah-er-ay
ToTurnIntransitive-AncestralClass	evirare	v-e-r-ah-er-ay
ToTurnIntransitive-Torquere	tortfere	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	--sprem-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	aff-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	dzettare	VdPalatoAlveolarSibilant-ay-t-t-ah-r-ay
ToThrow-Lanceare	lantfare	l-ah-n-ts-ah-r-ay
ToThrow-Eruncare	arrontfare	ah-r-r-oh-n-ts-ah-r-ay
ToTie	legare	l-ay-g-ah-r-ay
ToSew	ku--tf-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

Appendix 4 - Word Lists by Language

ToPlay-Jiocare	dzo-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	dzelare	VdPalatoAlveolarSibilant-ay-l-ah-r-ay
ToFreeze-Glaciare	gjattfjare	g-jg-ah-t-ts-jg-ah-r-ay
ToBurn-Brojan	brufare	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	infendjare	e-n-ts-eh-n-d-jg-ah-r-ay
ToBurn-AncestralClass8	ustolare	u-s-t-oh-l-ah-r-ay
All	oŋpi-	oh-VdPalatalNasal-VdPalatalNasal-e
All-Totus	tutto-	t-u-t-t-oh
Many	molto-	m-oh-l-t-oh
Many-Tantus	tanto-	t-ah-n-t-oh
Some	alkuno	ah-l-k-u-n-oh
Few	poko-	p-euh-k-oh
Other	alt-ro	ah-l-t-r-oh
Big	majno-	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	greve-	g-r-eh-v-ay
Heavy-Lurdus	lordo-	l-oh-r-d-oh
Heavy-Pesant	pesante	p-ay-s-ah-n-t-ay
Small-Pittinus	pittfino-	p-e-t-ts-e-n-oh
Small-Pitulus	pikkolo-	p-e-k-k-oh-l-oh
Short	korto-	k-oh-r-t-oh
Short-Brevis	breve-	b-r-eh-v-ay
Narrow	angusto-	ah-n-g-u-s-t-oh
Narrow-Strictus	-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	vermiλ-λo-	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

Appendix 4 - Word Lists by Language

Two-Duae	du-e	d-u-ay
Three	'tr-e-	t-r-ay
Four	kwatt--ro	k-w-ah-t-t-r-oh
Five	'fɪŋkwe	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	nɔj-s	n-euh-jg-s
YouPlural	vɔjs	v-euh-jg-s
YouSingular	tu	t-u
YouSingular-VostramMercedem	mos-e-	v-oh-s-ay
Woman	fe-me---e	f-ay-m-ay-ahh
Woman-Mulier	muʎ-eɤ--	m-u-yuh-ay-rr
Woman-Domina	do--nɐ	d-oh-n-ahh
ManHumanBeing	omẽj---	oh-m-nasal_diphthong_portuguese1
Child	ĩ-fẽ-tʃi-	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	muʎ-eɤ-	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	pejʃ-i-	p-ej_diphthong-shh-e
Bird-Avem	avi-	ah-v-e
Bird-Passerem	pa-sɐru-	p-ah-s-ahh-er-u
Fruit	fru--tɐ-	f-er-u-t-ahh
Flower	floɤ--	f-l-oh-rr
Nose-Nares	naris-	n-ah-er-e-s
Sun	sɔw--	s-euh-w
Moon	lu-e	l-u-ahh
Star	istre-lɐ	e-s-t-er-ay-l-ahh
Water	'a-gwɐ	ah-g-w-ahh
Rain	ʃ-u-v-e	shh-u-v-ahh
Lake	lagu-	l-ah-g-u
Sea	maɤ-	m-ah-rr
Salt	saw--	s-ah-w

Appendix 4 - Word Lists by Language

Earth	't-e-ʁə	t-ay-rr-ahh
Fog	kalizẽj̃---	k-ah-l-e-gzah-nasal_diphthong_portuguese1
Fog-Nebula	n-ɛ-vw-ə	n-eh-v-w-ahh
Fog-Fumata	fumasə	f-u-m-ah-s-ahh
Sky	s-ɛw--	s-eh-w
Wind	'v-ẽ-tu-	v-ehn-t-u
Fire-Focus	f-ogu-	f-oh-g-u
Year	ɐ-nu-	ahh-n-u
Name-Nomen	nomi-	n-oh-m-e
Tongue	'lĩ-gwə	l-een-g-w-ahh
ToDrink	beb-ɛʁ-	b-ay-b-ay-rr
ToEat	kome---	k-oh-m-ay
ToEat-Manducare	mẽ-ʒ--aʁ-	m-ahn-gzah-ah-rr
ToBite	m-oʁdɛʁ-	m-oh-rr-d-ay-rr
ToBite-Morsicare	mu-səga--	m-u-s-aah-g-ah
ToSuck	sugaʁ-	s-u-g-ah-rr
ToSpit	ku-spiʁ	k-u-s-p-e-rr
ToKnow-Sapere	sab-ɛʁ-	s-ah-b-ay-rr
ToKnow-Cognoscere	ko-ɲes-ɛʁ-	k-oh-VdPalatalNasal-ay-s-ay-rr
ToThink	k-uʒitaʁ-	k-u-gzah-e-t-ah-rr
ToThink-Pensare	pẽ-saʁ-	p-ehn-s-ah-rr
ToFear	temɛʁ-	t-ay-m-ay-rr
ToFear-Tremere	trem-ɛʁ-	t-er-ay-m-ay-rr
ToSleep	d-oʁmiʁ-	d-oh-rr-m-e-rr
ToLive	viveʁ-	v-e-v-ay-rr
ToDie	moʁɛʁ-	m-oh-rr-ay-rr
ToKill-Mactare	ma-taʁ-	m-ah-t-ah-rr
ToFight-Battuere	ba-t-ɛʁ-	b-ah-t-ay-rr
ToHunt-Captiare	ka-s-aʁ-	k-ah-s-ah-rr
ToHit	pu-ʃaʁ-	p-u-shh-ah-rr
ToCut	s-eg-aʁ-	s-ay-g-ah-rr
ToCut-Curtare	koʁtaʁ-	k-oh-rr-t-ah-rr
ToCut-Taliare	ta-ʎ-aʁ-	t-ah-yuh-ah-rr
ToSplit	dʒividʒiʁ-	VdPalatoAlveolarSibilant-e-v-e-VdPalatoAlveolarSibilant -e-rr
ToSplit-Findere	fẽ-deʁ-	f-ehn-d-ay-rr
ToSplit-Partire	paʁʃiʁ-	p-ah-rr-ts-e-rr
ToSplit-Separare	separaʁ-	s-ay-p-ah-er-ah-rr
ToStab	p-ũ-ʒiʁ-	p-ooo-gzah-e-rr
ToScratch	ʁa-ɛʁ-	rr-ah-ay-rr
ToScratch-Rasare	ʁazaʁ-	rr-ah-zz-ah-rr
ToScratch-Rasicare	ʁaʃkaʁ	rr-ah-shh-k-ah-rr
ToScratch-Coctiare	kosaʎ	k-oh-s-ah-VdRetroflexApproximant
ToDig-Cavare	kəvaʁ	k-ahh-v-ah-rr
ToDig-Excavare	i-ʃkəvaʁ-	e-shh-k-ahh-v-ah-rr
ToSwim	n-adaʁ-	n-ah-d-ah-rr
ToSwim-Navigare	naviʎaʁ-	n-ah-v-eee-juh-ah-rr

Appendix 4 - Word Lists by Language

ToFly	vo-aꝥ-	v-oh-ah-rr
ToWalk	kəminꝥ-	k-ahh-m-e-VdPalatalNasal-ah-rr
ToWalk-Ambitare	ẽ-d--aꝥ-	ahn-d-ah-rr
ToCome	v--iꝥ-	v-e-rr
ToLieAsInABed	istẽ-deꝥ-	e-s-t-ehn-d-ay-rr
ToLieAsInABed-lacere	ʒv-zəꝥ-	gzah-ahh-zz-ay-rr
ToSit	s-e--ꝥ-	s-ay-rr
ToSit-Sedentare	sẽ---tar-	s-ehn-t-ah-er
ToStand	ĩʃtar-	eee-shh-t-ah-er
ToStand-Levare	levaꝥ-	l-ay-v-ah-rr
ToStand-Altiare	-aʃs-a--	ah-ssha-s-ah
ToTurnIntransitive	toꝥnaꝥ-	t-oh-rr-n-ah-rr
ToTurnIntransitive-Gyrare	ʒirar-	gzah-e-er-ah-er
ToTurnIntransitive-AncestralClass	ẽvirar-	v-e-er-ah-er
ToTurnIntransitive-Torquere	turser-	t-u-r-s-ay-r
ToFall	k-ẽ-ir-	k-ahh-e-er
ToFall-Tumbare	tõ-baꝥ	t-on-b-ah-rr
ToHold	te---ꝥ-	t-ay-rr
ToHold-Segurar	siguraꝥ	s-eee-g-u-er-ah-rr
ToSqueeze	i-ʃprəm-eꝥ-	e-shh-p-r-aah-m-ay-rr
ToSqueeze-Serrere	se-ka--	s-ay-rr-ah
ToSqueeze-Serare	si-ka-	s-eee-rr-ah-er
ToSqueeze-Appetorare	ẽ-pi-r-tar-	ahh-p-eee-er-t-ah-er
ToSqueeze-Stringere	əʃtri-ʒir-	aah-shh-t-r-een-gzah-e-r
ToRub-Exfricare	ĩʃfrigar	eee-shh-f-er-eee-g-ah-er
ToWash	lɐvar-	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	ʃi-ra--	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	lɐ-s-a--	l-ahn-s-ah
ToTie-Aptare	ẽ-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-gaꝥ-	gzah-oh-g-ah-rr
ToFloat	flu-tuaꝥ-	f-l-u-t-u-ah-rr
ToFlow	flwiꝥ-	f-l-w-e-rr
ToFlow-Colare	ko-aꝥ-	k-oh-ah-rr
ToFlow-Excurrere	i-ʃko-ꝥeꝥ-	e-shh-k-oh-rr-ay-rr
ToFlow-Currere	ko-ꝥeꝥ-	k-oh-rr-ay-rr
ToFreeze	ʒilar-	gzah-eee-l-ah-er
ToBurn-Cremare	k-ejmare	k-diphthong_portuguese-m-ah-er-ay

Appendix 4 - Word Lists by Language

ToBurn-Ardere	akdek-	ah-rr-d-ay-rr	
ToBurn-Flagrare	flagkak-	f-l-ah-j-rr-ah-rr	
ToBurn-Incendere	ĩ-sendʒiar-	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	tẽ-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-dʒi-	g-er-ahn-VdPalatoAlveolarSibilant-e	
Long-Longum	lõ-gu-	l-on-g-u	
Long-Largum	lakgu-	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	kuɣtu-	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-ʃiɰw--	s-u-ts-e-w	
Red-Russus	ɣo-ʃü-	rr-oh-shh-NearCloseBackRounded	
Red-Vermiculus	veɣme--ʎu-	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	duəs	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-ẽj--	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	nẽj	n-nasal_diphthong_portuguese1	
And-Et	i-	e	

Appendix 4 - Word Lists by Language

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	mɔs-e-	v-euh-s-ay
Woman	'fe-mj---ɐ	f-ay-m-jg-ahh
Woman-Mulier	muʎ-er--	m-u-yuh-ay-er
Woman-Domina	do--nɐ	d-oh-n-ahh
ManHumanBeing	ɔmẽj---	euh-m-nasal_diphthong_portuguese1
Child	ĩ-fẽ-ti-	een-f-ahn-t-eee
Child-Ninnus	nenẽj	n-ay-n-nasal_diphthong_portuguese1
Wife	ĩʃpo-zɐ	eee-shh-p-oh-zz-ahh
Wife-Mulier	muʎ-er-	m-u-yuh-ay-er
Husband	mɐriðu-	m-ahh-er-e-dd-u
Husband-Sponsus	ĩʃpo-zu-	eee-shh-p-oh-zz-u
Mother	mẽj---	m-nasal_diphthong_portuguese2
Fish-Piskem	pɛijf-i-	p-diphthong_portuguese-shh-eee
Bird-Avem	avi-	ah-v-eee
Bird-Passerem	pa-sɐru-	p-ah-s-ahh-er-u
Fruit	fru--tɐ-	f-er-u-t-ahh
Flower	flor--	f-l-oh-er
Nose-Nares	nɐrijf-	n-ahh-er-e-shh
Sun	sɔt--	s-euh-ssha
Moon	lu-ɐ	l-u-ahh
Star	ĩʃtre-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-kɐ	t-eh-rr-ahh
Fog	kɛlizẽj---	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	fumase	f-u-m-ah-s-ahh
Sky	s-ɛw--	s-eh-w
Wind	'v-ẽ-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	biβ-er-	b-eee-bb-ay-er
ToEat	kum--er-	k-u-m-ay-er
ToEat-Manducare	mẽ-ʒ--ar-	m-ahn-gzah-ah-er
ToBite	m-urðer-	m-u-er-dd-ay-er

Appendix 4 - Word Lists by Language

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	səb-er-	s-ahh-b-ay-er
ToKnow-Cognoscere	ku-nis-er-	k-u-VdPalatalNasal-eee-s-ay-er
ToThink	k-uʒitar-	k-u-gzah-e-t-ah-er
ToThink-Pensare	pē-sar-	p-ehn-s-ah-er
ToFear	timer-	t-eee-m-ay-er
ToFear-Tremere	trim-er-	t-er-eee-m-ay-er
ToSleep	d-urmir-	d-u-er-m-e-er
ToLive	viver-	v-e-v-ay-er
ToDie	muker-	m-u-rr-ay-er
ToKill-Mactare	mə-tar-	m-ahh-t-ah-er
ToFight-Battuere	bə-t-er-	b-ahh-t-ay-er
ToHunt-Captiare	kə-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
ToCut-Taliare	tə-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	kə-er-	rr-ahh-ay-er
ToScratch-Rasare	kəzar-	rr-ahh-zz-ah-er
ToScratch-Rasicare	kəʃkar	rr-ahh-shh-k-ah-er
ToScratch-Coctiare	kusar	k-u-s-ah-er
ToDig-Cavare	kəvar	k-ahh-v-ah-er
ToDig-Excavare	i-ʃkəvar-	e-shh-k-ahh-v-ah-er
ToSwim	n-eðar-	n-ahh-dd-ah-er
ToSwim-Navigare	neviyar-	n-ahh-v-eee-juh-ah-er
ToFly	vw-ar-	v-w-ah-er
ToWalk	kəminar-	k-ahh-m-e-VdPalatalNasal-ah-er
ToWalk-Ambitare	ẽ-d--ar-	ahn-d-ah-er
ToCome	v--ir-	v-e-er
ToLieAsInABed	iftē-der-	e-shh-t-ehn-d-ay-er
ToLieAsInABed-lacere	ʒə-zer-	gzah-ahh-zz-ay-er
ToSit	s-e--r-	s-ay-er
ToSit-Sedentare	sē---tar-	s-ehn-t-ah-er
ToStand	iftar-	eee-shh-t-ah-er
ToStand-Levare	livar-	l-eee-v-ah-er
ToStand-Altiare	-als-ar-	ah-ssha-s-ah-er
ToTurnIntransitive	turnar-	t-u-er-n-ah-er
ToTurnIntransitive-Gyrare	zirar-	gzah-e-er-ah-er
ToTurnIntransitive-AncestralClass	zəz-	gzah-e-er-ah-er
ToTurnIntransitive-Torquere	turser-	t-u-r-s-ay-r

Appendix 4 - Word Lists by Language

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	siyurar	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-ɾar-	s-eee-rr-ah-er
ToSqueeze-Appetorare	ɐ-pi-r-tar-	ahh-p-eee-er-t-ah-er
ToSqueeze-Stringere	əʃtrɪzɪr-	aah-shh-t-r-een-gzah-e-r
ToRub-Exfricare	ɪʃfriɪar	eee-shh-f-er-eee-juh-ah-er
ToWash	lɐvar-	l-ahh-v-ah-er
ToWipe-Exsucare	ẽ-ʃ-uy-ar-	ehn-shh-u-juh-ah-er
ToWipe-Limpidare	li-p--ar-	l-een-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	zɛjtɐr	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	kẽ-tar-	k-ahn-t-ah-er
ToPlay-Jiocare	zu-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
ToFlow-Excurrere	i-ʃku-rer-	e-shh-k-u-VIUvularTrill-ay-er
ToFlow-Currere	ku-ɾer-	k-u-rr-ay-er
ToFreeze	zilar-	gzah-eee-l-ah-er
ToBurn-Cremare	k-ejmaɾe	k-ej_diphthong-m-ah-rr-ay
ToBurn-Ardere	ɐrder-	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	atgũ--	ah-ssha-g-ooo
Few	powku	p-oh-w-k-u
Other	owt-ru	oh-w-t-er-u
Other-Alius	at---	ah-ssha
Big-Grandem	grẽ-di-	g-er-ahn-d-eee
Long-Longum	lõ-gu-	l-on-g-u
Long-Largum	langu-	l-ah-er-g-u
Wide	latu-	l-ah-t-u
Wide-Amplum	ẽ-ʃ-u-	ahn-shh-u

Appendix 4 - Word Lists by Language

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	ĩʃtr-ɐj--tu-	eee-shh-t-er-diphthong_portuguese-t-u
Thin	mi-u-ðu-	m-e-u-dd-u
Thin-Delicatus	dɛʎ-ɣaðu-	d-eh-ssha-juh-ah-dd-u
Thin-Subtilis	su-ʃiʍ--	s-u-ts-e-w
Red-Russus	ʁo-ʃu-	rr-oh-shh-u
Red-Vermiculus	viɾmɐj--ʎu-	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	duɐʃ	d-u-ahh-shh
Three	tr-ɐʃ	t-er-ay-shh
Four	kwa-t--ru	k-w-ah-t-er-u
Five	'sĩ-k-u	s-een-k-u
Here	-ɐ-k---i-	ahh-k-e
There	--la-	l-ah
There-Adlbi	ɐi	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	komu--	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
YouSingular-VostramMerceder	voste-	v-oh-s-t-ay
Woman	fe-m-br-a	f-ay-m-b-er-ah
Woman-Mulier	muʎ-e---	m-u-yuh-ay
Woman-Domina	dɔ--nə	d-euh-n-aah
ManHumanBeing	-ɔmə---	euh-m-aah
Child-Ninnus	nen-	n-ay-n
Wife	əspɔ-zə	aah-s-p-euh-zz-aah
Wife-Mulier	muʎ-e-	m-u-yuh-ay
Husband	marit--	m-ah-er-e-t
Husband-Sponsus	əspɔ-s--	aah-s-p-euh-s
Mother	ma-rə-	m-ah-er-aah

Appendix 4 - Word Lists by Language

Fish-Piskem	pef---	p-ay-shh
Bird-Avem	aw--	ah-w
Bird-Avicellum	--u--s-e-ʌ--	u-s-ay-yuh
Fruit	fruj-t--	f-er-u-jg-t
Flower	flɔ---	f-l-euh
Nose	nas	n-ah-s
Nose-Nares	na:ris-	n-A-r-NearCloseFrontUnrounded-s
Sun	sɔl--	s-euh-l
Moon	ʌunə	yuh-u-n-aah
Star	əst-ɛ-l-	aah-s-t-eh-l
Water	'aj-ɣwə	aj_diphthong-juh-w-aah
Rain	plu-ʒ-ə	p-l-u-gzah-aah
Lake	ʌak--	yuh-ah-k
Sea	mar-	m-ah-r
Salt	sal--	s-ah-l
Earth	't-ɛ-rə	t-eh-r-aah
Fog-Nebula	n-e--wlə	n-ay-w-l-aah
Fog-Tenebras	t-ən-ɛbrəs	t-aah-n-ay-b-er-aah-s
Sky	s-ɛl--	s-eh-l
Wind	b-en---	b-ay-n
Fire-Focus	f-ɔk--	f-euh-k
Year	a-ɲ--	ah-VdPalatalNasal
Name-Nomen	nəm--	n-euh-m
ToDrink	bɛw--rə	b-eh-w-er-aah
ToEat-Manducare	mənʒ--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-ɛ--	s-aah-bb-eh
ToKnow-Cognoscere	ku-nɛʃ-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-ʌ-a--	t-aah-yuh-ah
ToSplit	dibidi--	d-e-b-e-d-e
ToSplit-Findere	fənd-rə	f-eh-n-d-er-aah
ToSplit-Partire	pərti--	p-aah-r-t-e
ToSplit-Separare	səpəra--	s-aah-p-aah-er-ah

Appendix 4 - Word Lists by Language

ToStab	p-un-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	tsəb-	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	əstreɲə	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-stərzi--	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	trəw-rə	t-er-eh-w-er-aah
ToPush	əmpɛɲ-ə--	aah-m-p-eh-VdPalatalNasal-aah
ToThrow	xita	xha-e-t-ah
ToThrow-Lanceare	ləns-a--	yuh-aah-n-s-ah
ToTie	liya--	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	kuła--	k-u-ssha-ah
ToFlow-Excurrere	ə-sko-rə--	aah-s-k-oh-r-aah
ToFlow-Currere	ko-rə--	k-oh-r-aah

Appendix 4 - Word Lists by Language

ToFreeze	ʒəla--	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	mɒl---	m-oh-l
Many-Tantus	tant--	t-ah-n-t
Some	əlgu--	aah-l-g-u
Few	pək--	p-euh-k
Other	alt-rə	ah-l-t-er-aah
Big-Grandem	gran---	j-r-ah-n
Long-Longum	lɔŋ---	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	'siŋk--	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

Appendix 4 - Word Lists by Language

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	ε-fã----	eh-f-NasalA
Mother	me-R--	m-ay-VIUvularTrill
Fish-Pescion	p-ehð	p-eh-h-on
Bird-Avicellum	--u:--h-ε:----	U-h-Eh
Fruit	fry-----	f-VIUvularTrill-eeh
Flower	flø:ɣ--	f-l-o-rr
Nose	ne---	n-ay
Sun	solo-	s-euh-l-euh
Moon	løn-	l-uu-n
Star	-st-ø:-l-	s-t-o-l
Water	ε:--w-	Eh-w
Rain	plu:-ɣ--	p-l-U-rr
Lake	lak--	l-ah-k
Sea	meɣ-	m-ay-rr
Salt	se---	s-ay
Earth	t-ε:-ɣ-	t-Eh-rr
Sky	s-i:ɣ--	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:ɣ-	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	mɔri--	m-euh-VIUvularTrill-e
ToKill-Tutari	tuw-e--	t-u-w-ay
ToFight-Battuere	bat-e--	b-ah-t-ay
ToHunt-Captiare	ʃfε-s-i:--	ts-eh-s-E
ToCut-Taliare	tε--ji:--	t-eh-jg-E
ToSplit-Findere	fẽ-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	nε--dʒi:--	n-eh-VdPalatoAlveolarSibilant-E
ToFly	vɔle--	v-euh-l-ay
ToWalk	ʃʃimine--	ts-e-m-e-n-ay
ToWalk-Marcher	ma:Rʃi:	m-A-VIUvularTrill-ts-E
ToCome	vini--	v-e-n-e

Appendix 4 - Word Lists by Language

ToLieAsInABed-lacere	dʒe--re	VdPalatoAlveolarSibilant-ay-r-ay
ToStand	ɛs----	eh-s
ToStand-Levare	lɔve--	l-aah-v-ay
ToStand-Altiare	hɔ:-s-i:	h-LongOpenMidBackRounded-s-E
ToTurnIntransitive	tu:rne-	t-U-r-n-ay
ToTurnIntransitive-AncestralClass3-	tsɜ-	v-e-rr-ay
ToFall	ʃ-ɛ:--R-	ts-Eh-VIUvularTrill
ToFall-Tumbare	tum-e-	t-u-m-ay
ToHold	tin-i--	t-e-n-e
ToSqueeze-Serare	sɛ-re--	s-eh-VIUvularTrill-ay
ToSqueeze-Stringere	stringe	s-t-r-e-n-j-ay
ToRub	froj----	f-r-øj_diphthong
ToRub-Frictare	fɔte--	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	ʃã-te--	ts-NasalA-t-ay
ToPlay-Jiocare	dʒuw-e--	VdPalatoAlveolarSibilant-u-w-ay
ToFlow-Colare	kɔle--	k-euh-l-ay
ToFreeze	dʒale--	VdPalatoAlveolarSibilant-ah-l-ay
ToBurn-Brojan	bɤu:le--	b-rr-U-l-ay
All-Totus	tɔ----	t-euh
Few	põ---	p-on
Other	õ-t---	on-t
Big-Grandem	gɤã---	j-rr-NasalA
Long-Longum	lõ-----	l-on
Heavy	grav--	j-r-ah-v
Small	pi-ti---	p-e-t-e
Short	ku:ɤ---	k-U-rr
Short-Brevis	bɤef--	b-rr-ay-f
Narrow-Strictus	-stɤ-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	vɤɤ-----	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	sẽ-k--	s-ehn-k

Appendix 4 - Word Lists by Language

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

Friulian

Cognate	IPA	Sounds
I	j--o	jg-oh
We	no:--	n-O
YouPlural	vo:--	v-O
YouSingular	tu	t-u
Woman	fɛ-mi-n-ɛ	f-eh-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--ʃjɛ-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
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	'lɛng-ɛ	l-eh-n-j-eh
ToDrink	bevi--	b-ay-v-e
ToEat-Manducare	manj--a:--	m-ah-nya-VdPalatalStop-A
ToBite	mwardi--	m-w-ah-r-d-e
ToSuck	cuca:--	tya-u-tya-A

Appendix 4 - Word Lists by Language

To Spit-Sputare	spuda:--	s-p-u-d-A
To Know-Sapere	sav-e:--	s-ah-v-ai
To Know-Cognoscere	ko-nos-i--	k-oh-VdPalatalNasal-oh-s-e
To Think-Pensare	pen̥sa:--	p-ay-nya-s-A
To Fear	temi:--	t-ay-m-e
To Fear-Tremere	trim-a:--	t-r-e-m-A
To Sleep	d-urmi:--	d-u-r-m-E
To Live	vivi:--	v-e-v-e
To Die	muri:--	m-u-r-E
To Kill-Mactare	maʃ-a:--	m-ah-ts-A
To Fight-Battuere	bat-i--	b-ah-t-e
To Hunt-Captiare	ca-ʃ-a:--	tya-ah-ts-A
To Hit	pulsa:-	p-u-l-s-A
To Cut	s-e-a:--	s-ay-A
To Cut-Excurtare	--skurta:--	s-k-u-r-t-A
To Cut-Taliare	ta--ja:--	t-ah-jg-A
To Split	dividi--	d-e-v-e-d-e
To Split-Partire	parti:--	p-ah-r-t-E
To Split-Separare	separa:--	s-ay-p-ah-r-A
To Scratch	rada:--	r-ah-d-A
To Scratch-Rasare	rasa:--	r-ah-s-A
To Dig-Cavare	java:	VdPalatalStop-ah-v-A
To Dig-Excavare	--zjava:--	zz-VdPalatalStop-ah-v-A
To Swim	n-ada:--	n-ah-d-A
To Swim-Navigare	naviga:--	n-ah-v-e-j-A
To Fly-Exvolare	zvola:--	zz-v-oh-l-A
To Walk	camina:--	tya-ah-m-e-n-A
To Come	vijni:-	v-e-VdPalatalNasal-E
To Lie As In A Bed-lacere	je-si--	jg-ay-s-e
To Sit-Sedentare	se--nta:--	s-ay-n-t-A
To Stand	-sta:--	s-t-A
To Stand-Levare	leva:--	l-ay-v-A
To Stand-Altiare	-altʃ-a:	ah-l-t-shh-A
To Turn Intransitive	torna:--	t-oh-r-n-A
To Turn Intransitive-Gyrare	dʒira:--	VdPalatoAlveolarSibilant-e-r-A
To Turn Intransitive-Ancestral Class 3	absa:--	VdPalatoAlveolarSibilant-e-r-A
To Fall	ʃʃade--	ts-jg-ah-d-ay
To Hold	tinji:--	t-e-n-jg-e
To Squeeze	e-sprim-i--	ay-s-p-r-e-m-e
To Squeeze-Stringere	strengi:--	s-t-r-eh-n-j-E
To Rub	fre-a--	f-r-ay-ah
To Wash	lava:--	l-ah-v-A
To Wipe-Exsucare	--s-u-ja:--	s-u-jg-A
To Pull	tira:--	t-e-r-A
To Pull-Pulsare	pulsa:--	p-u-l-s-A
To Pull-Trahere	traj---	t-r-aj_diphthong
To Throw-Lanceare	lanʃa:--	l-ah-n-ts-A

Appendix 4 - Word Lists by Language

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	dɟuj-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-ε--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	rɔ-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

Appendix 4 - Word Lists by Language

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	mərīt--	m-aah-r-e-t
Husband-Socius	sots---	s-oh-VlAlveolarSibilantAffricate
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	lunə	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	negurə	n-ay-g-u-r-aah
Fog-Caecia	ʃeaf-ə	ts-midfront_diphthong_romanian-ts-aah
Sky	ʃf-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	sudʒe--	s-u-VdPalatoAlveolarSibilant-ay
ToSpit-Exconspuere	-skujpa	s-k-u-jg-p-ah
ToKnow	ʃti--	shh-t-e
ToKnow-Cognoscere	ku-noaʃte--	k-u-n-midback_diphthong_romanian-shh-t-ay
ToThink	k-udʒeta--	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-ʃide--	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

Appendix 4 - Word Lists by Language

ToSplit	divide--	d-e-v-e-d-ay
ToSplit-Separare	separa--	s-ay-p-ah-r-ah
ToStab	pundze--	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	merdze--	m-ay-r-VdPalatoAlveolarSibilant-ay
ToCome	veni--	v-ay-n-e
ToLieAsInABed	ekstinde--	ay-k-s-t-e-n-d-ay
ToLieAsInABed-lacere	zə-ŋeə--	zz-aah-ts-midfront_diphthong_romanian
ToSit	ŋ-e-deə--	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	toarŋe--	t-midback_diphthong_romanian-r-ts-ay
ToFall	kədeə--	k-aah-d-midfront_diphthong_romanian
ToHold	tsin-e--	VlAlveolarSibilantAffricate-e-n-ay
ToSqueeze	-sk-reme--	s-k-r-ay-m-ay
ToSqueeze-Stringere	strindze--	s-t-r-eee-n-VdPalatoAlveolarSibilant-ay
ToRub	freka--	f-r-ay-k-ah
ToWash	la----	l-ah
ToWipe-Extergere	--ŋterdze--	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	tradze--	t-r-ah-VdPalatoAlveolarSibilant-ay
ToPush	impindze--	eee-m-p-e-n-VdPalatoAlveolarSibilant-ay
ToThrow-Eruncare	a-runka	ah-er-u-nya-k-ah
ToTie	lega--	l-ay-j-ah
ToSew	coa--s-e--	tya-midback_diphthong_romanian-s-ay
ToCount-Enumerare	-numara--	n-u-m-ah-r-ah
ToSay	ziŋe	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	--skurdze--	s-k-u-er-VdPalatoAlveolarSibilant-ay
ToFlow-Currere	kurdze--	k-u-er-VdPalatoAlveolarSibilant-ay
ToFreeze-Inglaciare	ing-ets-a--	eee-n-j-ay-VlAlveolarSibilantAffricate-ah
ToBurn-Ardere	arde--	ah-er-d-ay
ToBurn-Incendere	inŋindze--	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

Appendix 4 - Word Lists by Language

Wide	lat--	l-ah-t
Heavy	grew--	j-er-ay-w
Small-Pittinus	pu-tsin--	p-u-VIAIveolarSibilantAffricate-e-n
Narrow	ɪŋgust--	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-VIAIveolarSibilantAffricate-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-øj-	d-øj_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	ʃɪnʃ--	ts-e-n-ts
There	--la-	l-ah
Who-Quem	ʃɪ-ne	ts-e-n-ay
What	ʃɪ-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	j̥ 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
j̥ 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	ɹ 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	ẽj̃ 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

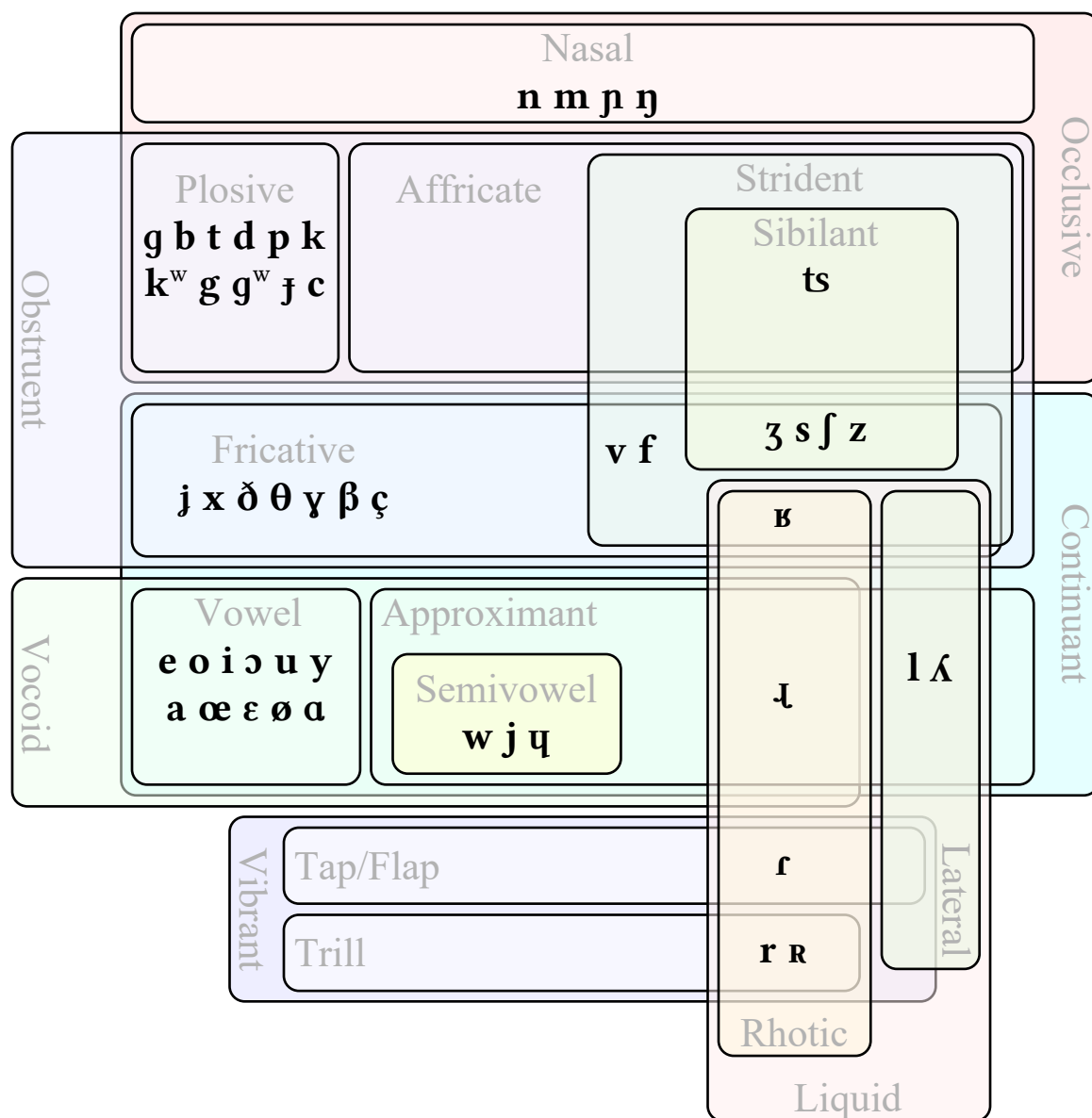
Appendix 5 - Segment Groups

ʈʃ Palato-Alveolar Pulmonic Sibilant Affricate	ɪ Close Central Vowel
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
ʈʂ Alveolar Pulmonic Sibilant Affricate Occlusive Strident	aː 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
ɛj Mid Front Vowel Diphthong	õ Close-mid Back Rounded Nasal Vowel
ɛː Open-mid Near-Front Vowel Long Vowel Continuant	ɥ Labial-Palatal Vowel Semivowel Voiced Approximant Continuant
øː Open Front Rounded Vowel Long Vowel	ɭ Alveolar Voiced Velarized Pulmonic Lateral Approximant
ɛj Mid Front Vowel Diphthong	ø Close-mid Front Rounded Vowel Continuant
e Mid Front Vowel Diphthong	k Labial-Velar Pulmonic Stop Occlusive
ʁ 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 Continuant
β Bilabial Voiced Pulmonic Fricative Obstruent Continuant	ʃ Palatal Voiced Pulmonic Stop Occlusive
c Palatal Pulmonic Stop Occlusive	ɛ̃ Open-mid Near-Front Nasal Vowel
ɔː Open-mid Back Rounded Vowel Long Vowel Continuant	ũ Open Back Nasal Vowel
ɭ Retroflex Vowel Voiced Pulmonic Approximant	ç Palatal Pulmonic Fricative Obstruent Continuant
ɭ Rhotic Liquid	ʝ Palatal Nasal Approximant
ɑː Open Back Long Vowel	a Mid Front Vowel Diphthong
œ̃ Open-mid Near-Front Rounded Nasal Vowel Diphthong	

Appendix 5 - Segment Groups

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

ẽ	θ	β	tʃ
1EBD Close Back Nasal Vowel	03B8 Dental Pulmonic Fricative Obstruent Continuant	03B2 Bilabial Voiced Pulmonic Fricative Obstruent Continuant	02A7 Palato-Alveolar Pulmonic Sibilant Affricate
ts	dʒ	j	ʒ
02A6 Alveolar Pulmonic Sibilant Affricate Occlusive Strident	02A4 Palato-Alveolar Voiced Sibilant Affricate	029D Palatal Voiced Pulmonic Fricative Obstruent Continuant	0292 Post-Alveolar Voiced Pulmonic Sibilant Fricative Strident Obstruent Continuant
ʎ	ʊ	ʃ	ʁ
028E Palatal Vocoid Voiced Pulmonic Lateral Approximant Rhotic Liquid	028A Near-close Near-Back Rounded Vowel	0283 Post-Alveolar Pulmonic Sibilant Fricative Strident Obstruent Continuant	0281 Uvular Voiced Pulmonic Fricative Rhotic Strident Obstruent Continuant Liquid
ʀ	ɾ	ɻ	ɲ
0280 Uvular Pulmonic Trill Rhotic Vibrant Liquid	027E Alveolar Voiced Pulmonic Tap/Flap Rhotic Vibrant Liquid	027B Retroflex Vocoid Voiced Pulmonic Approximant Rhotic Liquid	0272 Palatal Voiced Pulmonic Nasal Occlusive
ɭ	ɪ	ɨ	ɥ
026B Alveolar Voiced Velarized Pulmonic Lateral Approximant	026A Near-close Near-Front Vowel	0268 Close Central Vowel	0265 Labial-Palatal Vocoid Semivowel Voiced Approximant Continuant

Appendix 7 - International Phonetic Alphabet

<p>ʏ</p>	<p>ɟ</p>	<p>ɸ</p>	<p>ɛ</p>
<p>0263</p> <p>Velar Voiced Pulmonic Fricative Obstruent Continuant</p>	<p>0261</p> <p>Velar Voiced Pulmonic Stop Occlusive</p>	<p>025F</p> <p>Palatal Voiced Pulmonic Stop Occlusive</p>	<p>025B</p> <p>Open-mid Near-Front Vocoid Vowel Continuant</p>
<p>ə</p>	<p>ɔ</p>	<p>ɑ</p>	<p>ɐ</p>
<p>0259</p> <p>Close-mid Central Vowel</p>	<p>0254</p> <p>Open-mid Back Rounded Vocoid Vowel Continuant</p>	<p>0251</p> <p>Open Back Vocoid Vowel Continuant</p>	<p>0250</p> <p>Near-open Central Rounded Vowel</p>
<p>ũ</p>	<p>œ</p>	<p>ŋ</p>	<p>ĩ</p>
<p>0169</p> <p>Open Back Nasal Vowel</p>	<p>0153</p> <p>Open-mid Near-Front Rounded Vocoid Vowel Continuant</p>	<p>014B</p> <p>Velar Voiced Pulmonic Nasal Occlusive</p>	<p>0129</p> <p>Close Front Nasal Vowel</p>
<p>ø</p>	<p>õ</p>	<p>ð</p>	<p>ç</p>
<p>00F8</p> <p>Close-mid Front Rounded Vocoid Vowel Continuant</p>	<p>00F5</p> <p>Close-mid Back Rounded Nasal Vowel</p>	<p>00F0</p> <p>Dental Voiced Pulmonic Fricative Obstruent Continuant</p>	<p>00E7</p> <p>Palatal Pulmonic Fricative Obstruent Continuant</p>
<p>ʒ</p>	<p>y</p>	<p>x</p>	<p>w</p>
<p>007A</p> <p>Alveolar Voiced Pulmonic Sibilant Fricative Strident Obstruent Continuant</p>	<p>0079</p> <p>Close Front Rounded Vocoid Vowel Continuant</p>	<p>0078</p> <p>Velar Pulmonic Fricative Obstruent Continuant</p>	<p>0077</p> <p>Labial-Velar Vocoid Semivowel Voiced Approximant Continuant</p>

Appendix 7 - International Phonetic Alphabet

v	u	t	s
0076 Labio-Dental Voiced Pulmonic Fricative Strident Obstruent Continuant	0075 Close Back Rounded Vocoid Vowel Continuant	0074 Alveolar Pulmonic Stop Occlusive	0073 Alveolar Pulmonic Sibilant Fricative Strident Obstruent Continuant
r	p	o	n
0072 Alveolar Voiced Pulmonic Trill Rhotic Vibrant Liquid	0070 Bilabial Pulmonic Stop Occlusive	006F Close-mid Back Rounded Vocoid Vowel Continuant	006E Alveolar Voiced Pulmonic Nasal Occlusive
m	l	k	j
006D Bilabial Voiced Pulmonic Nasal Occlusive	006C Alveolar Vocoid Voiced Pulmonic Lateral Approximant Rhotic Liquid	006B Velar Pulmonic Stop Occlusive	006A Palatal Vocoid Semivowel Voiced Pulmonic Approximant Continuant
i	h	g	f
0069 Close Front Vocoid Vowel Continuant	0068 Glottal Pulmonic Fricative	0067 Velar Voiced Pulmonic Stop Occlusive	0066 Labio-Dental Pulmonic Fricative Strident Obstruent Continuant
e	d	c	b
0065 Close-mid Front Vocoid Vowel Continuant	0064 Alveolar Voiced Pulmonic Stop Occlusive	0063 Palatal Pulmonic Stop Occlusive	0062 Bilabial Voiced Pulmonic Stop Occlusive

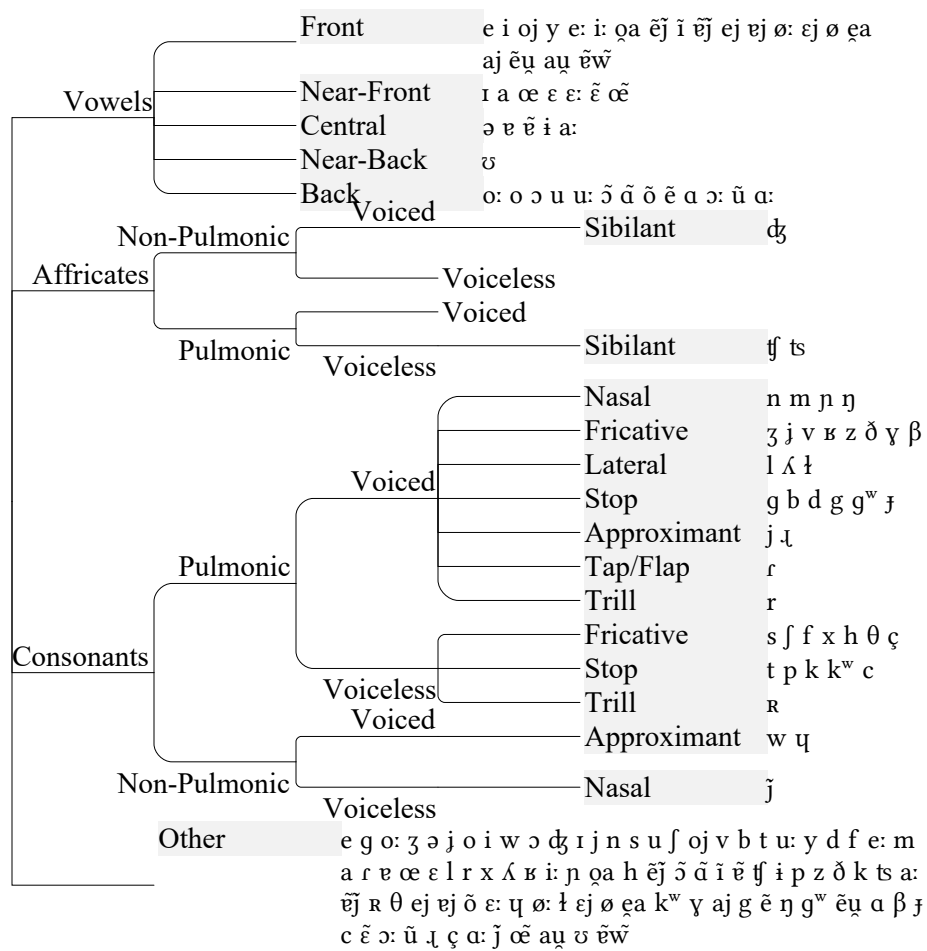
Appendix 7 - International Phonetic Alphabet

a	g ^w	ẽ	ɛː
0061 Open Near-Front Vocoid Vowel Continuant	0261, 02B7 Labial-Velar Voiced Pulmonic Stop Occlusive	025B, 0303 Open-mid Near-Front Nasal Vowel	025B, 02D0 Open-mid Near-Front Vocoid Long Vowel Continuant
ɛj	õ	ɔː	ã
025B, 006A Mid Front Vowel Diphthong	0254, 0303 Open-mid Back Rounded Nasal Vowel	0254, 02D0 Open-mid Back Rounded Vocoid Long Vowel Continuant	0251, 0303 Near-close Back Nasal Vowel
ɑː	ẽ	aj	œẽ
0251, 02D0 Open Back Long Vowel	0250, 0303 Near-open Central Rounded Nasal Vowel	0250, 006A Mid Front Vowel Diphthong	0153, 0303 Open-mid Near-Front Rounded Nasal Vowel Diphthong
øː	uː	oː	oj
00F8, 02D0 Open Front Rounded Vocoid Long Vowel	0075, 02D0 Close Back Rounded Long Vowel	006F, 02D0 Mid Back Rounded Vocoid Long Vowel Continuant	006F, 006A Mid Front Vowel Diphthong
k ^w	ĩ	iː	eː
006B, 02B7 Labial-Velar Pulmonic Stop Occlusive	006A, 0303 Palatal Nasal Approximant	0069, 02D0 Close Front Vocoid Long Vowel Continuant	0065, 02D0 Mid Front Vocoid Long Vowel Continuant

Appendix 7 - International Phonetic Alphabet

ej	aː	aj	ẽu̯
0065, 006A Mid Front Vowel Diphthong	0061, 02D0 Open Central Vowoid Long Vowel Continuant	0061, 006A Mid Front Vowel Diphthong	1EBD, 0075, 032F Mid Front Nasal Vowel Diphthong
ẽj̃	o̯a	e̯a	a̯u̯
1EBD, 006A, 0303 Mid Front Nasal Vowel Diphthong	006F, 032F, 0061 Mid Front Vowel Diphthong	0065, 032F, 0061 Mid Front Vowel Diphthong	0061, 0075, 032F Mid Front Vowel Diphthong
ẽw̃	ẽj̃		
0250, 0303, 0077, 0303 Mid Front Nasal Vowel Diphthong	0250, 0303, 006A, 0303 Mid Front Nasal Vowel Diphthong		

Appendix 8 - Feature Tree

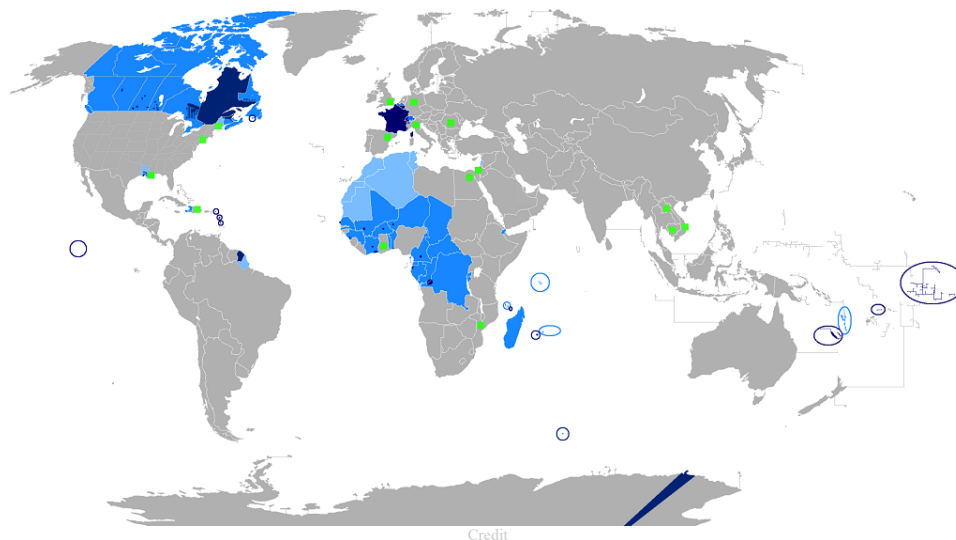


Appendix 9 - Diacritics

Diacritics

Error	Undefined escape character	~	Nasalized	˙	Centralized
+	Advanced	-	Retracted	ˆ	RisingTone
◌	Voiceless	Error	Implosive	◌̩	Syllabic
◌̥	Ejective	◌̠	Pharyngealized	◌̂	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
ˈ	High tone	ˊ	High rising tone	◌̨	Aspirated
j	Palatalized	˜	Creaky voiced	˘	Low tone
l	Lateral release	-	Mid tone	◌̩	Laminal
ˠ	Linguo-Labial	n	Nasal release	◌̪	More rounded
ˡ	Lowered	◌̫	Retracted tongue root	↗	Global rise
ˢ	Rising falling tone	◌̬	Raised	˝	Extra high tone
ˣ	Breathy voiced	◌̭	Voiced	w	Labialized
◌̥	Extra short	˥	Mid-centralized	↓	Down-step
↑	Up-step	˦	Long	˙	Half-long
Error	Indeterminacy in french vowels	Error	Begin Non-segmental notation		End non-segmental notation
◌̥	Voiced epiglottal fricative	!	Post-alveolar click		Minor group
	Dental click		Major group		Alveolar lateral click
‡	Palatal click	◌̥	Voiceless descender	-	Combining macron
◌̥	Tie-bar below	◌̥	Tie-bar above	‡	Ready made combination
→	Becomes		Separator		

French

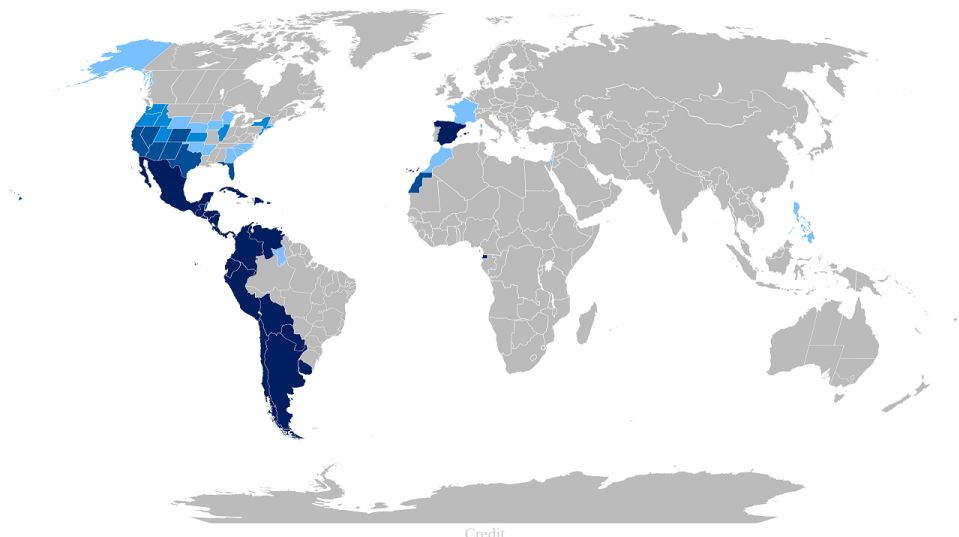


A Romance language of the Indo-European family. It descended from the Vulgar Latin of the Roman Empire, as did all Romance languages. French evolved from Gallo-Romance, the Latin spoken in Gaul, and more specifically in Northern Gaul. Its closest relatives are the other langues d'oïl—languages historically spoken in northern France and in southern Belgium, which French (Francien) largely supplanted.

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.

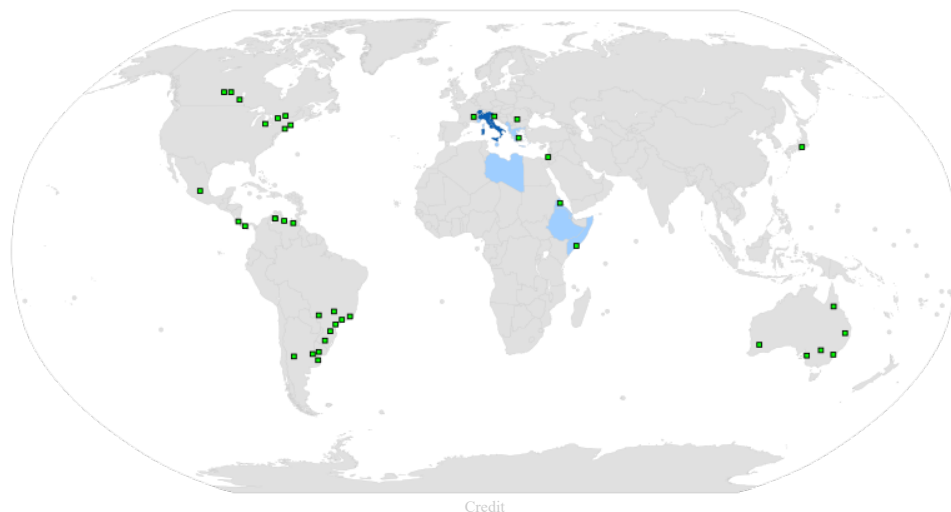
French is an official language in 29 countries across multiple continents, most of which are members of the Organisation internationale de la Francophonie (OIF), the community of 84 countries which share the official use or teaching of French. French is also one of six official languages used in the United Nations. It is spoken as a first language (in descending order of the number of speakers) in France; the Democratic Republic of Congo; Algeria; Morocco; Canada (provinces of Quebec, Ontario and New Brunswick as well as other Francophone regions); Cameroon; Belgium (Wallonia and the Brussels-Capital Region); Ivory Coast; Tunisia; western Switzerland (Romandy—all or part of the cantons of Bern, Fribourg, Geneva, Jura, Neuchâtel, Vaud, Valais); Monaco; parts of Luxembourg; parts of the United States (the states of Louisiana, Maine, New Hampshire and Vermont); northwestern Italy (autonomous region of Aosta Valley); and various communities elsewhere.

Spanish



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

Italian



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

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

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

Appendix 10 - Languages

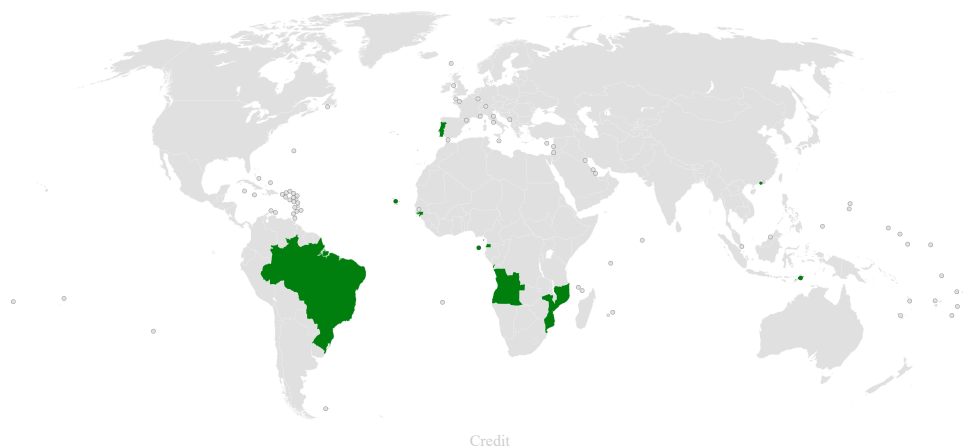
languages covered by the European Charter for Regional or Minority languages in Bosnia and Herzegovina and in Romania, although Italian is neither a co-official nor a protected language in these countries. Many speakers of Italian are native bilinguals of both Italian (either in its standard form or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

Brazilian Portuguese



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

Portuguese



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

Appendix 10 - Languages

Catalan



Credit

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

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

Walloon



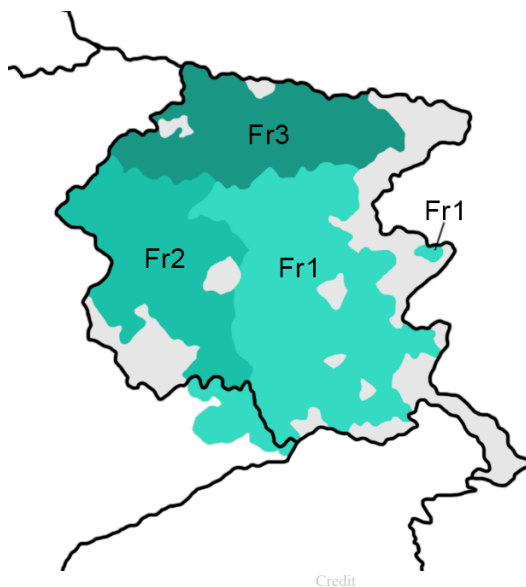
Credit

Appendix 10 - Languages

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

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

Friulian



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

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

Romanian



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

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