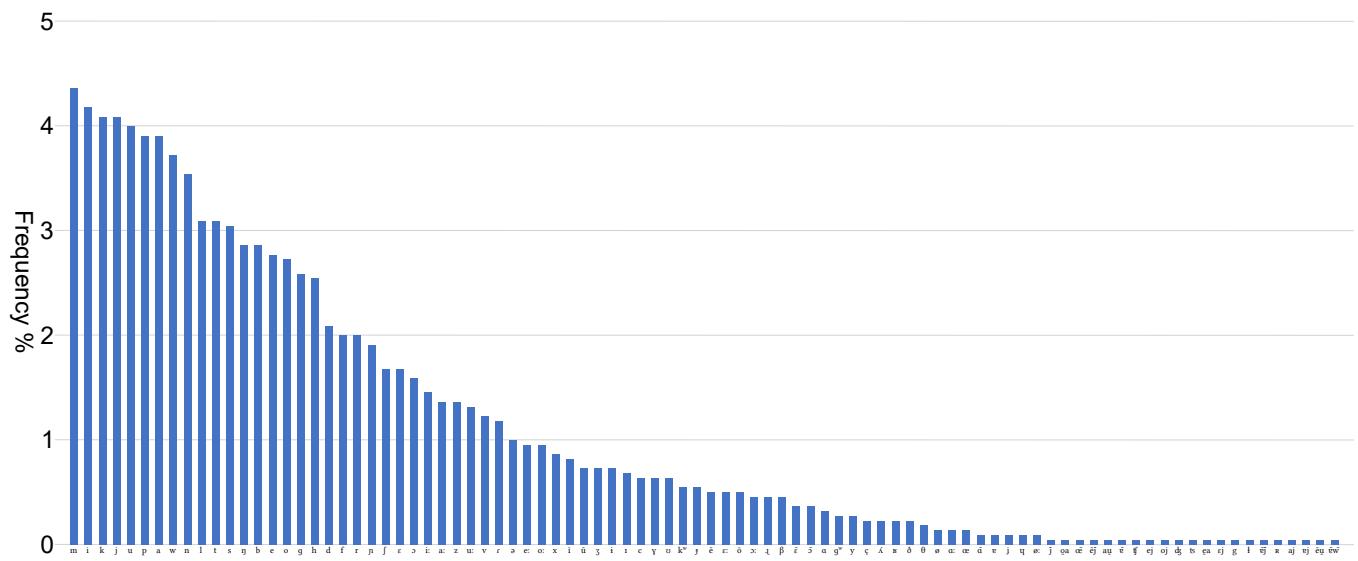


Appendix 1 - Prior Segment Frequencies



Appendix 2 - Symbols

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

Appendix 2 - Symbols

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

Appendix 3 - Segments used in the word list

Char.	Segment	Words containing this segment
0	e	<p>ego:, ew, jew, usted, vose, vose, voste, embra, femmina, femex, femje, fembra, femeje, mulierem, muxer, moλλe, muλex, muλer, muλe, mujere, done, hominem, ombre, infantem, infante, fante, nenēj, nen, epuz, esposa, mulier, muxer, moλλe, muλex, muλer, muλe, mujere, epu, esposo, matrem, mex, madre, madre, mex, patre, pex, padre, padre, nema:l, noma:je, piskem, peθ, peffe, pef, pefte, awem, abe, awikellum, useλ, passerem, passero, pasare, peduklus, pedoli, padukje, serpentem, sekpā, serpjente, serpente, sekpēfi, sarpen, farpe, serpens, sjerpe, serpe, serp, farpe, wermem, vex, berme, verme, vemi, vermi, vjerme, arborem, albero, arbore, selba, selva, selve, flo:rem, fjo:re, floare, ne, narije, el, ale, solem, sole, sqare, soreli, lune, etwal, estreja, stella, istrelē, iftrele, stele, age, ploje, ploaje, flumen, fjume, xivje, mare, mex, salem, sale, se, sare, terra, tek, tjera, teke, tjere, ka:li:ginem, kalidzine, nebula, njebla, nebbja, newla, negura, tene:braj, tenebre, tene:bras, teneb, tinjeblas, tenebre, tenebras, fyme, fumate, θjelo, fjer, wentum, bjento, ben, gelu:, jelo, dger, fwego, no:men, no:me, nume, no:minem, nombre, lengwa, bibere, beber, bere, bebez, biβer, bevi, komedere, komer, kome, kumer, manduka:re, mōze, mandgare, mordre, morder, mordre, mōder, mōder, murder, morsikare, morsikare, murseka, su:gere, syse, suze, konspuere, kōspy, eskupir, sputere, esputar, sputare, ski:re, sapere, saber, sabex, seber, kogno:skere, konothet, konoffere, kopese, kupiser, kunqafte, ko:gita:re, kuide, kođitare, kuđeta, pe:nsare, pāse, pensar, pensare, pēse, pe:nsa:, time:re, temer, temere, temex, timer, temā, temi, teme, tremere, tremet, tremare, tremex, trimer, dormire, dormire, wi:were, vivere, vive, viver, morire, mōvex, muxer, neka:re, nwaje, neka, anegar, annegare, tpe, tuwe, makta:re, mate, okki:dere, utfidere, utfide, pugna:re, puņjare, battuere, battere, bate, bater, bate, kaptia:re, fase, katfare, pulsa:re, puse, pulsare, sekare, sje, segar, segare, segar, sear, kurta:re, ekskurta:re, eku:te, skortare, talia:re, taje, taλλare, di:widere, dividere, divide, skindere, sēde, findere, findere, ender, fendere, fēdex, fēder, parti:re, partire, separare, sōvke, separar, separare, separax, separa:, separa, pungere, punđere, punđe, jugula:re, zygye, jugula:re, radere, raet, radere, vax, vax, rade, vaze, rasare, fodere, kaware, kavare, çavle, ekskaware, eskabar, skavare, nata:re, nwotare, navigare, naze, nabegar, navigare, wolare, vole, volare, vōle, zvolare, famine, kamminare, fimine, makse, mergere, merđere, merđe, ambita:re, andare, wenire, benir, venire, veni, ekstendere, etādx, ekstender, estendere, istēdex, iftēder, æstendrā, ekstinde, jakere, zezix, jaθer, đatfe:re, zezex, zezet, dger, jesi, sedere, ser, sedere, se, sedga, sedenta:re, sentar, senta:, stare, estar, stare, levare, love, jebar, levare, leva:, altiare, ose, altsare, torna:re, turne, tornare, turne, gyrare, zix, đirare, vix, virare, torkere, torθer, torfe:re, turser, toarf, kadere, kaer, kadere, fjade, tōbe, tume, tene:re, tener, tenere, tek, ter, tsine, segurar, eksprimere, epēdx, ekspremir, spremere, ispreme, ispremer, asprema, esprimi, skreme, serrere, serar, seka, serare, seke, θerar, serrare, sere, appektora:re, apretar, stringere, etēdx, estrepir, strindgere, stringe, strindge, frikare, fēje, fregar, fegare, frea, freka, frikta:re, fōte, frettare, laware, lave, lavare, tergere, terđere, ekstergere, estarsir, fterdge, eksu:ka:re, esqije, enxugar, affugare, suwe, limpida:re, tira:re, tix, tirare, tire, puse, trahere, trarre, traze, trezer, tradge, impingere, impindgere, impindge, jakta:re, zote, efjar, đettare, đete, lankeare, lāse, lanfare, e:runka:re, arrontfare, liga:re, lie, legar, legare, lea:, lega, apta:re, ko:nsuere, koser, kufire, kuzer, qase, komputa:re, kōte, kontare, e:numera:re, enume, enumerar, enumerare, enumera, di:kere, deθir, dire, dizer, zife, ekspo:nere, sporre, spune, kanta:re, fāte, kantare, fāte, lūdere, joka:re, zwe, đokare, đuwe, flu:ktua:re, flyktpe, fluttuare, fluitare, fluitare, fluere, flye, fluire, ko:la:re, kule, kolare, kōle, ekskurrere, eskurir, skorrere, iskoex, iskurer, skurđe, kurrere, korer, korrere, koex, kuex, kurđe, gela:re, zole, elar, đelare, đale, glakia:re, glase, gjatfjare, inglakia:re, ingetsa, bōyle, brutfare, bōule, kremare, kōame, kemar, kremare, kejmare, kejmare, flamma:re, flābe, flamear, fjammar, arde:re, arder, ardere, ađex, vder, arde, flagra:re, flagke, flagrare, inkendere, ēsādj, enθender, infendjare, isendjar, ensendrā, infindze, ustula:re, ustolare, alter, grandem, grande, grande, majjorem, mare, le, grabe, greve, grew, grew, lerdo, pesađo, pesante, pezadu, pezant, pekeno, pekenu, pikenu, brewis, brebe, breve, brew, bref, etkwa, estrefo, stretto, menudo, delyađo, delikato, dewgadu, subtillem, sottile, subsire, dekstrum, djestro, destrā, derefo, drept, ruber, vermikul, bermexo, vermiλλo, vemeu, rubeus, rubeo, ruđe, wiridem, vex, berde, verde, verdi, verde, due, tres, tre, tref, kwi:nkwe, finkwe, ekkumhi:k, k'em, kjen, fine, ke, fe, kome, femu:t, nek, ne, et, e</p>

Appendix 3 - Segments used in the word list

1	g	ego:, agwə, lago, lagu, ka:li:ginem, negurə, gelu:, fwego, fogu, lāg, lengwa, lingwa, ligwə, musəga, musəgar, sugere, sugax, sugar, kogno:skere, ko:gita:re, nəga, anegar, annegare, segax, pungere, jugula:re, zygylye, nabegar, navigare, nəbəga, naviga, segurar, sigurax, fregar, frəga, iffrigar, tergere, ekstergere, enxugar, affugare, ɛfugar, əfuga, liga:re, legar, legare, zogax, zuga, flugtwar, gela:re, glakia:re, glase, gjattfjare, gləsa, inglakia:re, flagra:re, flagxə, flagrar, flagrare, flagrar, awgū, ałgū, əlgu, gʁā, grande, grande, grēdʒi, grēdi, longum, lungo, lōgu, largo, laxgu, largu, grawis, gʁav, 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, o:b, flo:rem, fjo:re, flo:r, so:lem, no:men, no:me, no:minem, kogno:skere, ko:gitare, ko:nsuere, ekspo:nere, ko:la:re, to:tus, po:k, duo:s, k ^w ando:, k ^w o:modo, no:n
3	ʒ	ʒə, ʒə, pluʒə, kalizēj, kəlizēj, ʒel, ʒel, mǎʒe, mēʒax, mēʒar, mənʒa, kuʒitaʒ, kuʒitar, pūʒix, pūʒir, zygylye, nəʒe, zezix, ʒəzəx, ʒəzer, ʒawrə, ʒixə, ʒirar, ʒira, əstriʒir, əstriʒir, əstərʒi, ʒəte, ʒejtar, ʒwe, zogax, zuʒar, zuga, zuka, ʒəle, ʒilar, ʒəla, inʃindʒe, laxʒ, du:ʒe:, ʒuʒ
4	ə	ʒə, dənə, dɔamənə, ɔmə, əspəʒə, mərit, əspəs, marə, parə, tatə, nəməje, pasəre, pədukje, sərpen, abrə, bokə, bukə, gurə, alə, ʔunə, lunə, əstəl, əjyʒə, apə, pluʒə, tərə, tsarə, newlə, negurə, tənəbrəs, ʃɛaʃə, limbə, bəwərə, mənʒa, musəga, musəgar, musəʒa, əskupi, səβe, kunɛʃə, pənsa, pəsa, temə, biwərə, nəga, mətə, batrə, kəsə, səʒa, təʔa, fəndrə, pərti, səvɛ, səpərə, rawrə, rəza, rəska, kəba, nəda, nəbəga, fəmine, kəmina, vənix, bəni, əstendrə, ʒawrə, zəʃɛa, əsta, ləve, ʔəba, əlsa, tərsə, kawrə, kəɖə, tənix, təni, ifprəməx, ifprəmer, əsprəmə, sərar, səra, əstriʒir, əstriʒir, əstreɲə, frəga, frəsə, əstərʒi, əfuga, trəwərə, əmpɛɲə, ʒəte, ʔənsə, kəntə, əskorə, korə, ʒəle, ʒəla, gləsa, krəma, ənsendrə, əlgu, altrə, amplə, pəʒā, pəʒat, pəti, pətit, əstret, məny, mənut, mərunt, dəlikat, destrə, bərmɛʔ, dowə, kwatrə, əʔa
5	j	jə, estreja, jubja, jelo, jaθer, jebar, aja
6	o	jə, io, jo, nos, no, bos, vof, vos, vose, voste, moʔʔe, domina, doɲa, donə, hominem, ombre, omēj, om, homo:, wəmo, nipo, nino, sponsa, esposa, ispoza, ifpozə, moʔʔe, mariðo, marito, sponsus, esposo, spoʒo, ispoʒu, ifpoʒu, sokius, səʃo, sots, omaj, wazo, utʃello, paxaro, passero, pjoxo, pidəkkjo, pioʔu, poʔ, pedoli, arborem, arβol, albero, aɁvori, arbore, palo, fruto, frutto, flor, flox, naso, na:so, boka, bokka, bokə, bokə, sol, sole, solikulus, soreli, o, pjodɖa, ploje, rio, lago, lago, θjelo, ʃɛlo, bjento, vento, jelo, ɖɛlo, umo, fumo, fokum, fwego, fwəko, fogu, foɣu, fok, apə, anno, nomi, nomi, nombre, komedere, komer, kome, morde:re, moɁɁ, morðer, moɁɁ, morsikare, moskar, morsikare, konspuere, kogno:skere, konəθer, konəffere, kəpəsəx, kəpəsi, koɖitare, dormire, dormir, dormire, doɁmiɁ, dormi, morir, morire, moɁəx, okki:dere, kortar, koɁtaʒ, skortare, kosaɭ, fodere, nwoʔare, wolare, vole, bolar, volare, voax, zvolare, zvola:, ose, torna:re, tornar, tornare, toɁnaʒ, torna:, toɁk ^w ere, toɁθer, appektorare, fɁote, froʔar, arronʃare, koser, komputa:re, kontar, kontare, konta:, sporre, joka:re, ɖokare, zogax, kolar, kolare, koax, skorrere, ifkoɁəx, əskorə, skori:, korer, korrere, koɁəx, korə, kori, ustolare, omne:s, oɲpi, todo, tutto, todu, toɖu, tot, muʃo, molto, mol, molc, tanto, okə, alguno, alkuno, poko, pəko, powku, otɁ, otro, altro, owtru, maɲo, maɲno, majjorem, longum, longo, lungo, ʔoɲ, larɣo, largo, lato, anʃo, ampjo, lerdo, lordo, pesaɖo, pekeɲo, pitʃino, pikkolo, korto, korto, angosto, angusto, estreʃo, stretto, menudo, minuto, delyaɖo, delikato, sottile, djestro, destro, deretʃo, rubro, roxo, rosso, ɁofɁ, Ɂofu, ros, Ɂofu, bermexo, vermiʔʔo, 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, noi, voi, femina, femmina, femine, mulierem, domina, hominem, infantem, infante, ifēfi, nipo, nino, ispoza, mulier, mavi, mariđo, marito, maridu, meriđu, marit, mērit, ispozu, sokius, mari, pari, animalia, alimapa, be:stia, biffa, bife, bis, piskem, pejfi, avi, awikellum, pidakkjo, piođu, pedoli, seǵpēfi, sarpint, veǵmi, aǵvori, silwa, fǵqi, nariθ, nariſe, naris, neriſ, solikulus, soreli, istrele, pluwia, plqi, flumi, rio, ǵiw, ǵiu, riw, ri:pa:ria, ǵivjeǵ, rivi:ǵ, ka:li:ginem, kalina, kaliđzine, kalizēj, kēlizēj, tinjeblas, kajkia, vint, nomi, no:minem, ling ^w a, lingwa, limbə, bibere, bevi, mwardi, morsika:re, morsikare, kusiǵ, kufpir, eskupir, əskupi, fti, kinəh, koposi, ko:gita:re, kuide, kwidar, kođitare, kuzitaǵ, kuzitar, timere, temi, trima: dǵmiǵ, dormir, dormire, dǵmiǵ, durmir, durmi, dwaǵmi, dormi, vivǵ, bibir, vivere, viveǵ, viver, biwrə, vivi, via, muǵiǵ, morir, morire, muri, mōri, muri, tu:ta:ri, əksiǵ, utfider, uksi, utfide, batir, bati, kaptiare, taliare, di:widere, dibidir, dividere, đividiđzǵ, dibidir, dibidi, dividi, divide, skindere, findere, paktiǵ, partir, partire, paǵfiǵ, pētir, pēti, pō:rti, pūzǵ, pūzir, pupi, fwǵ, ifkēvaǵ, ifkēvar, navigare, navigare, naviga, naviga, fəmine, kaminar, kamminare, kēmiǵaǵ, kēmiǵar, kəmina, fimine, camina: ambita:re, vəniǵ, benir, venire, viǵ, vir, bəni, vini, vipi: veni, istēdeǵ, iftēder, ekstinde, zezǵ, jesi, altiare, zǵe, xirar, đirare, zirar, zira, đira: viǵe, birar, virare, virar, bira, kēir, tənǵ, tēni, tini, tinji, tsine, eksprimere, ekspremir, ifprəmeǵ, ifprəmer, esprimi, stringere, estrenir, strindǵere, əftriđir, əftriđir, stringe, frika:re, frikta:re, frisar, estarsir, əstərzi, esqije, limpidare, limpiar, tira:re, tiǵe, tirar, tirare, fira, tira, tire, tira: impingere, impindǵere, impindǵe, xita, ligare, lie, liya, kuǵire, kuzi, kuzi, diǵ, deθir, dire, dizer, di, ziſe, ludir, fluitare, fluitare, fluir, fluire, flwiǵ, flwir, flui, eskurir, ifkōkē, ifkurer, kuǵiǵ, kori, glakia:re, inglakia:re, inkendere, inſendjare, inſindze, oǵpi, altri, alius, grēđzi, grawis, gravi, grevi, pittitus, pēti, pētit, piti, pittinus, pitfino, putsin, pitulus, pikkolo, pitful, brewis, brevi, striktus, istrejt, minutus, minuto, miudu, miuđu, minu, minut, de:lika:tus, delikato, dəlikat, sutil, sottile, suǵiw, suptil, suti, subtsire, direjtē, direjtē, vermikul, vermiđu, wiridem, kwatri, θinko, fǵiǵkwe, siǵk, fǵiǵk, fǵinf, isi, aki, kwi, eki, illa:k, ibi, vi, ai, ei, k ^w is, ki, kwi, ffine, k ^w id, ni, i, fi
8	w	ew, jew, wo:s, wəmo, pwasō, awem, aw, awikellum, wazo, wermem, silwa, səwva, paw, səw, etwal, aǵwa, akkwa, agwə, aǵwə, əw, pluwia, ri:wus, ǵiw, riw, riw, saw, nəwwe, newlə, səw, wentum, fwego, fwəko, lengwa, lingwa, ligwə, bwǵ, bēwrə, mwardi, sawwǵ, kwidar, dwaǵmi, wi:were, biwrə, nwaje, tuwe, di:widere, pwēđǵ, rawrə, fwǵ, kaware, ekskaware, nwotare, wolare, vwar, wenire, zawrə, swǵ, fwǵ, kawrə, laware, suwe, tēwrə, zwe, đuwe, flugtwar, flwiǵ, flwir, awgū, powku, owtru, aw, grawis, grew, grew, brewis, brew, etkwa, dewgadu, suǵiw, dkwat, wiridem, dowə, tēwə, k ^w attwor, kwatro, kwattro, kwatru, kwatrə, kwat, kwatri, fǵiǵkwe, kwi, kwi, kwa, kwē, kwando, kwēdu, kwan, kwand, kwant
9	o	zo, nōjs, nōf, vōjs, vōse, dōnna, dōnə, dōne, əm, əmēj, əmə, əm, wəmo, spəza, əspəzo, spəzo, əspəs, səfjo, pidakkjo, flə, bək, bəce, səw, səł, səł, sələ, səlej, njoly, fwəko, fək, nəm, nəj, mōrdere, kōnetǵ, kinəh, dǵmiǵ, mōri, əksiǵ, vōle, təđǵ, tərſere, tərsə, lōji: kōle, tə, pəko, pək, rəs, rəbbjo, rəf, kōmā, kōm, kōmē
10	đ	đzi, pjodđza, kaliđzine, đelo, đer, mandǵare, suđe, kođitare, kuđeta, đividiđzǵ, punđere, punđe, nəđzi: mēđere, mēđe, đafſe:re, đere, đirare, đira: strindǵere, strindǵe, tēđere, fterđe, trađe, impindǵere, impindǵe, đettare, đete, đokare, đuwe, đuja: skurđe, kurđe, đelare, đale, isendǵar, grēđzi, ruđe
11	r	đzi, na:ris, isendǵar
12	j	jo, jew, nōjs, vōjs, femjə, femeje, mujere, mujere, omaj, nəmaje, ufjel, pjoxo, pidakkjo, pju, pədukje, serpjente, sǵepē, sjerpe, vjer, vjer, vjerme, frujt, fjo:re, jubja, pjodđza, ploje, pləaje, fjume, ǵivjeǵ, tjera, tjere, njoly, njebla, nebbja, tinjeblas, sjel, θjelo, bjento, skuja, kujda, sje, taje, teji: taja: taja, jugula:re, jugula:re, jake:re, jesi, fjade, tinji, esqije, suja: limpiar, jakta:re, lōji: jokare, đuja: gǵatfjare, fjammar, əsəđje, inſendjare, isēđjar, majjorem, ampjo, djestro, rubjo, rəbbjo, kjen

Appendix 3 - Segments used in the word list

13	n	no:s, nu, nos, no:i, nojs, nof, no, no:, noj, fe:mina, femmina, femine, domina, dōnna, done, dōnə, dōne, dōamnə, hominem, infantem, infante, fante, nijo, nino, nenēj, nen, sponsa, sponsus, animalia, nema:l, nāmaje, serpentem, serpente, sərpen, sarpint, serpens, na:sus, ne, naso, na:so, nas, na:s, nas, nariθ, nariŋe, naris, nərif, naris, lu:na, lyn, luna, ʎuna, lōn, lune, lunə, flu:men, ka:li:ginem, kalina, kalidžine, nebula, njoly, njebla, nebbja, nēvwə, newlə, negurə, tene:braj, tē:nebre, tene:bra:s, tenəbʁ, tinjeblas, tē:nebre, tənebrəs, wentum, bjento, vento, ben, vint, vint, annum, anno, ʁnu, an, no:men, nō, no:me, nomi, nomi, nōm, nō, nōj, nume, no:minem, nombre, lingʷa, lingwa, lēnge, manduka:re, mandukar, mančare, minka, konspuere, kogno:skere, kōnetʁ, konoθer, konoffere, kunəfə, kinəh, kunqaste, pe:nsa:re, pensar, pensare, pənsa, neka:re, nwaje, nəga, neka, anegar, annegare, pugna:re, skindere, findere, findere, ender, fendere, fēndrə, pungere, punčgere, punčge, natare, nadar, nwotare, nadaʁ, nəðar, nāda, nada:, navigare, naze, nabegar, navigare, naviyax, nēviyar, nəbəga, nədži, naviga:, naviga, fəmine, kaminar, kamminare, kəmina, ʃimine, camina:, andar, andare, wenire, vənix, benir, venire, bəni, vini, veni, ekstendere, ekstender, estendere, əstendrə, ekstinde, sedenta:re, sentar, senta:, torna:re, tūrne, tornar, tornare, toʁnax, turnar, turna, tūrne, torna:, turna, tene:re, tənix, tener, tenere, tənī, tini, tinji, tsine, stringere, strindgere, stringe, strengi:, strindge, enxugar, impingere, impindgere, impindge, lankea:re, lanθar, lanŋare, ʎənsa, lanci:, lanŋa:, ɛ:runka:re, arankar, arronŋare, ko:nsuere, kontar, kontare, konta:, ɛ:numera:re, enumeʁe, enumerar, enumerare, enumera, numara, ekspōnere, spune, kanta:re, kantar, kantare, kənta, canta:, kinta, inglakiare, ingetsa, inkendere, enθender, inŋendjare, isendžiar, ənsendrə, inŋindze, omne:s, tantus, tanto, tant, tanc, alguno, alkuno, magnum, grandem, grande, grande, gran, grant, longum, longo, lungo, lunk, lung, anŋo, pe:sant, pesante, pezant, pittinus, pitfino, pekenu, pikenu, putsin, angustus, angosto, angusto, minu:tus, mənny, menudo, minuto, mənut, minu, minu:t, mərunt, u:num, uno, un, unu, kʷi:nkʷe, θinko, ʃinŋ, kjen, ʃine, kʷando:, kwando, kwan, kwand, kwant, kind, no:n, nō, no, non, nəw, nu, nek, ni, ne, nəj, nəj, nə no:s, nos, nojs, wo:s, bos, vojs, bus, vos, usted, vose, vose, veste, sponsa, esposa, spōza, ispoza, əspōzə, maritus, sponsus, esposo, spōzo, ispozu, əspōs, spo:s, sokius, sōŋo, sots, be:stia, bis, piskem, pes, pwasō, useʎ, passerem, passero, pasəru, pasare, peduklus, serpentem, sərpd, serpente, serpente, sərpdəŋi, sirpēti, sərpen, sjərpē, sarpint, serpens, sjerpe, sərpe, serp, silwa, selba, selva, səwva, səlvə, səlve, pa:lus, fru:ktus, na:sus, naso, na:so, nas, na:s, nas, naris, na:rīs, so:lem, sol, sole, sōw, sōl, sol, solə, sɔare, solikulus, sōlej, soreli, stella, estreja, stella, istrelə, əstəl, stō:l, stēle, stēa, ri:wus, sa:lem, səl, sal, sale, saw, se, sa:l, sare, tene:bra:s, tinjeblas, tənebrəs, fumasə, sjel, səw, səl, si:ʁ, fu:mus, morsika:re, moskar, morsikare, musəga, musəgar, musəya, murseka, su:gere, syse, sugax, sugar, sysi:, sučge, konspuere, kōspyē, kuspix, eskupir, əskupi, skujsa, sputere, esputar, sputare, spuda:, ski:re, sapere, savwaʁ, saber, sabəʁ, səber, səβe, savə:ʁ, save:, kogno:skere, kopeseʁ, kupiser, koposi, pe:nsa:re, pūse, pensar, pensare, pēsax, pēsar, pənsa, pēse, peŋsa:, pəsa, əksiʁ, uksi, fase, kasax, kəsar, kəsa, ʃesi:, pulsa:re, puse, pulsare, pulsa:, pulsa, seka:re, sje, segar, segare, segax, siyar, səya, sea:, ekskurtare, skortare, skurta:, skurta, skindere, sēde, se:para:re, səvə, separar, separare, separax, sipərar, səpəra, separa:, separa, rasar, rasare, rasa:, raskar, rəska, kosaɫ, kusar, ekskaware, eskabar, skavare, ekstendere, ekstender, estendere, istēdeʁ, əstendrə, ekstinde, jesi, sedere, swax, ser, sedere, sək, sedenta:re, sentar, sētar, senta:, sta:re, estar, stare, əsta, ɛs, sta:, sta, ose, ałsa, ałsar, əlsa, hō:si:, turser, tōrsə, segurar, sigurax, siyurar, eksprimere, ekspremir, sprēmere, əspremə, esprimi, skreme, serrere, serar, səʁa, sərar, səra, serare, səʁe, serrare, siʁar, səre, stringere, estrepir, strindgere, əstrəpə, stringe, strengi:, strindge, frisar, frəsa, ekstergere, estarsir, əstərzi, eksu:ka:re, esqije, suwe, suja:, uska, puse, pu:si:, pulsa:, lāse, lēsa, lēsar, ʎənsa, ko:nsuere, koser, qəase, ekspōnere, sporre, spune, ekskurrere, eskurir, skorrere, əskorə, skori:, skurčge, glase, gləsa, ēsədje, isendžiar, isēdjar, ənsendrə, ustula:re, ustolare, ustura, omne:s, to:tus, multus, paʁkus, alius, grawis, lurdus, pe:sant, pesađo, pesante, pittitus, pittinus, pitulus, kurtus, brewis, angustus, angosto, angusto, ingust, striktus, estreŋfo, stretto, istrejtə, əstret, stə:ʁ, stret, strimt, minu:tus, de:lika:tus, subti:lem, sutil, sottile, suŋiw, suptil, suti, suti:l, subtsire, dekstrum, djestro, destro, destrə, destrə, di:re:ktus, destra, russus, rosso, ros, rəs, vermikulus, rubeus, duo:s, dos, dojs, duas, duəs, tre:s, tres, tres, sək, siku, siŋk, isi, kʷis, si:k
14	s	

Appendix 3 - Segments used in the word list

15	u	nu, vu, bus, tu, usted, mulierem, muxer, мулех, мулех, мулех, мулех, muir, mujere, epuz, mulier, muxer, мулех, мулех, мулех, muir, mujere, maritus, maridu, meridu, sponsus, epu, ispozu, ifpozu, sokius, awikellum, utffello, useł, utffel, paseru, peduklus, pu, piołu, pju, pädukje, arvuri, arbul, pałus, fruktus, fruto, frutto, frute, frujt, frut, frukt, nasus, bukka, buf, bukə, gula, gurə, solikulus, luna, lue, lunə, lune, lunə, pluwia, jubja, juve, pluzə, fjume, flumi, flumi, flum, ri:wus, xiu, lakum, lagu, layu, nebula, negurə, fumata, fuma:ta, fumasə, fumate, kajlum, wentum, vētu, fu:mus, umo, fumo, fumu, fum, fokum, fogu, foju, annum, enu, nume, kumer, manduka:re, mandukar, murder, musəga, musəgar, musəya, murseka, sugax, sugar, cucar, suđe, konspuere, kuspix, kufpir, eskupir, əskupi, skujpa, sputere, esputar, sputare, spudar, kupiser, kunefə, kunqaste, kuzitax, kuzitar, kujda, kuđeta, durmir, durmi, durmi, muxix, muker, muri, muri, muri, tuwe, utffidere, uksi, utffide, pugnare, pupar, puppare, pupa, battuere, pulsare, puse, puxar, pulsare, pufax, pufar, pulsar, pulsa, kurta:re, kurtar, ekskurta:re, ekuxte, skurta, skurta, pungere, punđere, pupi, punđe, jugula:re, jugula:re, kusar, bula, zbura, lua, tuxne, turnar, turna, turna, turser, tumber, tumba, tume, segurar, sigurax, siyurar, enxugar, affugare, efugar, efuyar, əfuga, suwe, sujar, uska, puse, pulsa, e:runka:re, arunja, konsuere, kudx, kufire, kuzer, kuzi, kuzi, komputa:re, kumta, e:numera:re, enumere, enumerar, enumerare, enumera, numara, spune, ludir, xugar, zuyar, zuga, đuwe, đujar, zuka, fluktuare, flugtwar, fluttuare, flutuax, flutuar, fluktua, fluctua, fluita:re, fluitare, fluere, fluir, fluire, flui, kule, kuar, kuła, ekskurrere, eskurir, ifkurer, skurđe, kurrere, kuxix, kuver, kurđe, brufare, bruza: ustula:re, ustolare, ustura, to:tus, tu, tutto, todū, tođū, dut, multus, mu, muffo, mūjtu, mult, tantus, tētu, tētu, alguno, alkuno, əlgu, paɣkus, powku, owtru, alius, magnum, longum, lungo, lōgu, lunk, lung, largum, laxgu, largu, latum, latu, amplum, ɛfu, lurdus, lux, pezadu, pizađu, pittitus, pittinus, pekenu, pikenu, putsin, pitulus, piɣul, kurtus, kux, kuxtu, kurtu, kurt, kurt, angustus, angusto, ingust, striktus, istrejtu, iftrejtu, minu:tus, menudo, minuto, miudu, miuđu, mənut, minu, mərunt, de:lika:tus, dewgadu, deɣađu, subtil:lem, sutil, sufɣiw, suptil, suti:l, subsire, dekstrum, destru, deſtru, di:re:ktus, ruber, rubro, russus, xū, xofu, rofu, vermikulus, vεkmełu, virmejłu, rubeus, xuz, rubjo, rubeo, ruđe, u:num, uno, un, uɣ, unu, duo:s, duaj, due, duas, duəs, duɛf, kwatru, patru, siku, ekkumhi:k, kwēdu, komu, kum, nu
16	f	noɣ, vof, ifpozə, ifpozu, biffa, bife, peffe, pejfi, pejfi, pef, peſte, farpe, farpe, neriɣ, buf, iftrele, juve, treveɣ, kufpir, fti, konoffere, kunefə, kunqaste, fase, pufax, pufar, findere, xaxkax, xɛskar, ifkεvax, ifkεvar, fəmine, maxfe, iftēder, fedə, iftar, altfa: fwaɣ, ifprəmek, ifprəmer, əſtriɣir, əſtriɣir, iffriɣar, iffriɣar, fterđe, affugare, efugar, efuyar, əfuga, fāte, ifkoɣek, ifkurer, ɛfu, iftrejtu, deſtru, xofə, xofu, rofu, dojɣ, duɛf, tref, fi
17	oj	noj, voj, froj, rojb, dojs, dojɣ, doj
18	v	vu, vo:i, vɔjs, vof, vos, vo: voj, vose, vɔse, veste, avi, avi, vεk, verme, vεkmi, vermi, verm, vjer, vjer, vjerme, əkvori, arvuri, selva, səwva, səłve, selve, juve, xivjek, rivi:x, nevwe, treveɣ, vā, vento, vētu, vē, vint, vint, bevi, savwax, savə:r, save: vivx, vivere, vivek, viver, vivi, via, dividere, đividiɣ, dividiɣ, dividi, divide, səvke, kavare, kεvax, kεvar, çəvle, java: skavare, ifkεvax, ifkεvar, zjava: naviga:re, navigare, naviɣax, naviɣar, naviga: naviga, vole, volare, voax, vwar, vɔle, zvolare, zvola: vənix, venire, vix, vir, vini, vini, veni, levare, ləve, levare, levax, livar, leva: vixe, virare, virar, lave, lavare, lεvar, lava: gɣav, grəve, gravi, gravi, grav, grəvi, brəve, brəvi, brəvi, vermikulus, vεkmej, vermiłło, vεkmełu, virmejłu, vεk, verde, verdi, vert, vεk, vert, verde, vi
19	b	bos, bus, embra, fembra, ombre, be:stia, biffa, bife, bis, abe, berme, arborem, axbɣ, albero, abrə, o:b, arbul, arbore, selba, bukka, buf, boka, bokka, boke, bokə, bɔk, bɔce, bukə, jubja, nebula, njebla, nebbja, tene:braj, tenebre, tene:bra:s, tenəbɣ, tinjeblas, tenebre, tenebrəs, bjento, ben, nombre, limbə, bibere, bwax, beber, bere, bebek, biɣer, bewrə, bə:x, bevi, bəa, saber, sabek, səber, bibir, biwrə, battuere, batx, batir, battere, batek, bəter, batrə, bate, bati, dibidir, dibidi, kabar, kəba, eskabar, nabegar, nəbəga, bolar, bula, zbura, ambita:re, benir, bəni, jebar, ləba, birar, bira, tōbe, tumber, tōbax, tōbar, tumba, bɣyle, brufare, bɣule, bruza: flābe, grabe, brewis, bɣef, brebe, brəve, brəvi, brəvi, brew, bɣef, subtil:lem, subsire, ruber, rubro, bermexo, bərməł, rubeus, rubjo, rəbbjo, rubeo, rojb, berde, ibi:

Appendix 3 - Segments used in the word list

20	t	tu, ty, tu, usted, voste, infantem, infante, fante, ifēti, mari:tus, marito, marit, mari:t, mērit, matrem, patre, tata, tatə, be:stia, pe:ste, utfello, serpentem, serpente, serpente, sirpēti, sarpint, fruktus, fruto, frutto, frutə, frujt, frut, frukt, stella, etwal, estreja, stella, istrelə, iftrele, əstəl, stə:l, stele, stęa, la:t, terra, tēx, tjera, tērra, tēxə, tēxə, tērə, tē:x, tjere, tene:braj, tē:nebre, tene:bras, tenebɤ, tinjeblas, tē:nebre, trēvəf, tēnebrəs, fu:ma:ta, fumata, fumata, fumate, wentum, bjento, vento, vētu, vint, vint, sputere, esputar, sputare, fti, kōnetɤ, kunqafte, kō:gita:re, kođitare, kuzitaɤ, kuzitar, kuđeta, time:re, temer, temere, temex, timer, temə, temi, teme, tremere, trēmer, tremare, tremex, trimer, trima:, tu:ta:ri, tqe, tuwe, makta:re, mate, matar, mataɤ, mētar, mēta, utfidere, battuere, batɤ, batiɤ, battere, bateɤ, bēter, batrə, bate, bati, kaptiare, katfare, kurta:re, kortar, kōvtaɤ, kurtar, ekskurta:re, ekuxte, skortare, skurta:, skurta, ta:lia:re, taje, taxar, tałłare, tałax, tēłar, tēłə, teji:, taja:, tēja, fēt, parti:re, paktiɤ, partir, partir, partir, pərti, pərti, partir, nata:re, nwotare, ambita:re, ekstendere, etādx, ekstender, estendere, istēdex, iftēder, əstendrə, ekstinde, sedenta:re, sentar, sētar, senta:, sta:re, etɤ, estar, stare, iftar, əsta, sta, sta, altia:re, altja:, torna:re, tuɤne, tornar, tornare, toɤnaɤ, turnar, turna, tu:rne, torna:, turna, toɤk ^w :ere, tōɤdx, toɤθer, toɤfjere, turser, tōrsə, toarfe, tōbe, tumbar, tōbaɤ, tōbar, tumba, tume, tene:re, tənix, tener, tenere, tēx, ter, tēni, tini, tinji, appekto:re, apretar, epirtar, stringere, etēdx, estrepiɤ, strindgere, əftrižir, əftrižir, əstreɤ, stringe, strengi:, strindgere, frikta:re, fɤote, frotar, frettare, tergere, terđere, ekstergere, estarsir, əstərzi, fterđe, tira:re, tiɤe, tirar, tirare, tira, tire, tira:, trahere, tɤxə, trarre, traze, trēzer, trēwə, traj, trađe, jaktare, zote, đettare, zejtar, xita, đete, aptare, atar, ętar, komputare, kōte, kontar, kontare, kōtar, kumta, konta:, kanta:re, fāte, kantar, kantare, kētar, kēta, fāte, cantar, kinta, flu:kтуа:re, flyktqe, flugtwar, fluttuare, flutuax, flutuar, fluktua, fluctua, fluitare, fluitare, gjatfjare, ustula:re, ustolare, ustura, to:tus, tu, todo, tutto, todū, todu, tot, tō, dut, multus, molto, mūjtu, mult, tantus, tanto, tētu, tētu, tant, tanc, alter, otɤ, otro, altro, owtru, altrə, ət, altri, alt, grant, la:tum, lato, latu, lat, pesant, pesante, pəzat, pezant, pittitus, pəti, pətit, piti, pittinus, pitfino, pitulus, kurtus, korto, korto, kuɤtu, kurtu, kurt, kurt, angustus, angosto, angusto, ingust, striktus, etɤwa, estrefo, stretto, istrejtə, iftrejtə, əstret, stɤx:, stret, strimt, minu:tus, minuto, manut, minut, mērunut, delikatus, delikato, dēlikat, subtilēm, sutil, sottile, suptil, su:ti, sutil, dekstrum, djestro, dēstro, dēstru, dēftru, destrə, di:rektus, dɤwat, dēstra, di:rejtə, di:rejtə, dret, drət, dret, drept, vert, vert, tres, tɤwa, tres, tre, tref, tref, trə:, tre:, trej, k ^w attwor, katɤ, kwatro, kwattro, kwatru, kwatrə, kwat, kwatri, patru, kwant, fjemut, et
21	u:	tu, u:hē, fruktus, lu:na, plu:x, flumen, fu:ma:ta, gelu:, fu:mus, fu:k, su:gere, tu:ta:ri, tu:rne, eksu:ka:re, pu:si:, lu:dere, flu:kтуа:re, bɤu:le, ku:x, minu:tus, minu:t, du:ze:, su:ti, u:num, fjemut
22	y	ty, fry, lyn, ɤy, njoly, fyne, syse, sysi:, kōspye, zygye, gyra:re, flyktqe, flye, bɤyle, mēny
23	d	usted, domina, dam, doɤna, dōnna, donə, dōnə, dēm, dōne, dōamnə, maridu, ma:dre, pa:dre, peduklus, pidakkjo, pedoli, pēdukje, pjodđja, komedere, manduka:re, mandukar, mōdere, mōɤdx, mōdere, mōɤdx, mwardi, spuda:, kɤide, kwidar, kujda, kɤēdx, dormi:re, dōɤmiɤ, dormir, dormire, dōɤmiɤ, durmir, durmi, dwaxmi, durmi, dormi, okki:dere, utfidere, ufide, di:widere, dibidiɤ, dividere, dividiɤ, dibidi, dividi, divide, skindere, sēde, findere, findere, fādx, ender, fēdere, fēdex, fēder, fēdrə, pwēdx, radere, radere, rada:, rade, fodere, nadar, nadaɤ, nēda, nada:, andar, andare, ēdaɤ, ēdar, ekstendere, etādx, ekstender, estendere, istēdex, iftēder, əstendrə, ekstinde, sedere, fedea, sedenta:re, tōdx, kadere, kadere, fjadē, kēda, epwēdx, etwēdx, limpida:re, kudɤ, di:kere, diɤ, deθir, dire, dizeɤ, di, di:x, di:, lu:dere, ludir, arde:re, aɤdx, arder, ardere, aɤdex, ərder, arde, inkendere, ēsādje, enθender, infjendjare, isēdjar, ənsendrə, infjindze, todo, todū, dut, grandem, grande, grande, grēdi, lurdus, lerdo, lordo, pezadu, menudo, miudu, de:lika:tus, du:ze:, delyađo, delikato, dewgadu, dēɤađu, dēlikat, dekstrum, djestro, dēstro, dēstru, dēftru, destrə, di:rektus, dɤwat, derefo, dēstra, di:rejtə, di:rejtə, dret, drət, dret, drept, wiridem, berde, verde, verdi, verde, duo:s, dō, dos, dojs, dojf, dō:, doj, duaj, due, dowə, duas, dues, duef, k ^w id, k ^w ando:, kwando, kwēdu, kwand, kind, k ^w o:modo
24	f	femina, fam, femmina, femēv, femjə, fembra, fœm, fēmine, femeje, infantem, āfā, infante, fante, ifēfi, ifēti, efā, fruktus, fɤqi, fruto, frutto, frutə, frujt, fry, frut, frukt, flo:rem, flōx, flor, fjore, flox, flō, flōx, flor, floare, flumen, fjume, flumi, flumi, flum, fu:ma:ta, fyne, fumata, fumata, fumasə, fumate, fu:mus, fumo, fumu, fum, fokum, fə, fwego, fwəko, fogu, foyu, fək, fə:, fu:k, fok, findere, fādx, fēdere, fēdex, fēder, fēdrə, fēt, fodere, fwix, frika:re, fɤeje, fregar, fregar, frəga, froj, frea, freka, iffrigar, iffriyar, frikta:re, fɤote, frotar, frettare, frisar, frəsa, flu:kтуа:re, flyktqe, flugtwar, fluttuare, flutuax, flutuar, fluktua, fluctua, fluitare, fluitare, fluere, flye, fluir, fluire, flwix, flwir, flui, flamma:re, flābe, flamear, fjammare, flāma, flagra:re, flagɤe, flagrar, flagrare, flagɤax, flagrar, bɤef, bɤef

Appendix 3 - Segments used in the word list

25	e:	fe:mina, be:stia, ste:lla, tene:braj, tene:bra:s, morde:re, save:, pe:nsa:re, time:re, se:para:re, jake:re, dʒaʃe:re, sede:re, tork ^w e:re, tene:re, e:runka:re, e:numera:re, arde:re, omne:s, pe:sant, de:lika:tus, du:ze:, di:re:ktus, tre:s, tre:
26	m	femina, fam, embra, femmina, femev, femjv, fembra, fœm, fēmine, femeje, mulierem, muxer, moλλe, muлeв, muлer, muлe, muir, mujere, domina, dam, dœm, dɔamɒ, hominem, ɔm, ombre, omēj, ɔmēj, ɔmə, ɔm, om, homo:, wɔmo, infantem, mulier, muxer, moλλe, muлeв, muлer, muлe, muir, mujere, maritus, maɪi, marido, marito, maridu, mɛridu, marit, mari:t, mɛrit, ma:trem, meв, maðre, ma:dre, mēj, maɾə, meв, mari, animalia, omaj, alimaɲa, nema:l, nɔmaje, piskem, awem, awikellum, passerem, serpentem, wermem, berme, verme, veвmi, vermi, veɪm, vjerme, arborem, flo:rem, so:lem, flu:men, fjume, flumi, flumi, flum, lakum, mare, meв, mar, maв, mar, meв, ma:r, sa:lem, ka:li:ginem, fu:ma:ta, fyne, fumata, fuma:ta, fumasv, fumate, kajlum, wentum, fu:mus, umo, fumo, fumu, fum, fokum, annum, no:men, no:me, nomi, nomi, nɔm, nume, no:minem, nombre, limbə, komedere, komer, kome, kumer, manduka:re, mǎze, mandukaɾ, mandʒare, mēzav, mēzav, mǎzav, mapɪ, maɲja:, minka, morde:re, moвdв, moɾdɛɾ, mɔrdere, moвdɛв, muɾdɛɾ, mwardi, morsika:re, moskar, morsika:re, musəga, musəgar, musəɣa, murseka, time:re, temer, temere, temev, timer, temə, temi, teme, tremere, tremev, tremare, tremev, trimer, trima:, dormi:re, doвmiв, doɾmiɾ, dormire, doвmiв, durmir, durmi, dwaвmi, durmi, dormi, muвiв, moɾiɾ, moɾiɾe, moвɛв, muвɛɾ, muri, moɾi, muri, muri, maktare, mate, mataɾ, mataв, mɛtaɾ, mɛta, maʃa:, fəmine, kaminar, kamminare, kəmiɲav, kəmiɲar, kəmina, ʃimine, camina:, mæʃe, ma:ɾʃi:, mergere, mɛɾdʒere, mɛɾdʒe, ambita:re, tumbav, tumba, tume, eksprimere, ekspremiɾ, spremer, iʃprəmeв, iʃprəmeɾ, əspremə, esprimi, skreme, limpida:re, limpjar, impingere, impindʒere, əmpɛɲə, impindʒe, komputa:re, kumta, e:numera:re, enumeve, enumeraɾ, enumerare, enumera, numara, kremare, kɛame, kemaɾ, kremare, kəjmare, kejmave, krəma, flamma:re, flamear, fjammare, fłama, omne:s, multus, mu, muʃo, molto, mūjtu, mol, molc, mult, magnum, maɲo, maɲɲo, grandem, majjorem, mare, longum, largum, la:tum, amplum, ampjo, amplə, strimt, minutus, məny, menudo, minuto, miudu, miudu, mənut, minu, minu:t, mɛrunt, subtil:em, dekstrum, vermikululus, veвmej, bermexo, vermiλλo, veвmeλu, virmejλu, bərmɛλ, wiridem, u:num, ekkumhi:k, k ^w em, k ^w o:modo, kɔmā, komo, kome, komu, kɔm, kɔmē, ʃemu:t, kum

Appendix 3 - Segments used in the word list

27	a	<p>fe:mina, fam, embra, femmina, fembra, domina, dam, doṇa, dōnna, infantem, infante, fante, sponsa, esposa, spoza, ispoza, maritus, maṣi, mariḏo, marito, maridu, marit, marit, maḏre, marə, mari, patre, paḏre, paṛə, pari, tata, tatə, animalia, omaj, alimaṇa, nəmaje, be:stia, biṣṣa, pwasō, awem, abe, avi, aṣi, aw, awikellum, wazo, passerem, paxaro, passero, paseru, pasere, sarpint, farpe, farpe, arborem, aṛbṛ, aṛḃol, albero, aṛvori, arvuri, aṛə, arbul, arbore, silwa, selba, selva, sēwva, pal, palo, paw, par, naso, nas, nas, nariḡ, nariḡe, naris, bukka, boka, bokka, gula, a:la, ala, a, alə, ale, lu:na, luna, ste:lla, etwal, estreja, stella, ak^wa, aṡwa, akkwa, agwə, age, apə, pluwia, jubja, pjodḡa, ri:pa:ria, lakum, lak, lago, lago, lagu, laṡu, lak, mare, mar, maṛ, mar, sal, sale, saw, sare, terra, tjera, terra, tsarə, kalina, kaliḡine, kaliḡē, nebula, njebla, nebbja, tinjeblas, fu:ma:ta, fumata, fuma:ta, fumasə, fumate, kajkia, annum, aṇo, anno, aṇ, aṇ, aṇ, ling^wa, leḡgwa, lingwa, manduka:re, mandukar, mandḡare, mēḡaṛ, mēḡar, mṛḡa, maṇi, maṇḡaṛ, minka, mwardi, moskar, morsikare, musəga, musəgar, musəṡa, murseka, sugaṛ, sugar, skuḡpa, esputar, sputare, sapere, savwaṛ, saber, sabeṛ, savṛ:ṛ, saveṛ, kwidar, koḡitare, kuzitaṛ, kuzitar, kujda, kuḡeta, pensar, pensare, pēsaṛ, pēsar, pənsa, pəsa, tremare, dwaṛmi, via, nəga, neka, anegar, annegare, makta:re, mate, matar, mataṛ, mētar, mēta, maṡḡaṛ, puṇar, puṇḡare, puṇa, battuere, batṛ, batir, battere, bateṛ, batṛə, bate, bati, kaptia:re, fase, kaḡar, katḡfare, kasar, keṣar, kəsa, caḡaṛ, puxar, pulsare, puṣaṛ, puṣar, pulsa, segar, segare, segaṛ, siṡar, səṡa, kortar, koṛtaṛ, kurtar, skortare, skurta, taxar, ta:lla:re, ta:laṛ, te:lar, tēla, tajaṛ, taja, parti:re, paṛtiṛ, partir, partire, paṛḡiṛ, partiṛ, se:para:re, separar, separare, separaṛ, sipṛar, sṛpṛa, sṛparaṛ, separaṛ, separa, raer, radere, ṛaṛ, rawṛə, radaṛ, rade, rasar, rasare, ṛazaṛ, ṛezar, rəza, rasaṛ, raskar, ṛaḡkaṛ, ṛeḡkar, rəska, kosaḡ, kusar, kawa:re, kabar, kavare, kevaṛ, kevar, kəba, javaṛ, ekskawa:re, eskabaṛ, skavare, iḡkevaṛ, iḡkevar, zjavaṛ, nata:re, nadar, nwotare, nadaṛ, neḡdar, nəda, nadaṛ, naviga:re, naḡe, nabegar, navigare, naviṡaṛ, neviṡar, nəbəga, navigaṛ, naviga, bolar, volare, voaṛ, vwar, bula, zvolare, zbura, kaminar, kamminare, kəmiṇaṛ, kəmiṇar, kəmina, caminaṛ, maḡse, ambita:re, andar, andare, ēdaṛ, ēdar, jake:re, jaḡer, ḡaḡere, zaṛwṛə, swaṛ, sentar, sētar, estar, stare, iḡtar, əsta, sta, jebar, levare, levaṛ, livar, ləba, lua, altia:re, alḡar, altsare, aṡsa, aṡsar, əṡsa, altḡaṛ, tornar, tornare, toṛnaṛ, turnar, turna, turna, xirar, ḡirare, ziraṛ, zira, birar, virare, virar, bira, kadere, ḡwaṛ, kaer, kadere, kawṛə, ḡjade, tumbaṛ, tōbaṛ, tōbar, tumba, segurar, siguraṛ, siṡurar, serar, seḡa, sṛar, sṛa, serare, ḡerar, serrare, siṡar, appekto:re, apretar, epirtar, fregar, fregar, frəga, frea, freka, iḡfrigar, iḡfriṡar, frotar, frettare, frisar, frəsa, lawa:re, lave, laḡar, lavare, ləvar, lavaṛ, la, estarsir, enxugar, aḡfugare, ēfugar, ēḡuṡar, əfuga, uska, limpjar, lipar, tirar, tirare, ḡira, tira, trahere, trarre, traze, traḡe, jaktare, eḡar, ḡettare, zejtar, xita, lankeare, lanḡar, lanḡare, lēsa, lēsar, lənsa, lanciṛ, lanḡaṛ, arankar, arronḡare, aruḡka, legar, legare, liṡa, lega, apta:re, atar, etar, kontar, kontare, kōtar, kumta, enumerar, enumerare, enumera, numara, kanta:re, kantar, kantare, kētar, kēta, cantaṛ, kinta, xugar, ḡokare, zogaṛ, zuṡar, zuga, zuka, flugtwar, fluttuare, flutuṛ, flutuar, fluktua, fluctua, fluitare, kolar, kolare, koaṛ, kuar, kuṡa, elar, ḡelare, zilar, zəla, ḡale, glakia:re, glase, ḡatḡjare, gləsa, glaḡaṛ, inglakia:re, ingetsa, brufare, kəame, kemaṛ, kremare, kējmare, kejməṛ, krəma, flamma:re, flamear, fjammare, flama, ardere, aṛḡ, arder, ardere, aṛḡe, arde, flagra:re, flagṛe, flagrar, flagrare, flagṛaṛ, flagrar, inḡendjare, isenḡjar, isēḡjar, ustolare, ustura, tantus, tanto, tant, tanc, alguno, alkuno, awḡ, aḡḡ, alter, altro, altrə, altri, alt, alius, aw, aṡ, magnum, maṇo, maṇḡo, grandem, grande, grande, gran, grant, mare, largum, laḡz, laṡo, largo, laḡgu, laḡu, la</p> <p>rk, lark, larg, lato, latu, lat, amplum, anḡo, ampjo, amplə, grawis, ḡav, grabe, gravi, gravi, grav, pe:sant, pesaḡo, pesante, pezadu, pizaḡu, pəzat, pezant, angustus, angosto, angusto, etḡwa, deḡaḡo, delikato, dewgaḡu, deḡaḡu, dṛlikat, dṛwat, deṡtra, duas, k^wattwor, katṛ, kwatro, kwattro, kwatru, kwatrə, kwat, kwatri, patru, aki, la, aja, əla, ai, kwa, k^wandoṛ, kwando, kwan, kwand, kwant</p>
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Appendix 3 - Segments used in the word list

28	r	embra, fembra, muxer, muſer, ombre, muxer, muſer, mariðo, maridu, mēriðu, marit, maðre, marə, paðre, paṛə, paxaro, paseru, pasəre, serpjente, sirpēti, farpe, sjerpe, serp, farpe, berme, vermi, verm, arβol, albero, akvori, arvuri, abra, par, fruto, frute, frujt, flor, fjo:re, flqare, nariθ, naris, nērif, gura, sqare, estreja, istrele, iftrele, mar, trevef, tanebrəs, tjer, nombre, beber, bere, biβer, bəwra, komer, kumer, mandukar, mandzare, mēzar, morðer, murðer, moskar, morsikare, sugar, kuſpir, eskupir, esputar, sputare, saber, səber, konoθer, kuſiser, kwidar, kuzitar, pensar, pensare, pēsar, temer, timer, tremex, trimer, dormir, durmir, bibir, viver, biwra, morir, muxer, muri, anegar, matar, metar, utfidere, pupar, batir, bēter, batra, kaθar, keſar, puxar, puſar, segar, siyar, kortar, kurtar, taxar, tēlar, dibidir, diviðir, ender, fēder, fendra, partir, pērtir, separar, separax, siperar, səpəra, pūzir, raer, vøer, rawra, rasar, vazar, raskar, vefkar, kusar, kabar, kevar, eskabar, ifkevar, nadar, nwotare, nəðar, nabegar, nəviyar, bolar, volare, vwar, zvolare, zbura, kaminar, kamminare, kəminar, andar, ēdar, benir, venire, vir, ekstender, iftēder, əstendra, jaθer, dʒaʃe:re, zəzer, zawra, ser, sentar, sētar, estar, iftar, jebar, livar, alθar, aſsar, tornar, turnar, xirar, dʒirare, zirar, zira, birar, virare, virar, bira, torθer, kaer, kadere, keir, tumber, tōbar, tener, tenere, ter, segurar, sigurax, siyurar, ekspremir, əspremə, serar, sərar, θerar, siyar, apretar, epirtar, estrepir, əstrepa, fregar, frəga, iffrigar, iffriyar, frotar, frisar, frəsa, laβar, ləvar, estarsir, enxugar, əfugar, əfuyar, limpjar, lipar, tirar, tjer, tira, traze, trezer, trewra, eſar, zejtar, lanθar, lēsar, arankar, arunka, legar, atar, etar, koser, kuzer, kontar, kōtar, enumerar, enumera, deθir, dizer, kantar, kētar, ludir, xugar, zuyar, flugtwar, flutuar, fluir, flwir, kolar, kuar, eskurir, ifkurer, skurde, korer, kuver, kurde, elar, zilar, kəmar, kəjmare, flamear, arder, erder, arde, flagrar, flagrar, enθender, isendjar, isēdjar, ənsendra, otro, owtru, altrə, grande, grēdʒi, grēdi, mare, laryo, largu, lark, grabe, gravi, gravi, grew, grew, lerdo, korto, kurtu, kurt, brebe, brevi, brevi, brew, estrefo, istrejt, iftrejt, əstret, djestro, destru, deſtru, destrə, derefo, direjte, dret, drept, rofu, bermexo, virməjlu, berde, verdi, vert, verde, tres, tref, kwatro, kwatru, kwatra
29	v	femeə, femje, done, ifpozə, mēriðu, bivə, paseru, selve, frute, nērif, bokə, luv, istrele, iftrele, agwə, juvə, təkə, təkə, kəlizēj, nəvwə, trevef, fumasə, enu, ligwə, səber, metar, bēter, keſar, tēlar, pērtir, siperar, vøer, vazar, vefkar, kevar, ifkevar, ifkevar, nəðar, nəviyar, kəminar, kəminar, zəzer, zəzer, keir, epirtar, ləvar, trezer, etar, erder, direjte, direjte, duəs, duəf, eki, ei
30	æ	fœm, dœm, flœk
31	ε	fəmine, efā, pəs, pēhō, utfello, utfjel, sjəkrē, serpe, verm, vjer, vjer, səwva, selve, selve, bōce, əstəl, stele, mək, sel, terra, təkə, tērə, tjere, nəvwə, tenebək, trevef, sjel, tjele, səw, sel, vento, zel, djele, zel, lənge, bəwra, səβe, kənetək, kuneſə, tjeſi, teji, fendere, fendra, nēdʒi, mēdʒere, estendere, etək, es, spremere, sere, əstrepa, strēngi, tēdʒere, təkə, trewra, əmpəpa, dʒete, inftendjare, greve, grevi, bkef, breve, brevi, brevi, əstret, strēt, deſyaðu, destro, destru, deſtru, destra, dret, dret, vəmēj, bərmel, vert, vək, vert, tres, ke, ε
32	l	mulierem, mulier, animalia, alimapa, nema:l, awikellum, utfello, utfjel, peduklus, pedoli, arβol, albero, arbul, silwa, selba, selva, selve, pa:lus, pal, palo, pa:l, flo:rem, flœk, flor, flok, flō, flō:k, flo:r, flqare, gula, a:la, el, ala, alə, ale, so:lem, sol, sole, səl, səlō, solikulus, solēj, soreli, luna, lyn, luna, luv, lōn, lune, lunə, ste:lla, etwal, stella, istrele, iftrele, əstəl, stō:l, stele, pluwia, plqi, pluzə, plwək, ploje, plqaje, flu:men, flumi, flumi, flum, lakum, lak, lago, lago, lagu, layu, lat, sa:lem, sel, sal, sale, sa:l, ka:li:ginem, kalina, kalidʒine, kalizēj, kəlizēj, nebula, njoly, njebla, newlə, tinjeblas, kajlum, sjel, θjelo, tjele, sel, tje:l, gelu:, zel, jelo, djele, lingwa, lāg, lengwa, lingwa, ligwə, lēu, lənge, limbə, pulsa:re, pulsa:re, pulsa:re, pulsa:re, ta:lia:re, jugula:re, zygye, jugula:re, çəvle, wola:re, vole, bolar, volare, bula, vōle, zvolare, zvola:re, levara:re, love, levara:re, levar, livar, leva:re, lua, altiare, alθar, altsare, əlsa, altfa:re, lawa:re, lave, laβar, lavare, ləvar, lava:re, la, limpida:re, limpjar, lipar, pulsa:re, lankea:re, lāse, lanθar, lanfjare, lēsa, lēsar, lanci:re, lanfja:re, ligare:re, lie, legar, legare, lōji, lea:re, lega, lūdere, ludir, fluktuare:re, flyktqe, flugtwar, fluttuare, flutuak, flutuar, fluktua, fluctua, fluitare, fluitare, fluere, flye, fluir, fluire, flwir, flwir, flui, kolare:re, kule, kolar, kolare, kōle, gelare, zəle, elar, djele, zilar, zəla, djele, glakia:re, glase, gləsa, glaſa:re, inglakia:re, bəyle, bəule, flammare:re, flābe, flamear, flagrare:re, flagre, flagrar, flagrare:re, flagrak, flagrar, ustulare:re, ustolare, multus, molto, mol, molc, mult, alguno, alkuno, əlgu, alter, altro, altrə, altri, alt, alius, longum, lō, longo, lungo, lōgu, lō, lunk, lung, largum, ləg, laryo, largo, ləgu, largu, lark, larg, latum, le, lato, latu, lat, amplum, āpl, amplə, lurdus, luv, lerdo, lordo, pitulus, pikkolo, pitful, de:lika:tus, deſyaðu, delikato, dēlikat, subti:lem, sutil, sottile, subtil, suti:l, vermikulus, illa:k, la

Appendix 3 - Segments used in the word list

[illegible]

Appendix 3 - Segments used in the word list

43	ā	āfā, efā, sēpā, vā, ā, lāg, māze, pāse, fādā, etādā, lāse, fāte, fāte, flābe, ēsādje, gā, gā, āpl, pāzā, kā, kāmā
44	ī	īfēfī, īfēti, līgwe, ātrīzir, ātrīzir, lipar, isēdjar, isēdjar, siku
45	ē	īfēfī, īfēti, mēzak, mēzar, ēdā, ēdar, lēsa, lēsar, kētar, tētu, tētu, grēdži, grēdi, ēfu, kwēdu
46	f	īfēfī, sōfō, utfello, utfel, sēpēfī, nariŋe, fēaŋe, fēlo, fīl, fēr, mafā, utfidere, ufide, katfare, fēsī, caŋa, pāfī, fīmine, mārfī, dāfēre, zāfēa, tōrfere, tōartfē, fēr, fjade, fira, eŋar, lanfare, lanŋar, arronfare, kuŋfire, ziŋe, fāte, gātffjare, glaŋar, bruŋfare, inŋendjare, inŋindze, muŋfo, anŋfo, pitffino, piŋful, estrefō, suŋfiw, derēfō, rōf, fīnkwe, fīnk, fīnf, fīne, fē, fēmu:t
47	i	īfēti, iŋpoze, iŋpozu, peŋfī, avi, sirpēti, vermi, arvuri, iŋtrele, flumi, riw, vint, nomi, biŋer, minka, kuniser, timer, trimer, siŋar, siperar, naviŋar, neviŋar, iŋtar, livar, sigurar, siŋurar, siŋar, epirtar, strindje, iŋfriŋar, iŋpindje, kinta, zilar, ingetsa, inŋindze, grēdi, gravi, pizađu, pikenu, brēvi, ingust, iŋtrejtu, strimt, virmeŋlu, verdi, ki, kind
48	p	sponsa, epuz, esposa, spōza, ispoza, iŋpoze, āspōze, sponsus, epu, esposo, spōzo, ispozu, iŋpozu, āspōs, spōs, patre, pē, padre, padre, paj, parā, pēr, pari, piskem, peθ, peŋfe, peŋfī, peŋfī, peŋ, pēs, peŋte, pwasō, pēhō, passerem, paxaro, passero, pasaru, pasare, peduklus, pu, pjoxo, pidakkjo, pioŋu, poŋ, pju, pedoli, pādukje, serpentem, sēpā, serpjente, serpente, sēpēfī, sirpēti, sārpen, sjērpē, sarpint, ŋarpe, serpens, sjerpe, serpe, serp, ŋarpe, paŋlus, pal, palo, paw, pa:l, par, apā, pluŋia, plūi, pjodža, pluŋ, plu:ŋ, ploje, plōaje, ri:pa:ria, konspuere, kōspyē, kuspiŋ, kuŋpir, eskupir, āskupi, skujpa, spūtere, eŋputar, sputare, spudā, sapere, pensare, pāse, pensar, pensare, pēsar, pēsa, pēsa, pēse, pēsar, pēsa, pugna:re, puŋar, puŋna:re, puŋa, kaptia:re, pulsa:re, puse, puŋar, pulsa:re, puŋar, pulsa:re, pulsa, parti:re, paktiŋ, partir, partire, paktiŋ, pērtir, pērti, pōrti, parti, se:para:re, separar, separare, separar, siperar, sārpara, separa, separa, pungere, pēdē, pūdžere, pūziŋ, pūzir, puŋi, pūdžere, eksprimere, epēdē, ekspremir, spremer, iŋpremer, iŋpremer, āspremā, esprimi, appektora:re, apretar, epirtar, limpida:re, limpjar, lipar, puse, pu:si, pulsa:re, impingere, impindžere, āpreŋā, impindžere, apta:re, komputa:re, eksponere, sporre, spune, paŋkus, pō, poko, pōko, powku, pōk, pō, pō:k, amplum, āpl, ampjo, amplō, pe:sant, pēzā, pesađu, pesante, pezadu, pizađu, pēzat, pezant, pittitus, pēti, pētit, piti, pittinus, pekepo, pitffino, pekenu, pikenu, putsin, pitulus, pikkolo, piŋful, suptil, drept, patru
49	z	epuz, spōza, ispoza, iŋpoze, āspōze, spōzo, ispozu, iŋpozu, wazo, ŋaze, ŋazar, rēza, zŋava:re, zvolare, zvolar, zbura, zezir, zēzē, zēzer, zāfēa, traze, trēzer, kuzer, kuzi, kō:z, kuzi, dizer, ziŋe, bruŋar, pēzā, pezadu, pizađu, pēzat, pezant
50	ō	mariđu, mēriđu, mādre, padre, morđer, murđer, diviđer, neđar, tođu, pesađu, pizađu, miuđu, delyađu, deŋyađu
51	k	sokius, piskem, awikellum, peduklus, pidakkjo, pādukje, fru:ktus, frukt, bukka, boka, bokka, bokē, bokā, bōk, bukā, solikulus, akkwa, lakum, lak, ŋak, ka:li:ginem, kalina, kalidžine, kalizēj, kēlizēj, kajkia, kajlum, fokum, fōwōko, fōk, fu:k, fok, komedere, komer, kome, kumer, mandukare, mandukar, minka, morsika:re, moskar, morsikare, murseka, konspuere, kōspyē, kuspiŋ, kuŋpir, eskupir, āskupi, skujpa, ski:re, kogno:skere, kōnetŋ, konoθer, konoffere, kōneser, kuniser, kuŋfā, kinž, koposi, kuŋaŋte, kō:gitare, kūide, kwidar, kōdgitare, kuŋitaŋ, kuŋitar, kujda, kuŋgeta, kēdē, neka:re, neka, makta:re, okki:dere, ŋksiŋ, uksi, kaptia:re, kaθar, katfare, kasar, kesar, kōsa, seka:re, kurta:re, kortar, kōtaŋ, kurtar, ekskurta:re, ekuŋte, skortare, skurta:re, skurta, skindere, raskar, ŋafkar, ŋefkar, rōska, kosaŋ, kusar, kawa:re, kabar, kavare, kēvaŋ, kēvar, kōba, ekskawa:re, eskabar, skavare, iŋkēvaŋ, iŋkēvar, kaminar, kamminare, kēminar, kēminar, kēmina, ekstendere, ekstender, ekstinde, jake:re, kadere, kaer, kadere, kēir, kawrā, kēdē, eksprimere, ekspremir, skreme, appektora:re, frika:re, freka, frikta:re, ekstergere, eksu:ka:re, uska, jakta:re, lankeare, e:runka:re, aranka:re, aruŋka, kōnsuere, kudŋ, koser, kuŋfire, kuzer, kuzi, kō:z, kuzi, komputa:re, kōte, kontar, kontare, kōtar, kumta, kontar, di:kere, eksponere, kantare, kantar, kantare, kētar, kōnta, kinta, jōka:re, dōkare, zuka, flu:ktua:re, flyktŋe, fluktua, kō:la:re, kule, kolar, kolare, koar, kuar, kuŋa, kōle, ekskurrere, eskurir, skorrere, iŋkōvē, iŋkurer, āskorā, skori:, skurđe, kurrere, kuŋiŋ, korer, korrere, kōvē, kuŋer, korā, kori, kurđe, glakia:re, inglakia:re, kremare, kōame, kemar, kremare, kējmare, kējmare, krōma, inkendere, okō, alkuno, paŋkus, pōko, pōko, powku, pōk, pō:k, lunk, ŋark, lark, pekepo, pekenu, pikenu, pikkolo, kurtus, kuŋ, korto, korto, kuŋtu, kurtu, kurt, ku:ŋ, kurt, striktus, de:likatus, delikato, dēlikat, dekstrum, di:rektus, vermikulus, katŋ, kwatro, kwattro, kwatru, kwatrā, kwat, kwatri, sēk, θinko, fīnkwe, siku, siŋk, fīnk, ekkumhi:k, aki, kwi, ēki, illa:k, ki, ki, kwi, kjen, kēj, kēj, kwa, ke, ki, kē, kwē, kō, kwando, kwēdu, kwan, kwand, kwant, kind, kōmā, komo, kome, komu, kōm, kōmē, kum, nek, si:k
52	ts	sots, tsarā, altsare, tsine, ingetsa, putsin, subtsire

Appendix 3 - Segments used in the word list

53	a:	ma:trem, ma:dre, pa:dre, nema:l, pa:lus, pa:l, na:sus, na:so, na:s, na:rɪs, a:la, ri:pa:ria, la:t, ma:r, sa:lem, sa:l, ka:li:ginem, tene:bra:s, fu:ma:ta, fu:ma: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, ta:lɔ:la:re, taja:, se:para:re, separa:, jugula:re, jugula:re, ra:dere, rada:, rasa:, kawa:re, ɟava:, ekskawa:re, zɟava:, nata:re, nada:, naviga:re, naviga:, wola:re, zvola:, camina:, ma:rɲfi:, ambita:re, sedenta:re, senta:, stare, sta:, leva:re, leva:, altia:re, altfa:, torna:re, torna:, gyra:re, ɟira:, appekto:re, frika:re, frikta:re, lawa:re, lava:, eksu:ka:re, suja:, limpida:re, 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, ɟuja:, 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, illak
54	ēj	mēj, kēlizēj, kēj, nēj
55	r	mer, vjer, fry, savø:r, mɔ:ri, pɔ:rɪti, ma:rɲfi:, ʃɛ:r, sɔ:raɪ, sere, ifkurer
56	aj	paj, aɲwə, tene:braj, kajkia, kajlum, nwaje, traj, majjorem, duaj
57	ε:	pɛ:r, u:hɛ:, ε:w, tɛ:ɤ, tɛ:nebre, tɛ:nebre, ʃɛ:r, kwɛ:
58	θ	peθ, nariθ, θjelo, konoθer, kaθar, jaθer, alθar, torθer, θerar, lanθar, deθir, enθender, θinko
59	ej	pejfi, zejtar, kejmæ, istrejtɔ, trej
60	ej	pejfi, kejmæ, iftrejtu, direjtɔ, direjtɔ, virmejɔ
61	ō	pwəsō, pēhō, nō, tōbe, tōbak, tōbar, kōte, kōtar, pō, ōt, lōgu, lō, ō
62	ē	sekpēɲfi, sirpēti, sjekpē, vētu, vē, pēsak, pēsar, kēdɤ, fēdɤ, fēder, istēdɤ, iftēder, sētar, ēfugar, ēfuyar, isēdjar, sēk, nē
63	β	arβol, biβer, səβɛ, laβar
64	ɭ	sɛɭvɛ, sɔɭ, zɛɭ, aɭsa, aɭsar, kuɭa, ɭama, aɭgū, aɭ, deɭyaðu
65	ɥ	fɥqi, plɥi, kɥide, tɥɛ, esɥije, flyktɥɛ
66	ø:	flø:ɤ, stø:l, fø:, bø:ɤ, savø:r, kø:z, stø:ɔ, drø:t, dø:, trø:
67	c	bɔ:ce, cuca:, caɲfa:, camina:, lancɪ, çɔ:se, canta:, fluctua, molc, tanc
68	g	gula, gurə, age, lago, lengɛ, pugna:re, segar, segare, jugula:re, naviga:re, naviga:, mergere, gyra:re, stringere, stringe:, strengi:, fregare, impingere, lega, xugar, glaɲfa:, ingetsa, flagkɤ, alguno, magnum, grandem, gran, gɤd, grant, longo, lung, largum, larg, grav, grevi, grew, ingust
69	ej	sɔlej, fɤje, vɤmɛj
70	ø	løn, fø, pø, dø
71	ɛa	stɛa, ʃɛaɲɔ, bɛa, zɔɲɛa, fedɛa, kədə
72	kʷ	akʷa, torkʷere, kʷattwor, kʷi:nkʷɛ, kʷis, kʷem, kʷid, kʷando:, kʷo:modo
73	ɣ	aɣwa, aɲwə, laɣu, foɣu, musəɣa, siɣar, səɣa, naviɣak, neviɣar, siɣurar, iffriɣar, ēfuyar, ɭiɣa, zuɣar, larɣo, deɣaðu, deɣaðu
74	ŋ	aŋ, nɔŋ, leŋgwa, maɲja:, peɲsa:, aruŋka, ɔŋ, ingust, uŋ, ʃiŋkwe, siŋk, ʃiŋk
75	gʷ	lingʷa
76	ēu	lēu
77	a	bwak, taje, kaze, tkwa
78	ɟ	maɲja:, ɟava:, zɟava:
79	ē	pēse, sēde, fēt, pwēdɤ, epwēdɤ, etwēdɤ, ēsādje, kɔmē
80	ɔ:	pɔ:rɪti, hɔ:si:
81	ũ	pũziɤ, pũzir, mũjtu, awgũ, aɭgũ, ũ
82	ɭ	kosaɭ
83	ç	çavle
84	ɑ:	çavle
85	j	mũjtu
86	œ	okœ, œ
87	aɥ	paɥkus
88	ʊ	koʃʊ
89	ēw	nēw

Appendix 4 - Word Lists by Language

Latin

Cognate	IPA	Sounds
I	-ego:	ay-g-O
We	no:-s	n-O-s
YouPlural	wo:-s	w-O-s
YouSingular	tu:	t-U
Woman	fe:-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
Father	patre	p-ah-t-r-ay
Father-Tata	tata	t-ah-t-ah
Animal	animalia	ah-n-e-m-ah-l-e-ah
Animal-Bestia	be:stia	b-ai-s-t-e-ah
Fish-Piskem	piskem	p-e-s-k-ay-m
Bird-Avem	awem	ah-w-ay-m
Bird-Avicellum	-awi-k-ellum	ah-w-e-k-ay-l-l-u-m
Bird-Passerem	passerem	p-ah-s-s-ay-r-ay-m
Louse	p-edu-klus	p-ay-d-u-k-l-u-s
Snake	s-erp-entem	s-ay-r-p-ay-n-t-ay-m
Snake-Serpens	s-erpens	s-ay-r-p-ay-n-s
Worm	wermem	w-ay-r-m-ay-m
Tree	arborem	ah-r-b-oh-r-ay-m
Forest	silwa	s-e-l-w-ah
Stick	pa:lus	p-A-l-u-s
Fruit	fru:ktus	f-r-U-k-t-u-s
Flower	flo:rem	f-l-O-r-ay-m
Nose	na:sus	n-A-s-u-s
Mouth	bukka	b-u-k-k-ah
Mouth-Gula	gula	j-u-l-ah
Wing	a:la	A-l-ah
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
River	flu:men	f-l-U-m-ay-n
River-Rivus	ri:wus	r-E-w-u-s
River-Riparia	ri:p-a:ria	r-E-p-A-r-e-ah
Lake	lakum	l-ah-k-u-m
Sea	mare	m-ah-r-ay
Salt	'sa:lem	s-A-l-ay-m
Earth	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

Appendix 4 - Word Lists by Language

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
Ice	'gelu:	g-ay-l-U
Smoke	fu:mus	f-U-m-u-s
Fire-Focus	f-okum	f-oh-k-u-m
Year	annum	ah-n-n-u-m
Name-Nomen	no:men	n-O-m-ay-n
Name-Nominem	no:min-em	n-O-m-e-n-ay-m
Tongue	lingw-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

Appendix 4 - Word Lists by Language

ToCome	weni:re	w-ay-n-E-r-ay
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-Gyrare	gyra:re	j-ech-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	appetora: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
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

Appendix 4 - Word Lists by Language

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
Right-Dextrem	d-ekstrum	d-ay-k-s-t-r-u-m
Right-Directum	di:r-e:ktus	d-E-r-ai-k-t-u-s
Red	ruber-	r-u-b-ay-r
Red-Russus	russus	r-u-s-s-u-s
Red-Vermiculus	vermikulus	v-ay-r-m-e-k-u-l-u-s
Red-Rubeus	ru-beus	r-u-b-ay-u-s
Green	'wiridem	w-e-r-e-d-ay-m
One	'u:num	U-n-u-m
Two-Duos	duo:s	d-u-O-s
Two-Duae	du-aj	d-u-aj_diphthong
Two-Duas	duas	d-u-ah-s
Three	tr-e:s	t-r-ai-s
Four	k ^w -attwor-	kw-ah-t-t-w-oh-r
Five	'k ^w i:nk ^w -e	kw-E-n-kw-ay
Here	-ekkumhi:k	ay-k-k-u-m-h-E-k
There	illa:k	e-l-l-A-k
There-Ibi	ibi:	e-b-E
Who-Qui	k ^w -is	kw-e-s
Who-Quem	k ^w -em-	kw-ay-m
What	'k ^w -id	kw-e-d
When-Quando	k ^w -ando:	kw-ah-n-d-O
How-Quomodo	'k ^w o:modo	kw-O-m-oh-d-oh
Not	no:n	n-O-n
Not-Nec	nek	n-ay-k
And-Et	et	ay-t
And-Si	si:k	s-E-k

French

Appendix 4 - Word Lists by Language

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	-ɔ̃--	oon
Child	ã-fã----	NasalA-f-NasalA
Wife	e-pu-z-	ay-p-u-zz
Husband	maʁi---	m-ah-rr-e
Husband-Sponsus	e-pu----	ay-p-u
Mother	me-ʁ--	m-ay-rr
Father	pe-ʁ-	p-ay-rr
Animal	o---ma-j	oh-m-ah-jg
Fish-Pescion	pwasð	p-w-ah-s-on
Bird-Avicellum	wa---z-o----	w-ah-zz-oh
Louse	p-u-----	p-u
Snake	s-ekp-ã----	s-ay-rr-p-NasalA
Worm	veʁ---	v-ay-rr
Tree	aʁb-ʁ--	ah-rr-b-rr
Stick	pal--	p-ah-l
Fruit	fʁʁi----	f-rr-eu-e
Flower	flœʁ--	f-l-OpenMidNearFrontRounded-rr
Nose	ne---	n-ay
Mouth	bu-ʃ-	b-u-shh
Wing	el-	ay-l
Sun-Soliculus	solej----	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
River-Rivus	ʁy---	rr-eeh
River-Riparia	ʁivjeʁ--	rr-e-v-jg-ay-rr
Lake	lak--	l-ah-k
Sea	mœʁ-	m-eh-rr
Salt	sɛl--	s-eh-l
Earth	t-e-ʁ-	t-ay-rr
Fog-Nebula	nʒə---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
Wind	v-ã----	v-NasalA
Ice	ʒɛl-	gzah-eh-l
Fire-Focus	f-ø---	f-uu
Year	ã----	NasalA
Name-Nomen	nɔ̃---	n-oon
Tongue	lã-g--	l-NasalA-g
ToDrink	b--waʁ-	b-w-a-rr
ToEat-Manducare	mã-ʒ--e--	m-NasalA-gzah-ay
ToBite	m-oʁd-ʁ-	m-oh-rr-d-rr
ToSuck	syse--	s-eeh-s-ay
ToSpit	kɔ̃-spye-	k-oon-s-p-eeh-ay
ToKnow-Sapere	savwaʁ-	s-ah-v-w-ah-rr
ToKnow-Cognoscere	kɔ̃-ne-tʁ-	k-euh-n-eh-t-rr

Appendix 4 - Word Lists by Language

ToThink	kʏ--ide--	k-eu-e-d-ay
ToThink-Pensare	pɑ-sc--	p-NasalA-s-ay
ToFear-Tremere	kʁē-d-κ-	k-rr-ehn-d-rr
ToSleep	d-ɔʁmik-	d-euh-rr-m-e-rr
ToLive	viv-κ-	v-e-v-rr
ToDie	mukʁ-	m-u-rr-e-rr
ToKill	nwaje--	n-w-aj_diphthong-ay
ToKill-Tutari	t-ɥ-e--	t-eu-ay
ToKill-Mactare	ma-te--	m-ah-t-ay
ToKill-Occidere	ɔksi--κ-	euh-k-s-e-rr
ToFight-Battuere	bat--κ-	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--kʁte--	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	fɑ-d-κ-	f-NasalA-d-rr
ToSplit-Partire	paktiκ-	p-ah-rr-t-e-rr
ToSplit-Separare	sə-v---κe	s-aah-v-rr-ay
ToStab	pwē-d-κ-	p-w-ehnn-d-rr
ToStab-Iugulare	ʒygyle--	gzah-eeh-g-eeh-l-ay
ToScratch-Rasare	κaze--	rr-a-zz-ay
ToDig	fwik	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	maʁʃe	m-ah-rr-shh-ay
ToCome	vəniκ-	v-aah-n-e-rr
ToLieAsInABed	e-tɑ-d-κ-	ay-t-NasalA-d-rr
ToLieAsInABed-lacere	ʒe-zik-	gzah-ay-zz-e-rr
ToSit	swa--κ-	s-w-ah-rr
ToStand	ε-t-κ-	eh-t-rr
ToStand-Levare	lɑve--	l-aah-v-ay
ToStand-Altiare	-o-s-e--	oh-s-ay
ToTurnIntransitive	tʁne--	t-u-rr-n-ay
ToTurnIntransitive-Gyrare	ʒiκe--	gzah-e-rr-ay
ToTurnIntransitive-AncestralClass3	vike--	v-e-rr-ay
ToTurnIntransitive-Torquere	tʁd-κ-	t-euh-rr-d-rr
ToFall	ʃwa--κ-	shh-w-ah-rr
ToFall-Tumbare	tõ-be-	t-on-b-ay
ToHold	tən-iκ-	t-aah-n-e-rr
ToSqueeze	e--pʁē-d-κ-	ay-p-rr-ehnn-d-rr
ToSqueeze-Serare	se-κe--	s-ay-rr-ay
ToSqueeze-Stringere	e-tʁē-d-κ-	ay-t-rr-ehnn-d-rr
ToRub	fʁεje--	f-rr-eh_diphthong-ay
ToRub-Frictare	fʁote--	f-rr-oh-t-ay
ToWash	lave--	l-ah-v-ay
ToWipe-Exsucare	e-sʁi-je--	ay-s-eu-e-jg-ay
ToPull	tike--	t-e-rr-ay
ToPull-Pulsare	pu-se--	p-u-s-ay
ToPull-Trahere	tʁ--εκ-	t-rr-eh-rr
ToThrow	ʒə-te	gzah-aah-t-ay
ToThrow-Lanceare	lɑ-s-e-	l-NasalA-s-ay
ToTie	li-e--	l-e-ay
ToSew	ku-d---κ-	k-u-d-rr
ToCount	kõ---te--	k-on-t-ay

Appendix 4 - Word Lists by Language

ToCount-Enumerare	enumeɾe--	ay-n-u-m-ay-rr-ay
ToSay	dj-i-ɾ	d-e-rr
ToSing-AncestralClass	ʃã-te--	shh-NasalA-t-ay
ToPlay-Jiocare	ʒ-w-e--	gzah-w-ay
ToFloat	flyktɥe--	f-l-eeh-k-t-eu-ay
ToFlow	flye--	f-l-eeh-ay
ToFlow-Colare	kule--	k-u-l-ay
ToFlow-Currere	ku-ɾiɾ-	k-u-rr-e-rr
ToFreeze	ʒøle--	gzah-aah-l-ay
ToFreeze-Glaciare	gla-s-e--	g-l-ah-s-ay
ToBurn-Brojan	bɾyle--	b-rr-eeh-l-ay
ToBurn-Cremare	kɾame--	k-rr-ah-m-ay
ToBurn-Flammare	flã-be--	f-l-NasalA-b-ay
ToBurn-Ardere	aɾd-ɾ-	ah-rr-d-rr
ToBurn-Flagrare	flagɾe--	f-l-ah-g-rr-ay
ToBurn-Incendere	ẽ-sã-dje--	ehnn-s-NasalA-d-jg-ay
All-Totus	tu----	t-u
Many	mu---	m-u
Some	o-kæ-	oh-k-uuh
Few	pø---	p-uu
Other	o-t-ɾ-	oh-t-rr
Big-Grandem	gɾã---	g-rr-NasalA
Long-Longum	lõ-----	l-oon
Long-Largum	laɾʒ--	l-ah-rr-gzah
Wide	le---	l-ay
Wide-Amplum	ã-pl--	NasalA-p-l
Heavy	gɾav--	g-rr-ah-v
Heavy-Lurdus	luɾ---	l-u-rr
Heavy-Pesant	pəʒã---	p-aah-zz-NasalA
Small	pə-ti---	p-aah-t-e
Short	kuɾ---	k-u-rr
Short-Brevis	bɾɛf--	b-rr-eh-f
Narrow-Strictus	e-tɾwa-----	ay-t-rr-w-ah
Thin	møny----	m-aah-n-eeh
Thin-Delicatus	du:--ʒe:---	d-U-gzah-ai
Right-Directum	d-ɾwa-t--	d-rr-w-ah-t
Red-Russus	ɾu----	rr-u
Red-Vermiculus	vɛɾmɛj----	v-eh-rr-m-eh_diphthong
Red-Rubeus	ɾu-ʒ---	rr-u-gzah
Green	vɛɾ-----	v-ay-rr
One	œ---	uuh
Two-Duos	d-ø-	d-uu
Three	tɾwa-	t-rr-w-a
Four	k-a-t--ɾ-	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	kõmã--	k-euh-m-NasalA
Not	nõ-	n-oon
Not-Nec	ni-	n-e
And-Et	e-	ay

Spanish

Appendix 4 - Word Lists by Language

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--ja	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
Father	paðre	p-ah-dd-er-ay
Father-Tata	tata	t-ah-t-ah
Animal	alimaj-a	ah-l-e-m-ah-VdPalatalNasal-ah
Fish-Piskem	peθ---	p-ay-th
Bird-Avem	abe-	ah-b-ay
Bird-Passerem	pa-xaro-	p-ah-xha-ah-er-oh
Louse	pjo--x-o-	p-jg-oh-xha-oh
Snake	s-erpjente-	s-ay-er-p-jg-ay-n-t-ay
Snake-Serpens	sjerpe--	s-jg-ay-er-p-ay
Worm	berme-	b-ay-er-m-ay
Tree	arþol--	ah-er-bb-oh-l
Forest	selba	s-ay-l-b-ah
Stick	palo-	p-ah-l-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
Mouth	bo-ka	b-oh-k-ah
Wing	ala	ah-l-ah
Sun	sol--	s-oh-l
Moon	luna	l-u-n-ah
Star	estre-ja	ay-s-t-er-ay-VdPalatalFricative-ah
Water	'a-ywa	ah-juh-w-ah
Rain	j-u-bja	VdPalatalFricative-u-b-jg-ah
River-Rivus	ri-o-	r-e-oh
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
Ice	jelo	VdPalatalFricative-ay-l-oh
Smoke	-umo-	u-m-oh
Fire-Focus	fwego-	f-w-ay-g-oh
Year	a-po-	ah-VdPalatalNasal-oh

Appendix 4 - Word Lists by Language

Name-Nominem	nom-bre-	n-oh-m-b-er-ay
Tongue	'leggwa	l-ay-nya-g-w-ah
ToDrink	beb-er-	b-ay-b-ay-er
ToEat	kome--r-	k-oh-m-ay-er
ToEat-Manducare	mandukar-	m-ah-n-d-u-k-ah-er
ToBite	m-orðer-	m-oh-er-dd-ay-er
ToBite-Morsicare	mo-s-kar-	m-oh-s-k-ah-er
ToSpit-Exconspuere	esku-pir	ay-s-k-u-p-e-er
ToSpit-Sputare	esputar	ay-s-p-u-t-ah-er
ToKnow-Sapere	sab-er-	s-ah-b-ay-er
ToKnow-Cognoscere	ko-noðer-	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-par-	p-u-VdPalatalNasal-ah-er
ToFight-Battuere	ba-t-ir-	b-ah-t-e-er
ToHunt-Captiare	ka-θ-ar-	k-ah-th-ah-er
ToHit	pu-xar-	p-u-xha-ah-er
ToCut	s-egar-	s-ay-j-ah-er
ToCut-Curtare	kortar-	k-oh-er-t-ah-er
ToCut-Taliare	ta-x-ar-	t-ah-xha-ah-er
ToSplit	dibidir-	d-e-b-e-d-e-er
ToSplit-Findere	-ender-	ay-n-d-ay-er
ToSplit-Partire	partir-	p-ah-er-t-e-er
ToSplit-Separare	separar-	s-ay-p-ah-er-ah-er
ToScratch	ra-er-	r-ah-ay-er
ToScratch-Rasare	rasar-	r-ah-s-ah-er
ToScratch-Rasicare	raskar	r-ah-s-k-ah-er
ToDig-Cavare	kabar	k-ah-b-ah-er
ToDig-Excavare	eskabar-	ay-s-k-ah-b-ah-er
ToSwim	n-adar-	n-ah-d-ah-er
ToSwim-Navigare	nabegar-	n-ah-b-ay-g-ah-er
ToFly	bolar-	b-oh-l-ah-er
ToWalk	kaminar-	k-ah-m-e-n-ah-er
ToWalk-Ambitare	and--ar-	ah-n-d-ah-er
ToCome	benir-	b-ay-n-e-er
ToLieAsInABed	ekstender-	ay-k-s-t-ay-n-d-ay-er
ToLieAsInABed-lacere	ja-ðer-	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-AncestralClass3	birar-	b-e-er-ah-er
ToTurnIntransitive-Torquere	torðer-	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

Appendix 4 - Word Lists by Language

ToSqueeze	eksprem-ir-	ay-k-s-p-er-ay-m-e-er
ToSqueeze-Serrere	se-rar	s-ay-r-ah-er
ToSqueeze-Serare	θe-rar-	th-ay-r-ah-er
ToSqueeze-Appetorare	a-p--retar-	ah-p-er-ay-t-ah-er
ToSqueeze-Stringere	estrep-ir-	ay-s-t-er-ay-VdPalatalNasal-e-er
ToRub	fregar-	f-er-ay-g-ah-er
ToRub-Frictare	frotar-	f-er-oh-t-ah-er
ToRub-Frictiare	frisar	f-r-e-s-ah-er
ToWash	laßar-	l-ah-bb-ah-er
ToWipe-Extergere	e-starsir-	ay-s-t-ah-er-s-e-er
ToWipe-Exsucare	enx-ug-ar-	ay-n-xha-u-g-ah-er
ToWipe-Limpidare	limpj-ar-	l-e-m-p-jg-ah-er
ToPull	tirar-	t-e-er-ah-er
ToPull-Pulsare	pu-xar-	p-u-xha-ah-er
ToThrow	-e-ſjar	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-ſjo-	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-ſjo-	m-ah-VdPalatalNasal-oh
Big-Grandem	grande-	g-er-ah-n-d-ay
Long-Longum	lo-ngo-	l-oh-n-j-oh
Long-Largum	laryo-	l-ah-er-juh-oh
Wide	lato-	l-ah-t-oh
Wide-Amplum	anf-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--ſjo-	ay-s-t-er-ay-ts-oh

Appendix 4 - Word Lists by Language

Thin	menu-do-	m-ay-n-u-d-oh
Thin-Delicatus	del-yaðo-	d-ay-l-juh-ah-dd-oh
Thin-Subtilis	su-til--	s-u-t-e-l
Right-Dextrem	dje-stro-	d-jg-ay-s-t-er-oh
Right-Directum	der-e-ſſo-	d-ay-er-ay-ts-oh
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	sɔʃf-o-	s-euh-ts-oh
Mother	ma:dre-	m-A-d-r-ay
Father	pa:dre	p-A-d-r-ay
Father-Tata	tata	t-ah-t-ah
Animal-Bestia	biʃʃ-a	b-e-shh-shh-ah
Fish-Piskem	peʃʃe-	p-ay-shh-shh-ay
Bird-Avicellum	--u-tʃʃ-ello-	u-t-ts-ch-l-l-oh
Bird-Passerem	passero-	p-ah-s-s-ay-r-oh
Louse	p-idɔkkjo-	p-e-d-euh-k-k-jg-oh
Snake	s-erp-ente-	s-ay-r-p-ay-n-t-ay
Snake-Serpens	s-erpe--	s-ch-r-p-ay
Worm	verme-	v-ay-r-m-ay
Tree	albero-	ah-l-b-ay-er-oh
Forest	selva	s-ay-l-v-ah

Appendix 4 - Word Lists by Language

Stick	palo-	p-ah-l-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	nariŋe	n-ah-r-e-ts-ay
Mouth	bokka	b-oh-k-k-ah
Wing	ala	ah-l-ah
Sun	sole-	s-oh-l-ay
Moon	luna	l-u-n-ah
Star	-st-ella	s-t-ay-l-l-ah
Water	akkwa	ah-k-k-w-ah
Rain	pjoddʒ-a	p-jg-oh-d-VdPalatoAlveolarSibilant-ah
River	fjume-	f-jg-u-m-ay
River-Rivus	ri-o-	r-e-oh
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	tɛ:nebre	t-Eh-n-ay-b-r-ay
Fog-Tenebras	t-ɛ:n-ebre-	t-Eh-n-ay-b-r-ay
Fog-Fumata	fuma:ta	f-u-m-A-t-ah
Sky	'ʃf-elo-	ts-eh-l-oh
Wind	'v-ento-	v-eh-n-t-oh
Ice	dʒelo	VdPalatoAlveolarSibilant-eh-l-oh
Smoke	fumo-	f-u-m-oh
Fire-Focus	fwoko-	f-w-euh-k-oh
Year	anno-	ah-n-n-oh
Name-Nomen	no:me-	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	utʃidere	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-ʎa:re	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-ch-n-d-ay-r-ay

Appendix 4 - Word Lists by Language

ToSplit-Partire	partire	p-ah-r-t-e-r-ay
ToSplit-Separare	separare	s-ay-p-ah-r-ah-r-ay
ToStab	p-undgere	p-u-n-VdPalatoAlveolarSibilant-ay-r-ay
ToStab-Iugulare	jugula:re	jg-u-j-u-l-A-r-ay
ToScratch	radere	r-ah-d-ay-r-ay
ToScratch-Rasare	rasare	r-ah-s-ah-r-ay
ToDig-Cavare	kavare	k-ah-v-ah-r-ay
ToDig-Excavare	--skavare	s-k-ah-v-ah-r-ay
ToSwim	nwotare	n-w-oh-t-ah-er-ay
ToSwim-Navigare	navigare	n-ah-v-e-g-ah-r-ay
ToFly	volare	v-oh-l-ah-er-ay
ToFly-Exvolare	zvolare	zz-v-oh-l-ah-er-ay
ToWalk	kamminare	k-ah-m-m-e-n-ah-er-ay
ToWalk-Mergere	merdgere	m-eh-r-VdPalatoAlveolarSibilant-ay-r-ay
ToWalk-Ambitare	and--are	ah-n-d-ah-r-ay
ToCome	venire	v-ay-n-e-er-ay
ToLieAsInABed	e-stendere	ay-s-t-eh-n-d-ay-r-ay
ToLieAsInABed-lacere	dʒa-ʃe:re	VdPalatoAlveolarSibilant-ah-ts-ai-er-ay
ToSit	s-edere	s-ay-d-ay-r-ay
ToStand	-stare	s-t-ah-r-ay
ToStand-Levare	levare	l-ay-v-ah-r-ay
ToStand-Altiare	-altsare	ah-l-VlAlveolarSibilantAffricate-ah-r-ay
ToTurnIntransitive	tornare	t-oh-r-n-ah-r-ay
ToTurnIntransitive-Gyrate	dʒirare	VdPalatoAlveolarSibilant-e-r-ah-er-ay
ToTurnIntransitive-AncestralClass3	virare	v-e-r-ah-er-ay
ToTurnIntransitive-Torquere	tɔrfere	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	-strindgere	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	terdgere	t-eh-r-VdPalatoAlveolarSibilant-ay-r-ay
ToWipe-Exsucare	aʃ-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	impindgere	e-m-p-e-n-VdPalatoAlveolarSibilant-ay-r-ay
ToThrow	dʒettare	VdPalatoAlveolarSibilant-ay-t-t-ah-r-ay
ToThrow-Lanceare	lanʃare	l-ah-n-ts-ah-r-ay
ToThrow-Eruncare	arrontʃare	ah-r-r-oh-n-ts-ah-r-ay
ToTie	legare	l-ay-g-ah-r-ay
ToSew	ku--ʃf-ire	k-u-ts-e-r-ay
ToCount	kon--tare	k-oh-n-t-ah-r-ay
ToCount-Enumerare	enumerare	ay-n-u-m-ay-r-ah-r-ay
ToSay	di--re	d-e-r-ay
ToSay-Exponere	--spor-re	s-p-oh-r-r-ay
ToSing-AncestralClass	kantare	k-ah-n-t-ah-r-ay
ToPlay-Jiocare	dʒo-kare	VdPalatoAlveolarSibilant-oh-k-ah-r-ay
ToFloat	fluttuare	f-l-u-t-t-u-ah-r-ay
ToFloat-Fluitare	fluitare	f-l-u-e-t-ah-r-ay
ToFlow	fluire	f-l-u-e-r-ay
ToFlow-Colare	kolare	k-oh-l-ah-r-ay
ToFlow-Excurrere	--skorrere	s-k-oh-r-r-ay-r-ay
ToFlow-Currere	korrere	k-oh-r-r-ay-r-ay

Appendix 4 - Word Lists by Language

ToFreeze	dzelare	VdPalatoAlveolarSibilant-ay-l-ah-r-ay
ToFreeze-Glaciare	gɟatɟjare	g-jg-ah-t-ts-jg-ah-r-ay
ToBurn-Brojan	brutɟare	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	inɟɛndjare	e-n-ts-eh-n-d-jg-ah-r-ay
ToBurn-AncestralClass8	ustolare	u-s-t-oh-l-ah-r-ay
All	opɟi-	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	mapɟo-	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	pitɟino-	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
Right-Dextrem	d-ɛ-stro-	d-eh-s-t-r-oh
Right-Directum	destra	d-eh-s-t-r-ah
Red	rub-ro	r-u-b-r-oh
Red-Russus	rosso-	r-oh-s-s-oh
Red-Vermiculus	vermiʎ-ʎo-	v-ay-r-m-e-yuh-yuh-oh
Red-Rubeus	rɔbbjo-	r-euh-b-b-jg-oh
Green	ver-de-	v-ay-r-d-ay
One	'uno-	u-n-oh
Two-Duae	du-e	d-u-ay
Three	'tr-e-	t-r-ay
Four	kwatt--ro	k-w-ah-t-t-r-oh
Five	'ɟɟɟkwe	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

Appendix 4 - Word Lists by Language

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	vos-e-	v-oh-s-ay
Woman	fɛ-me---ɐ	f-ay-m-ay-ahh
Woman-Mulier	muʎ-ɛɤ--	m-u-yuh-ay-rr
Woman-Domina	do--nɐ	d-oh-n-ahh
ManHumanBeing	omɛj̃---	oh-m-nasal_diphthong_portuguese1
Child	ĩ-fɛ-ʎĩ-	een-f-ahn-ts-e
Child-Ninnus	nenɛj̃	n-ay-n-nasal_diphthong_portuguese1
Wife	ispo-za	e-s-p-oh-zz-ah
Wife-Mulier	muʎ-ɛɤ-	m-u-yuh-ay-rr
Husband	maridu-	m-ah-er-e-d-u
Husband-Sponsus	ispo-zu-	e-s-p-oh-zz-u
Mother	mɐj̃---	m-nasal_diphthong_portuguese2
Father	paj̃---	p-aj_diphthong
Father-Tata	tata	t-ah-t-ah
Animal-Bestia	bi-f-ɐ	b-e-shh-ahh
Fish-Piskem	pej̃f-i-	p-ej_diphthong-shh-e
Bird-Avem	avi-	ah-v-e
Bird-Passerem	pa-sɐru-	p-ah-s-ahh-er-u
Louse	p-i-o-ʎu-	p-e-oh-yuh-u
Snake	s-ɛɤp-ɛ-ʎĩ-	s-ay-rr-p-ehn-ts-e
Worm	vɛɤmi-	v-ay-rr-m-e
Tree	akvori-	ah-rr-v-oh-er-e
Forest	sɛwva	s-eh-w-v-ah
Stick	paw--	p-ah-w
Fruit	fru--tɐ-	f-er-u-t-ahh
Flower	floɤ--	f-l-oh-rr
Nose-Nares	naris-	n-ah-er-e-s
Mouth	bo-kɐ	b-oh-k-ahh
Wing	a--	ah
Sun	sɔw--	s-euh-w
Moon	lu-ɐ	l-u-ahh
Star	istre-lɐ	e-s-t-er-ay-l-ahh
Water	'a-gwɐ	ah-g-w-ahh
Rain	ʃ-u-v-ɐ	shh-u-v-ahh
River	flumi	f-l-u-m-e
River-Rivus	ɤi-w-	rr-e-w
Lake	lagu-	l-ah-g-u
Sea	maɤ-	m-ah-rr
Salt	saw--	s-ah-w
Earth	't-e-ɤɐ	t-ay-rr-ahh
Fog	kalizɛj̃---	k-ah-l-e-gzah-nasal_diphthong_portuguese1
Fog-Nebula	n-ɛ-vw-ɐ	n-eh-v-w-ahh
Fog-Fumata	fumase	f-u-m-ah-s-ahh
Sky	s-ɛw--	s-eh-w
Wind	'v-ɛ-tu-	v-ehn-t-u
Smoke	fumu-	f-u-m-u
Fire-Focus	f-ogu-	f-oh-g-u
Year	ɐ-nu-	ahh-n-u
Name-Nomen	nomi-	n-oh-m-e

Appendix 4 - Word Lists by Language

ToTongue	'lĩ-gwɛ	l-eeɲ-g-w-ahh
ToDrink	beb-ɛk-	b-ay-b-ay-rr
ToEat	kome---	k-oh-m-ay
ToEat-Manducare	mẽ-ʒ--ak-	m-ahn-gzah-ah-rr
ToBite	m-oxdek-	m-oh-rr-d-ay-rr
ToBite-Morsicare	mu-səga--	m-u-s-aah-g-ah
ToSuck	sugak-	s-u-g-ah-rr
ToSpit	ku-spiɔ	k-u-s-p-e-rr
ToKnow-Sapere	sab-ɛk-	s-ah-b-ay-rr
ToKnow-Cognoscere	ko-ɲes-ɛk-	k-oh-VdPalatalNasal-ay-s-ay-rr
ToThink	k-uʒitaɔ-	k-u-gzah-e-t-ah-rr
ToThink-Pensare	pẽ-sak-	p-ehn-s-ah-rr
ToFear	temek-	t-ay-m-ay-rr
ToFear-Tremere	trem-ɛk-	t-er-ay-m-ay-rr
ToSleep	d-oxmiɔ-	d-oh-rr-m-e-rr
ToLive	vivek-	v-e-v-ay-rr
ToDie	moɔek-	m-oh-rr-ay-rr
ToKill-Mactare	ma-tak-	m-ah-t-ah-rr
ToFight-Battuere	ba-t-ɛk-	b-ah-t-ay-rr
ToHunt-Captiare	ka-s-ak-	k-ah-s-ah-rr
ToHit	pu-ʃak-	p-u-shh-ah-rr
ToCut	s-egak-	s-ay-g-ah-rr
ToCut-Curtare	koɔtak-	k-oh-rr-t-ah-rr
ToCut-Taliare	ta-ʎ-ak-	t-ah-yuh-ah-rr
ToSplit	ɖʒividʒiɔ-	VdPalatoAlveolarSibilant-e-v-e-VdPalatoAlveolarSibilant-e-rr
ToSplit-Findere	fẽ-dek-	f-ehn-d-ay-rr
ToSplit-Partire	paɔʃiɔ-	p-ah-rr-ts-e-rr
ToSplit-Separare	separaɔ-	s-ay-p-ah-er-ah-rr
ToStab	p-ũ-ʒiɔ-	p-ooo-gzah-e-rr
ToScratch	ka-ɛk-	rr-ah-ay-rr
ToScratch-Rasare	kaɔak-	rr-ah-zz-ah-rr
ToScratch-Rasicare	kaʃkaɔ	rr-ah-shh-k-ah-rr
ToScratch-Coctiare	kosaɔ	k-oh-s-ah-VdRetroflexApproximant
ToDig-Cavare	kevaɔ	k-ahh-v-ah-rr
ToDig-Excavare	i-ʃkevaɔ-	e-shh-k-ahh-v-ah-rr
ToSwim	n-adaɔ-	n-ah-d-ah-rr
ToSwim-Navigare	naviɔaɔ-	n-ah-v-eee-juh-ah-rr
ToFly	vo-ak-	v-oh-ah-rr
ToWalk	keɲipaɔ-	k-ahh-m-e-VdPalatalNasal-ah-rr
ToWalk-Ambitare	ẽ-d--ak-	ahn-d-ah-rr
ToCome	v--iɔ-	v-e-rr
ToLieAsInABed	istẽ-dek-	e-s-t-ehn-d-ay-rr
ToLieAsInABed-lacere	ʒɛ-zeɔ-	gzah-ahh-zz-ay-rr
ToSit	s-e--ɔ-	s-ay-rr
ToSit-Sedentare	sẽ---taɔ-	s-ehn-t-ah-er
ToStand	iʃtaɔ-	eee-shh-t-ah-er
ToStand-Levare	levaɔ-	l-ay-v-ah-rr
ToStand-Altiare	-aʃs-a--	ah-ssha-s-ah
ToTurnIntransitive	toɲnaɔ-	t-oh-rr-n-ah-rr
ToTurnIntransitive-Gyrare	ʒiraɔ-	gzah-e-er-ah-er
ToTurnIntransitive-AncestralClass3	viɔaɔ-	v-e-er-ah-er
ToTurnIntransitive-Torquere	turser-	t-u-r-s-ay-r
ToFall	k-ɐ-iɔ-	k-ahh-e-er
ToFall-Tumbare	tõ-baɔ	t-on-b-ah-rr
ToHold	te---ɔ-	t-ay-rr
ToHold-Segurar	siguraɔ	s-eee-g-u-er-ah-rr
ToSqueeze	i-ʃpɔɔm-ɛk-	e-shh-p-r-aah-m-ay-rr

Appendix 4 - Word Lists by Language

ToSqueeze-Serrere	se-ka--	s-ay-rr-ah
ToSqueeze-Serare	si-ka-	s-eee-rr-ah-er
ToSqueeze-Appetore	e-pi-r-tar-	ahh-p-eee-er-t-ah-er
ToSqueeze-Stringere	əftri-zir-	aah-shh-t-r-eeen-gzah-e-r
ToRub-Exfricare	iffrigar	eee-shh-f-er-eee-g-ah-er
ToWash	levar-	l-ahh-v-ah-er
ToWipe-Exsucare	ē-f-ug-ar-	ehn-shh-u-g-ah-er
ToWipe-Limpidare	li-p--ar-	l-eeen-p-ah-er
ToPull	fira--	ts-e-er-ah
ToPull-Pulsare	pu-far-	p-u-shh-ah-er
ToPull-Trahere	traze--	t-er-ah-zz-ay
ToThrow	zejtar	gzah-ej_diphthong-t-ah-er
ToThrow-Lanceare	le-s-a--	l-ahn-s-ah
ToTie-Aptare	e-tar-	ahh-t-ah-er
ToSew	ku--z-er-	k-u-zz-ay-er
ToCount	kō---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	kē-tar-	k-ahn-t-ah-er
ToPlay-Jiocare	zo-gak-	gzah-oh-g-ah-rr
ToFloat	flu-tuak-	f-l-u-t-u-ah-rr
ToFlow	flwik-	f-l-w-e-rr
ToFlow-Colare	ko-ak-	k-oh-ah-rr
ToFlow-Excurrere	i-fko-kek-	e-shh-k-oh-rr-ay-rr
ToFlow-Currere	ko-kek-	k-oh-rr-ay-rr
ToFreeze	zilar-	gzah-eee-l-ah-er
ToBurn-Cremare	k-εjmare	k-diphthong_portuguese-m-ah-er-ay
ToBurn-Ardere	akdek-	ah-rr-d-ay-rr
ToBurn-Flagrare	flaggak-	f-l-ah-j-rr-ah-rr
ToBurn-Incendere	i-sendɟiar-	een-s-ay-n-VdPalatoAlveolarSibilant-NearCloseFrontUnrounded-ah-er
All-Totus	to-du-	t-oh-d-u
Many	mũj-tu	m-ooo-jn-t-u
Many-Tantus	tē-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	grē-dɟi-	g-er-ahn-VdPalatoAlveolarSibilant-e
Long-Longum	lō-gu-	l-on-g-u
Long-Largum	lakgu-	l-ah-rr-g-u
Wide	latu-	l-ah-t-u
Wide-Amplum	ē-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	kuktu-	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-fjw--	s-u-ts-e-w
Right-Dextrem	d-ε-stru-	d-eh-s-t-er-u
Right-Directum	dir-εj-tē-	d-e-er-diphthong_portuguese-t-ahh
Red-Russus	ko-fu-	rr-oh-shh-NearCloseBackRounded
Red-Vermiculus	vekme--lu-	v-ay-rr-m-ay-yuh-u

Appendix 4 - Word Lists by Language

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-øj_diphthong-s
Two-Duas	dues	d-u-ahh-s
Three	tr-es	t-er-ay-s
Four	kwa-t--ru	k-w-ah-t-er-u
Five	'sĩ-k-u	s-een-k-u
Here	-a-k---i-	ah-k-e
There	--la-	l-ah
There-Adlbi	ai	ah-e
Who-Quem	k-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

Portuguese

Cognate	IPA	Sounds
I	-e-w	ay-w
We	nɔ-ʃ	n-euh-shh
YouPlural	vo-ʃ	v-oh-shh
YouSingular	tu	t-u
YouSingular-VostramMercedem	vɔs-e-	v-euh-s-ay
Woman	'fe-mj---ɐ	f-ay-m-jg-ahh
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-fɐ-ti-	een-f-ahn-t-eee
Child-Ninnus	nenẽj	n-ay-n-nasal_diphthong_portuguese1
Wife	ifpo-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	ifpo-zu-	eee-shh-p-oh-zz-u
Mother	mẽj----	m-nasal_diphthong_portuguese2
Father	paj---	p-aj_diphthong
Father-Tata	tata	t-ah-t-ah
Animal-Bestia	bi-f-ɐ	b-e-shh-ahh
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
Louse	p-i-o-ʎu-	p-e-oh-yuh-u
Snake	s-irp-ẽ-ti-	s-eee-er-p-ehn-t-eee
Worm	vermi-	v-ay-er-m-eee
Tree	arvuri-	ah-er-v-u-er-eee
Forest	sɛʎɐ	s-ch-ssha-v-ahh
Stick	paw--	p-ah-w
Fruit	fru--tɐ-	f-er-u-t-ahh
Flower	flor--	f-l-oh-er
Nose-Nares	nɐrijf-	n-ahh-er-e-shh
Mouth	bo-kɐ	b-oh-k-ahh
Wing	a--	ah
Sun	sɔʎ--	s-euh-ssha

Appendix 4 - Word Lists by Language

Moon	lu-ø	l-u-ahh
Star	iftre-lø	eee-shh-t-er-ay-l-ahh
Water	'a-gwø	ah-g-w-ahh
Rain	f-u-v-ø	shh-u-v-ahh
River	flumi-	f-l-u-m-eee
River-Rivus	xi-u-	rr-e-u
Lake	layu-	l-ah-juh-u
Sea	mar-	m-ah-er
Salt	sal--	s-ah-l
Earth	't-ε-κø	t-eh-rr-ahh
Fog	køliʒej---	k-ahh-l-e-gzah-nasal_diphthong_portuguese2
Fog-Nebula	n-ε-vw-ø	n-eh-v-w-ahh
Fog-Tenebras	tr---εv-εf	t-er-eh-v-ahh-shh
Fog-Fumata	fumasø	f-u-m-ah-s-ahh
Sky	s-εw--	s-eh-w
Wind	'v-ē-tu-	v-ehn-t-u
Smoke	fumu-	f-u-m-u
Fire-Focus	f-oγu-	f-oh-juh-u
Year	ø-nu-	ahh-n-u
Name-Nomen	nomi-	n-oh-m-eee
Tongue	'li-gwø	l-een-g-w-ahh
ToDrink	biß-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
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-pis-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	mø-tar-	m-ahh-t-ah-er
ToFight-Battuere	bø-t-er-	b-ahh-t-ay-er
ToHunt-Captiare	kø-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	tø-ʕ-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	pertir-	p-ahh-er-t-e-er
ToSplit-Separare	sipərar-	s-eee-p-ahh-er-ah-er
ToStab	p-ü-ʒir-	p-ooo-gzah-e-er
ToScratch	κø-er-	rr-ahh-ay-er
ToScratch-Rasare	κøzar-	rr-ahh-zz-ah-er
ToScratch-Rasicare	κøʃkar	rr-ahh-shh-k-ah-er
ToScratch-Coctiare	kusar	k-u-s-ah-er
ToDig-Cavare	køvar	k-ahh-v-ah-er
ToDig-Excavare	i-ʃkøvar-	e-shh-k-ahh-v-ah-er
ToSwim	n-øðar-	n-ahh-dd-ah-er
ToSwim-Navigare	nevīyar-	n-ahh-v-eee-juh-ah-er

Appendix 4 - Word Lists by Language

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	iftẽ-der-	e-shh-t-ehn-d-ay-er
ToLieAsInABed-lacere	zɐ-zer-	gzah-ahh-zz-ay-er
ToSit	s-e--r-	s-ay-er
ToSit-Sedentare	sẽ---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-AncestralClass3	zirar-	gzah-e-er-ah-er
ToTurnIntransitive-Torquere	turser-	t-u-r-s-ay-r
ToFall	k-ɐ-ir-	k-ahh-e-er
ToFall-Tumbare	tõ-bar	t-on-b-ah-er
ToHold	te---r-	t-ay-er
ToHold-Segurar	siɣurar	s-eee-juh-u-er-ah-er
ToSqueeze	i-ʃprəm-er-	e-shh-p-r-aah-m-ay-r
ToSqueeze-Serrere	sə-rar-	s-aah-VIUvularTrill-ah-er
ToSqueeze-Serare	si-ɣar-	s-eee-rr-ah-er
ToSqueeze-Appetorare	ɐ-pi-r-tar-	ahh-p-eee-er-t-ah-er
ToSqueeze-Stringere	ɔʃtrĩɣir-	aah-shh-t-r-een-gzah-e-r
ToRub-Exfricare	iffriyar	eee-shh-f-er-eee-juh-ah-er
ToWash	lɐvar-	l-ahh-v-ah-er
ToWipe-Exsucare	ẽ-f-uɣ-ar-	ehn-shh-u-juh-ah-er
ToWipe-Limpidare	li-p--ar-	l-een-p-ah-er
ToPull	tirar-	t-e-er-ah-er
ToPull-Pulsare	pu-ɣar-	p-u-shh-ah-er
ToPull-Trahere	trɛzer-	t-er-ahh-zz-ay-er
ToThrow	zejt̪ar	gzah-ej_diphthong-t-ah-er
ToThrow-Lanceare	lɐ-s-ar-	l-ahn-s-ah-er
ToTie-Aptare	ɐ-tar-	ahh-t-ah-er
ToSew	ku--z-er-	k-u-zz-ay-er
ToCount	kõ---tar-	k-on-t-ah-er
ToCount-Enumerare	enumerar-	ay-n-u-m-ay-er-ah-er
ToSay	diz-er	d-e-zz-ay-er
ToSing-AncestralClass	kɐ-tar-	k-ahn-t-ah-er
ToPlay-Jiocare	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-ɣer-	k-u-rr-ay-er
ToFreeze	zilar-	gzah-eee-l-ah-er
ToBurn-Cremare	k-ejmaɣe	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-õu-	t-oh-dd-u
Many	mũj̃-tu	m-ooo-jn-t-u
Many-Tantus	tɐ-tu-	t-ahn-t-u
Some	atqũ--	ah-ssha-g-ooo
Few	powku	p-oh-w-k-u
Other	owt-ru	oh-w-t-er-u
Other-Alius	at---	ah-ssha

Appendix 4 - Word Lists by Language

Big-Grandem	gr̥-di-	g-er-ahn-d-eee
Long-Longum	lō-gu-	l-on-g-u
Long-Largum	lardu-	l-ah-er-g-u
Wide	latu-	l-ah-t-u
Wide-Amplum	ẽ-f-u-	ahn-shh-u
Heavy	gravi-	g-er-ah-v-eee
Heavy-Lurdus	lerdo-	l-ay-er-d-oh
Heavy-Pesant	piza-đu	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	ĩftr-ẽj--tu-	eee-shh-t-er-diphthong_portuguese-t-u
Thin	mi-u-đu-	m-e-u-dd-u
Thin-Delicatus	deł-yađu-	d-eh-ssha-juh-ah-dd-u
Thin-Subtilis	su-ŋi w--	s-u-ts-e-w
Right-Dextrem	d-ẽ-ftr-u-	d-eh-shh-t-er-u
Right-Directum	dir-ẽj-tẽ-	d-e-r-diphthong_portuguese-t-ahh
Red-Russus	ko-fu-	rr-oh-shh-u
Red-Vermiculus	virmeĩ--lu-	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-oj̃f	d-oj_diphthong-shh
Two-Duas	duẽf̃	d-u-ahh-shh
Three	tr-ẽf̃	t-er-ay-shh
Four	kwa-t--ru	k-w-ah-t-er-u
Five	'sĩ-k-u	s-een-k-u
Here	-ẽ-k---i-	ahh-k-e
There	--la-	l-ah
There-Adlbi	ẽi	ahh-e
Who-Quem	k-ẽj̃--	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	nẽw̃	n-au_diphthong_nasal
Not-Nec	nẽj̃	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-VostramMercedem	voste-	v-oh-s-t-ay
Woman	fe-m-br-a	f-ay-m-b-er-ah
Woman-Mulier	muł-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	muł-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
Father	pa-rə	p-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-ʎ--	u-s-ay-yuh
Louse	p-o--ʎ--	p-oh-yuh
Snake	s-ərp-en--	s-aah-r-p-ay-n
Snake-Serpens	s-erp--	s-ay-er-p
Worm	vɛrm--	v-eh-er-m
Tree	a-b-rə-	ah-b-er-aah
Forest	selba	s-ay-l-b-ah
Stick	pal--	p-ah-l
Fruit	fruj-t--	f-er-u-jg-t
Flower	flə---	f-l-euh
Nose	nas	n-ah-s
Nose-Nares	na:ris-	n-A-r-NearCloseFrontUnrounded-s
Mouth	bo-kə	b-oh-k-aah
Wing	alə	ah-l-aah
Sun	səl--	s-euh-l
Moon	ʎunə	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
River-Rivus	ri-w-	r-e-w
Lake	ʎak--	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-ebɾəs	t-aah-n-ay-b-er-aah-s
Sky	s-ɛl--	s-eh-l
Wind	b-en---	b-ay-n
Ice	ʒɛt-	gzah-eh-ssha
Smoke	fum--	f-u-m
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	məɲʒ--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	səp-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-ʎ-a--	t-aah-yuh-ah
ToSplit	dibidi--	d-e-b-e-d-e
ToSplit-Findere	fend-rə	f-eh-n-d-er-aah

Appendix 4 - Word Lists by Language

ToSplit-Partire	pərti--	p-aah-r-t-e
ToSplit-Separare	səpəra--	s-aah-p-aah-er-ah
ToStab	p-up-i--	p-u-VdPalatalNasal-e
ToScratch	raw-rə	r-ah-w-er-aah
ToScratch-Rasare	rəza--	r-aah-zz-ah
ToScratch-Rasicare	rəska-	r-aah-s-k-ah
ToDig-Cavare	kəba	k-aah-b-ah
ToSwim	n-əda--	n-aah-d-ah
ToSwim-Navigare	nəbəga--	n-aah-b-aah-g-ah
ToFly	bula--	b-u-l-ah
ToWalk	kəmina--	k-aah-m-e-n-ah
ToCome	bəni--	b-aah-n-e
ToLieAsInABed	ə-stend-rə	aah-s-t-ay-n-d-er-aah
ToLieAsInABed-lacere	zaw--rə	gzah-ah-w-er-aah
ToStand	əsta--	aah-s-t-ah
ToStand-Levare	ləba--	yuh-aah-b-ah
ToStand-Altiare	-əls-a--	aah-l-s-ah
ToTurnIntransitive	turna-	t-u-r-n-ah
ToTurnIntransitive-Gyrare	zira--	gzah-e-er-ah
ToTurnIntransitive-AncestralClass3	bira--	b-e-er-ah
ToTurnIntransitive-Torquere	tərsə--	t-euh-r-s-aah
ToFall	k-aw-rə	k-ah-w-r-aah
ToFall-Tumbare	tumba-	t-u-m-b-ah
ToHold	tən-i--	t-aah-n-e
ToSqueeze	ə-sprem-ə--	aah-s-p-er-ay-m-aah
ToSqueeze-Serrere	sə-ra--	s-aah-r-ah
ToSqueeze-Stringere	əstreŋə	aah-s-t-er-eh-VdPalatalNasal-aah
ToRub	frəga--	f-er-aah-g-ah
ToRub-Frictiare	frəsa-	f-er-aah-s-ah
ToWash	ləba--	yuh-aah-b-ah
ToWipe-Extergere	ə-stəŋi--	aah-s-t-aah-r-gzah-e
ToWipe-Exsucare	ə-f-uga--	aah-shh-u-g-ah
ToPull	tira--	t-e-er-ah
ToPull-Trahere	tɾew-rə	t-er-eh-w-er-aah
ToPush	əmpɛŋ-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	kula--	k-u-ssha-ah
ToFlow-Excurrere	ə-sko-rə--	aah-s-k-oh-r-aah
ToFlow-Currere	ko-rə--	k-oh-r-aah
ToFreeze	zəla--	gzah-aah-l-ah
ToFreeze-Glaciare	glə-s-a--	g-l-aah-s-ah
ToBurn-Cremare	krəma--	k-r-aah-m-ah
ToBurn-Flammare	flama--	f-ssha-ah-m-ah
ToBurn-Incendere	ənsend--rə	aah-n-s-ay-n-d-er-aah
All-Totus	to-t--	t-oh-t
Many	mol---	m-oh-l
Many-Tantus	tant--	t-ah-n-t

Appendix 4 - Word Lists by Language

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-ε--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
Right-Dextrem	d-e-strə-	d-ay-s-t-er-aah
Right-Directum	dræt	d-er-eh-t
Red-Russus	ro-s--	r-oh-s
Red-Vermiculus	bərmε--λ--	b-aah-r-m-ch-yuh
Red-Rubeus	ru-dʒe--	r-u-VdPalatoAlveolarSibilant-ay
Green	vēr-t--	v-eh-er-t
One	'un--	u-n
Two-Duos	d-os	d-oh-s
Three	'tr-εs	t-r-eh-s
Four	kwa-t--rə	k-w-ah-t-er-aah
Five	'sɪŋk--	s-e-nya-k
Here	-a-k---i-	ah-k-e
There	ə-λa-	aah-yuh-ah
Who-Qui	k-i-	k-e
What	k-ε-	k-eh
When-Quando	kwan	k-w-ah-n
How-Quomodo	kɔm---	k-euh-m
Not	no-	n-oh
Not-Nec	ni-	n-e
And-Et	i-	e

Walloon

Cognate	IPA	Sounds
I	dʒɪ--	VdPalatoAlveolarSibilant-NearCloseFrontUnrounded
We	no--	n-oh
YouPlural	vo-s	v-oh-s
YouSingular	ty	t-eeh
Woman	fæ-m-----	f-OpenMidNearFrontRounded-m
Woman-Domina	dæm---	d-OpenMidNearFrontRounded-m
ManHumanBeing	-ɔm----	euh-m
Child	ε-fǣ---	eh-f-NasalA
Mother	me-r--	m-ay-VIUvularTrill
Father	pɛ:-r-	p-Eh-r
Fish-Pescion	p-εhō	p-eh-h-on
Bird-Avicellum	--u:-h-ε:----	U-h-Eh
Louse	pju-----	p-jg-u
Snake	sʲɛɤp-ē----	s-jg-eh-rr-p-eh-n
Worm	vʲɛr--	v-jg-eh-VIUvularTrill
Tree	o:-b----	O-b

Appendix 4 - Word Lists by Language

Fruit	fry----	f-VIUvularTrill-eeh
Flower	flø:ʁ--	f-l-o-rr
Nose	ne---	n-ay
Mouth	bøk--	b-euh-k
Wing	el-	ay-l
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:-ʁ--	p-l-U-rr
River-Riparia	rivi:-ʁ--	r-e-v-E-rr
Lake	lak--	l-ah-k
Sea	meʁ-	m-ay-rr
Salt	se---	s-ay
Earth	t-ε:-ʁ-	t-Eh-rr
Sky	s-i:ʁ--	s-E-rr
Wind	v-ē----	v-ehn
Fire-Focus	f-ø:---	f-o
Year	ã----	NasalA
Name-Nomen	nō---	n-on
Tongue	lëu----	l-eu_nasalized_diphthong
ToDrink	b---ø:ʁ-	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-nəh----	k-e-n-euh-h
ToThink-Pensare	pē-se--	p-ehnn-s-ay
ToSleep	dwaʁmi--	d-w-ah-rr-m-e
ToDie	mōri--	m-euh-VIUvularTrill-e
ToKill-Tutari	tuw-e--	t-u-w-ay
ToFight-Battuere	bat-e--	b-ah-t-ay
ToHunt-Captiare	ʃfē-s-i:--	ts-eh-s-E
ToCut-Taliare	tē--ji:--	t-eh-jg-E
ToSplit-Findere	fē-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	nē--dʒi:--	n-eh-VdPalatoAlveolarSibilant-E
ToFly	vole--	v-euh-l-ay
ToWalk	ʃimine--	ts-e-m-e-n-ay
ToWalk-Marcher	ma:Rʃi:	m-A-VIUvularTrill-ts-E
ToCome	vini--	v-e-n-e
ToLieAsInABed-Iacere	dʒe--re	VdPalatoAlveolarSibilant-ay-r-ay
ToStand	εs----	eh-s
ToStand-Levare	løve--	l-aah-v-ay
ToStand-Altiare	hɔ:-s-i:	h-LongOpenMidBackRounded-s-E
ToTurnIntransitive	tu:rne-	t-U-r-n-ay
ToTurnIntransitive-AncestralClass3	vire--	v-e-rr-ay
ToFall	ʃf-ε:--R-	ts-Eh-VIUvularTrill
ToFall-Tumbare	tum-e-	t-u-m-ay
ToHold	tin-i--	t-e-n-e
ToSqueeze-Serare	se-re--	s-eh-VIUvularTrill-ay
ToSqueeze-Stringere	stringe	s-t-r-e-n-j-ay
ToRub	froj----	f-r-oj_diphthong
ToRub-Frictare	fʁote--	f-rr-oh-t-ay
ToWash	lave--	l-ah-v-ay
ToWipe-Exsucare	--s-u-we--	s-u-w-ay
ToPull	tire--	t-e-r-ay

Appendix 4 - Word Lists by Language

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:--ʁ	d-E-rr
ToSing-AncestralClass	ʃũ-te--	ts-NasalA-t-ay
ToPlay-Jiocare	dʒuw-e--	VdPalatoAlveolarSibilant-u-w-ay
ToFlow-Colare	kole--	k-euh-l-ay
ToFreeze	dʒale--	VdPalatoAlveolarSibilant-ah-l-ay
ToBurn-Brojan	bʁu:le--	b-rr-U-l-ay
All-Totus	tɔ----	t-euh
Few	põ---	p-on
Other	õ-t---	on-t
Big-Grandem	gʁũ---	j-rr-NasalA
Long-Longum	lõ-----	l-on
Heavy	grav--	j-r-ah-v
Small	pi-ti---	p-e-t-e
Short	ku:ʁ---	k-U-rr
Short-Brevis	bʁef--	b-rr-ay-f
Narrow-Strictus	-stʁ-ø:-----	s-t-rr-o
Thin	minu----	m-e-n-u
Thin-Subtilis	su:-ti---	s-U-t-e
Right-Directum	drø:t	d-r-o-t
Red-Rubeus	rɔ-ʃf--	r-euh-ts
Green	vɛʁ----	v-eh-rr
One	õ---	on
Two-Duos	d-ø:-	d-o
Three	tr-ø:-	t-r-o
Four	kwa-t----	k-w-ah-t
Five	sẽ-k--	s-ehn-k
There	--la-	l-ah
Who-Qui	k-i:-	k-E
What	kwe:-	k-w-Eh
When-Quando	kwand	k-w-ah-n-d
How-Quomodo	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
Father	pa-ri	p-ah-r-e

Appendix 4 - Word Lists by Language

Animal	nema:l--	n-ay-m-A-l
Animal-Bestia	bis---	b-e-s
Fish-Piskem	pes---	p-eh-s
Bird-Avicellum	--u--ʃʃe-l--	u-ts-jg-eh-l
Louse	p-edo-li-	p-ay-d-oh-l-e
Snake	s-arp-int--	s-ah-r-p-e-n-t
Worm	vjer--	v-jg-eh-r
Tree	arbul--	ah-r-b-u-l
Forest	selve	s-eh-l-v-ay
Stick	pa:l-	p-A-l
Fruit	fru--t--	f-r-u-t
Flower	flo:r--	f-l-O-r
Nose	na:s--	n-A-s
Mouth	bɔ-ce	b-cuh-tya-eh
Wing	ale	ah-l-ay
Sun-Soliculus	sore--li-	s-oh-r-ay-l-e
Moon	lune	l-u-n-ay
Star	-st-ε-le	s-t-eh-l-ay
Water	a-g-e	ah-j-ay
Rain	plo--je	p-l-oh-jg-ay
River	flum	f-l-u-m
Lake	la:t--	l-A-t
Sea	ma:r-	m-A-r
Salt	sa:l--	s-A-l
Earth	tʃe-re	t-jg-eh-r-ay
Fog-Fumata	fumate	f-u-m-ah-t-ay
Sky	ʃʃ-i:l--	ts-E-l
Wind	'v-int--	v-e-n-t
Smoke	fum--	f-u-m
Fire-Focus	f-u:k--	f-U-k
Year	a-ŋ--	ah-nya
Name-Nomen	nɔŋ--	n-cuh-nya
Tongue	'leng-ε	l-eh-n-j-eh
ToDrink	bevi--	b-ay-v-e
ToEat-Manducare	maŋʃ--a:--	m-ah-nya-VdPalatalStop-A
ToBite	mwardi--	m-w-ah-r-d-e
ToSuck	cuca:--	tya-u-tya-A
ToSpit-Sputare	spuda:--	s-p-u-d-A
ToKnow-Sapere	sav-e:--	s-ah-v-ai
ToKnow-Cognoscere	ko-pos-i--	k-oh-VdPalatalNasal-oh-s-e
ToThink-Pensare	peŋsa:--	p-ay-nya-s-A
ToFear	temi--	t-ay-m-e
ToFear-Tremere	trim-a:--	t-r-e-m-A
ToSleep	d-urmi:--	d-u-r-m-E
ToLive	vivi--	v-e-v-e
ToDie	muri:--	m-u-r-E
ToKill-Mactare	maʃʃ-a:--	m-ah-ts-A
ToFight-Battuere	bat-i--	b-ah-t-e
ToHunt-Captiare	ca-ʃʃ-a:--	tya-ah-ts-A
ToHit	pulsa:-	p-u-l-s-A
ToCut	s-e-a:--	s-ay-A
ToCut-Excurtare	--skurta:--	s-k-u-r-t-A
ToCut-Taliare	ta--ja:--	t-ah-jg-A
ToSplit	dividi--	d-e-v-e-d-e
ToSplit-Partire	parti:--	p-ah-r-t-E
ToSplit-Separare	separa:--	s-ay-p-ah-r-A
ToScratch	rada:--	r-ah-d-A

Appendix 4 - Word Lists by Language

ToScratch-Rasare	rasa:--	r-ah-s-A
ToDig-Cavare	java:	VdPalatalStop-ah-v-A
ToDig-Excavare	--zjava:--	zz-VdPalatalStop-ah-v-A
ToSwim	n-ada:--	n-ah-d-A
ToSwim-Navigare	naviga:--	n-ah-v-e-j-A
ToFly-Exvolare	zvola:--	zz-v-oh-l-A
ToWalk	camina:--	tya-ah-m-e-n-A
ToCome	viji:--	v-e-VdPalatalNasal-E
ToLieAsInABed-lacere	je-si:--	jg-ay-s-e
ToSit-Sedentare	se--nta:--	s-ay-n-t-A
ToStand	-sta:--	s-t-A
ToStand-Levare	leva:--	l-ay-v-A
ToStand-Altiare	-altf-a:	ah-l-t-shh-A
ToTurnIntransitive	torna:--	t-oh-r-n-A
ToTurnIntransitive-Gyrate	dgira:--	VdPalatoAlveolarSibilant-e-r-A
ToTurnIntransitive-AncestralClass3	dgira:--	VdPalatoAlveolarSibilant-e-r-A
ToFall	ffjade:--	ts-jg-ah-d-ay
ToHold	tinji:--	t-e-n-jg-e
ToSqueeze	e-sprim-i:--	ay-s-p-r-e-m-e
ToSqueeze-Stringere	strengi:--	s-t-r-eh-n-j-E
ToRub	fre-a:--	f-r-ay-ah
ToWash	lava:--	l-ah-v-A
ToWipe-Exsucare	--s-u-ja:--	s-u-jg-A
ToPull	tira:--	t-e-r-A
ToPull-Pulsare	pulsa:--	p-u-l-s-A
ToPull-Trahere	traj---	t-r-aj_diphthong
ToThrow-Lanceare	lanfja:--	l-ah-n-ts-A
ToTie	le-a:--	l-ay-A
ToSew	ku--zi---	k-u-zz-e
ToCount	kon--ta:--	k-oh-n-t-A
ToSay	di:	d-E
ToSing-AncestralClass	canta:--	tya-ah-n-t-A
ToPlay-Jiocare	dguj-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-f-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-ful:--	p-e-ts-u-l
Short	kurt:--	k-u-r-t
Narrow-Strictus	-str-e--t:--	s-t-r-eh-t
Thin	minu:-t:--	m-e-n-U-t
Thin-Subtilis	su-ti:l:--	s-u-t-E-l
Right-Directum	'dret	d-r-eh-t
Red-Russus	ro-s:--	r-euh-s
Green	ver-t:--	v-eh-r-t
One	uq:--	u-nya
Two-Duos	d-oj-	d-oj_diphthong

Appendix 4 - Word Lists by Language

Three	'tr-e:-	t-r-ai
Four	kwa-t--ri	k-w-ah-t-r-e
Five	'fɪŋk--	ts-e-nya-k
Here	-a-k---i-	ah-k-e
Who-Qui	kwi-	k-w-e
What	ʃf-e-	ts-ay
When-Quando	kwant	k-w-ah-n-t
How-Quomodo	ʃfemu:t-	ts-ay-m-U-t
Not	no-	n-oh
And-Et	e-	ay

Romanian

Cognate	IPA	Sounds
I	je-w	jg-ay-w
We	noj-	n-oj_diphthong
YouPlural	voj-	v-oj_diphthong
YouSingular	tu	t-u
Woman	fe-me--je	f-ay-m-ay-jg-ay
Woman-Mulier	mu-jere-	m-u-jg-ay-r-ay
Woman-Domina	doam-nə	d-midback_diphthong_romanian-m-n-aah
ManHumanBeing	-om----	oh-m
Wife-Mulier	mu-jere	m-u-jg-ay-r-ay
Husband	mərit--	m-aah-r-e-t
Husband-Socius	sots---	s-oh-VIAIveolarSibilantAffricate
Father-Tata	tata	t-ah-t-aah
Animal	-nəma-je	n-aah-m-ah-jg-ay
Fish-Piskem	peʃte-	p-ay-shh-t-ay
Bird-Passerem	pa-səre-	p-ah-s-aah-er-ay
Louse	p-əduk-je-	p-aah-d-u-k-jg-ay
Snake	ʃ-arpe----	shh-ah-er-p-ay
Snake-Serpens	ʃ-arpe--	shh-ah-er-p-ay
Worm	vjerme	v-jg-ay-r-m-ay
Tree	arbore-	ah-r-b-oh-r-ay
Stick	par--	p-ah-er
Fruit	fru-kt--	f-r-u-k-t
Flower	floare-	f-l-midback_diphthong_romanian-er-ay
Nose	nas--	n-ah-s
Mouth	bu-kə	b-u-k-aah
Mouth-Gula	'gurə	j-u-er-aah
Sun	soare-	s-midback_diphthong_romanian-er-ay
Moon	lună	l-u-n-aah
Star	-st-ea---	s-t-midfront_diphthong_romanian
Water	a-p-ə	ah-p-aah
Rain	ploa--je	p-l-midback_diphthong_romanian-jg-ay
River-Rivus	ri-w-	r-eee-w
Lake	lak--	l-ah-k
Sea	mare	m-ah-r-ay
Salt	sare-	s-ah-r-ay
Earth	ts-a-rə	VIAIveolarSibilantAffricate-ah-r-aah
Fog-Nebula	negură	n-ay-g-u-r-aah
Fog-Caecia	ʃeəʃf-ə	ts-midfront_diphthong_romanian-ts-aah
Sky	ʃf-er--	ts-ay-er
Wind	v-int--	v-eee-n-t
Ice	dʒer-	VdPalatoAlveolarSibilant-ay-r
Smoke	fum--	f-u-m

Appendix 4 - Word Lists by Language

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	sudȝe--	s-u-VdPalatoAlveolarSibilant-ay
ToSpit-Exconspuere	-skuĵpa	s-k-u-jg-p-ah
ToKnow	ſti--	shh-t-e
ToKnow-Cognoscere	ku-noaĵte--	k-u-n-midback_diphthong_romanian-shh-t-ay
ToThink	k-udȝeta--	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-ſĵide--	u-ts-e-d-ay
ToFight-Battuere	bat-e--	b-ah-t-ay
ToHit	pulsa--	p-u-l-s-ah
ToCut-Excurtare	--skurta--	s-k-u-r-t-ah
ToCut-Taliare	tə--ja--	t-aah-jg-ah
ToSplit	divide--	d-e-v-e-d-ay
ToSplit-Separare	separa--	s-ay-p-ah-r-ah
ToStab	pundȝe--	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	merȝe--	m-ay-r-VdPalatoAlveolarSibilant-ay
ToCome	veni--	v-ay-n-e
ToLieAsInABed	ekstinde--	ay-k-s-t-e-n-d-ay
ToLieAsInABed-lacere	zə-ſĵea--	zz-aah-ts-midfront_diphthong_romanian
ToSit	ſ-eĵea--	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	toarĵe--	t-midback_diphthong_romanian-r-ts-ay
ToFall	kəĵea--	k-aah-d-midfront_diphthong_romanian
ToHold	tsin-e--	VAlveolarSibilantAffricate-e-n-ay
ToSqueeze	-sk-reme--	s-k-r-ay-m-ay
ToSqueeze-Stringere	strindȝe--	s-t-r-eee-n-VdPalatoAlveolarSibilant-ay
ToRub	freka--	f-r-ay-k-ah
ToWash	la----	l-ah
ToWipe-Extergere	--ſterȝe--	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	tracȝe--	t-r-ah-VdPalatoAlveolarSibilant-ay
ToPush	impindȝe--	eee-m-p-e-n-VdPalatoAlveolarSibilant-ay
ToThrow-Eruncare	a-runĵka	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	ziĵe	zz-e-ts-ay
ToSay-Exponere	--spune	s-p-u-n-ay
ToSing-AncestralClass	kinta--	k-eee-n-t-ah
ToPlay-Jiocare	ȝu-ka--	ȝzah-u-k-ah

Appendix 4 - Word Lists by Language

ToFloat	fluctua--	f-l-u-tya-t-u-ah
ToFlow-Excurrere	--skurdʒe--	s-k-u-er-VdPalatoAlveolarSibilant-ay
ToFlow-Currere	kurdʒe--	k-u-er-VdPalatoAlveolarSibilant-ay
ToFreeze-Inglaciare	ing-ets-a--	eee-n-j-ay-VlAlveolarSibilantAffricate-ah
ToBurn-Ardere	arde--	ah-er-d-ay
ToBurn-Incendere	inʃindʒe--	eee-n-ts-e-n-d-gzah-ay
ToBurn-AncestralClass8	ustura--	u-s-t-u-r-ah
All-Totus	to-t--	t-oh-t
Many	mult--	m-u-l-t
Other	alt---	ah-l-t
Big-Majjorem	ma---re	m-ah-er-ay
Long-Longum	lung--	l-u-n-j
Long-Largum	larg--	l-ah-r-j
Wide	lat--	l-ah-t
Heavy	grew--	j-er-ay-w
Small-Pittinus	pu-tsin--	p-u-VlAlveolarSibilantAffricate-e-n
Narrow	ingust--	eee-nya-j-u-s-t
Narrow-Strictus	-str-im-t--	s-t-r-eee-m-t
Thin	mərunt--	m-aah-r-u-n-t
Thin-Subtilis	subtsire-	s-u-b-VlAlveolarSibilantAffricate-e-r-ay
Right-Directum	drept	d-er-ay-p-t
Red-Russus	ro-fu-	er-oh-shh-u
Red-Rubeus	roj-b---	r-oj_diphthong-b
Green	ver-de-	v-ay-er-d-ay
One	unu-	u-n-u
Two-Duos	d-oj-	d-oj_diphthong
Two-Duae	dowə	d-oh-w-aah
Three	tr-ej-	t-r-ej_diphthong
Four	p-a-t--ru	p-ah-t-r-u
Five	ʃinʃ--	ts-e-n-ts
There	--la-	l-ah
Who-Quem	ʃf-inc	ts-e-n-ay
What	ʃf-e-	ts-ay
When-Quando	k-ind	k-eee-n-d
How-Quomodo	kum---	k-u-m
Not	nu-	n-u
And-Et	e-	ay
And-Si	ʃi-	shh-e

Appendix 5 - Segment Groups

Pulmonic Consonants

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

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

Non-Pulmonic Consonants

Manner	Bilabial	Labio-Dental	Velar	Uvular	Pharyngeal Epiglottal
Ejective, Stop					
Ejective, Fricative					
Ejective, Lateral, Fricative					
Tenuis, Click					
Nasal, Click					
Tenuis, Lateral, Click					
Implosive					

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

Appendix 5 - Segment Groups

Vowels

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

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

Long Vowels

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

Pulmonic Affricates

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

Shaded areas denote articulations judged to be impossible.

Ejective Affricates

Manner	Bilabial	Labio-Dental	Pharyngeal Epiglottal	Glottal
Central				
Lateral				

Shaded areas denote articulations judged to be impossible.

Appendix 5 - Segment Groups

Other Segments

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

Appendix 5 - Segment Groups

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

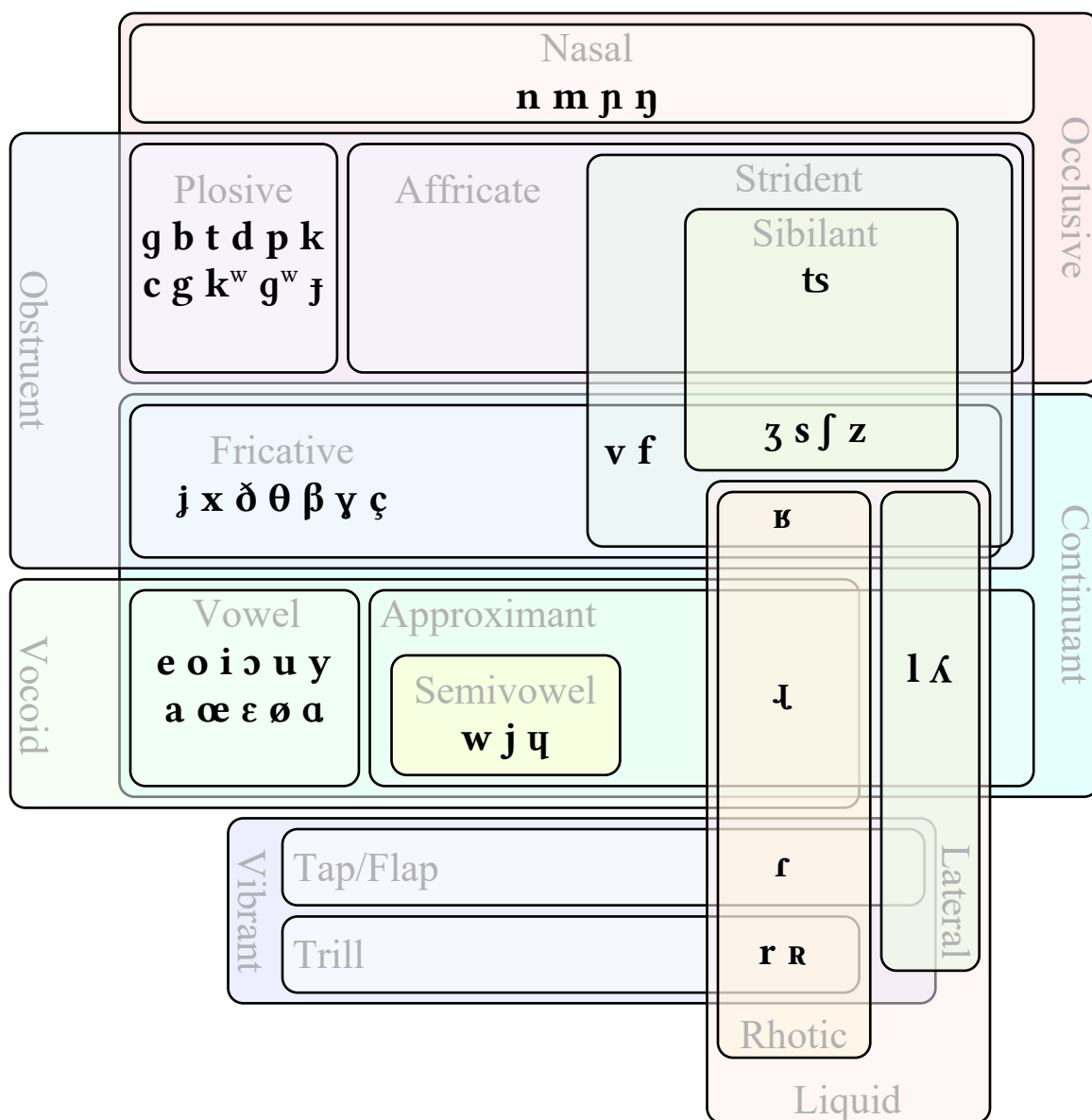
Appendix 5 - Segment Groups

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	ʈʃ
1EBD Close Back Nasal Vowel	03B8 Dental Pulmonic Fricative Obstruent Continuant	03B2 Bilabial Voiced Pulmonic Fricative Obstruent Continuant	02A7 Palato-Alveolar Pulmonic Sibilant Affricate
ts	ɖʒ	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	ɟ	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	ɽ	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
ʎ	ɡ	ʝ	ɛ
0263 Velar Voiced Pulmonic Fricative Obstruent Continuant	0261 Velar Voiced Pulmonic Stop Occlusive	025F Palatal Voiced Pulmonic Stop Occlusive	025B Open-mid Near-Front Vocoid Vowel Continuant
ə	ɔ	ɑ	ɐ
0259 Close-mid Central Vowel	0254 Open-mid Back Rounded Vocoid Vowel Continuant	0251 Open Back Vocoid Vowel Continuant	0250 Near-open Central Rounded Vowel

Appendix 7 - International Phonetic Alphabet

ũ	œ	ŋ	ĩ
0169 Open Back Nasal Vowel	0153 Open-mid Near-Front Rounded Vocoid Vowel Continuant	014B Velar Voiced Pulmonic Nasal Occlusive	0129 Close Front Nasal Vowel
ø	õ	ð	ç
00F8 Close-mid Front Rounded Vocoid Vowel Continuant	00F5 Close-mid Back Rounded Nasal Vowel	00F0 Dental Voiced Pulmonic Fricative Obstruent Continuant	00E7 Palatal Pulmonic Fricative Obstruent Continuant
ʒ	y	x	w
007A Alveolar Voiced Pulmonic Sibilant Fricative Strident Obstruent Continuant	0079 Close Front Rounded Vocoid Vowel Continuant	0078 Velar Pulmonic Fricative Obstruent Continuant	0077 Labial-Velar Vocoid Semivowel Voiced Approximant Continuant
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

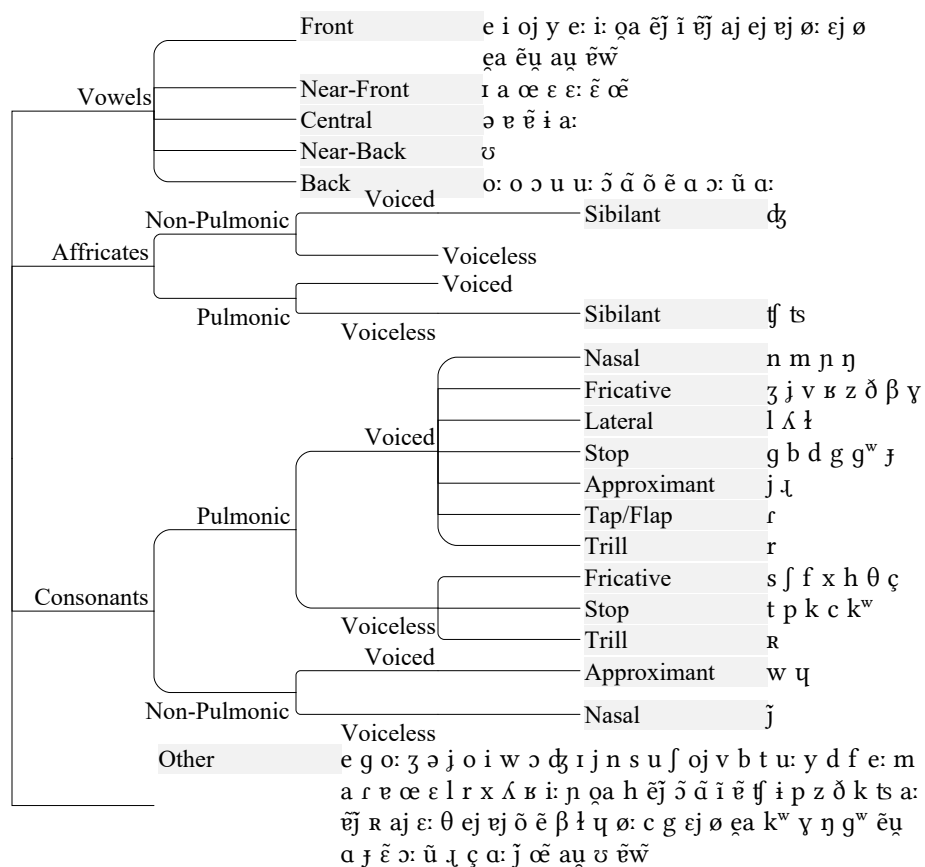
Appendix 7 - International Phonetic Alphabet

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
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	ɐj	œ̃
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
ej	aː	aj	ẽu
0065, 006A Mid Front Vowel Diphthong	0061, 02D0 Open Central Vocoid Long Vowel Continuant	0061, 006A Mid Front Vowel Diphthong	1EBD, 0075, 032F Mid Front Nasal Vowel Diphthong

Appendix 7 - International Phonetic Alphabet

ẽĩ	ɔa	ɛa	au
1EBD, 006A, 0303	006F, 032F, 0061	0065, 032F, 0061	0061, 0075, 032F
Mid Front Nasal Vowel Diphthong	Mid Front Vowel Diphthong	Mid Front Vowel Diphthong	Mid Front Vowel Diphthong
ẽwĩ	ẽĩ		
0250, 0303, 0077, 0303	0250, 0303, 006A, 0303		
Mid Front Nasal Vowel Diphthong	Mid Front Nasal Vowel Diphthong		

Appendix 8 - Feature Tree



Appendix 9 - Diacritics

Diacritics

	Undefined escape character	~	Nasalized	..	Centralized
+	Advanced	-	Retracted	˘	RisingTone
◦	Voiceless		Implosive	˙	Syllabic
ˈ	Ejective	ʕ	Pharyngealized	ˆ	Falling tone
˘	Non-syllabic	˘	No audible release	ˆ	Rhotic hook
˘	Advanced tongue root	˘	Apical	˘	Extra low tone
˘	Low rising tone	˘	Less rounded	˘	Dental
˘	Velarized or Pharyngealized	˘	Global fall	˘	Velarized
˘	High tone	˘	High rising tone	˘	Aspirated
j	Palatalized	˘	Creaky voiced	˘	Low tone
l	Lateral release	˘	Mid tone	˘	Laminal
˘	Linguo-Labial	˘	Nasal release	˘	More rounded
˘	Lowered	˘	Retracted tongue root	˘	Global rise
˘	Rising falling tone	˘	Raised	˘	Extra high tone
˘	Breathy voiced	˘	Voiced	˘	Labialized
˘	Extra short	˘	Mid-centralized	˘	Down-step
˘	Up-step	˘	Long	˘	Half-long
˘	Indeterminacy in french vowels	˘	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		

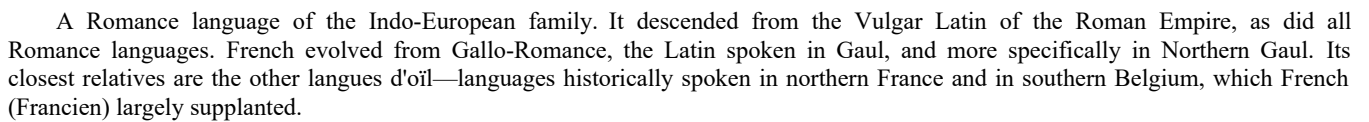
Appendix 10 - Languages

Latin



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

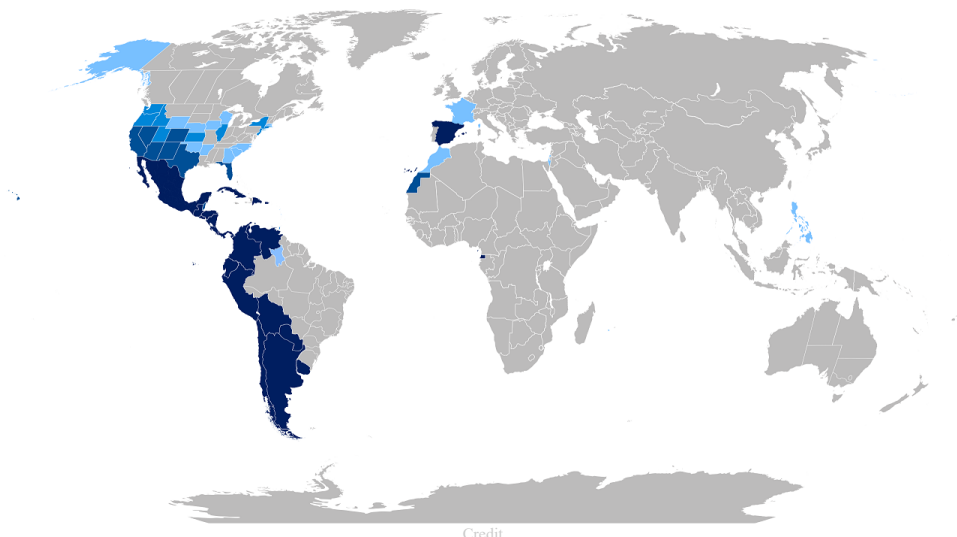
By the late Roman Republic (75 BC), Old Latin had been standardised into Classical Latin. Vulgar Latin was the colloquial form spoken at that time and attested in inscriptions and the works of comic playwrights like Plautus and Terence[3] and author Petronius. Late Latin is the written language from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



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.

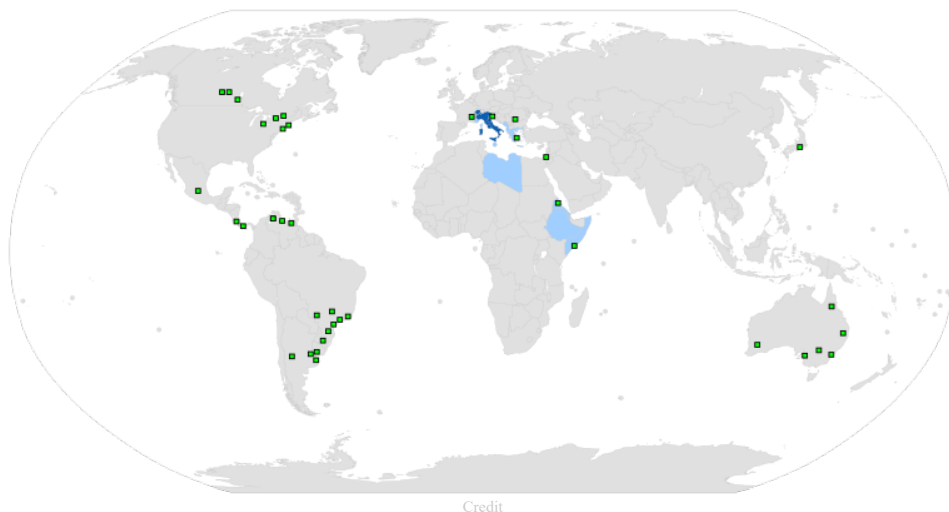
Appendix 10 - Languages

Spanish



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

Italian



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

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

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

Appendix 10 - Languages

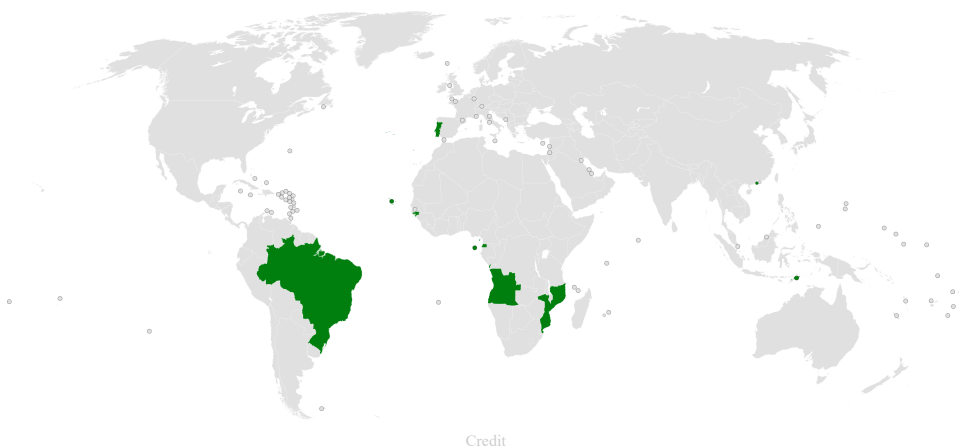
languages covered by the European Charter for Regional or Minority languages in Bosnia and Herzegovina and in Romania, although Italian is neither a co-official nor a protected language in these countries. Many speakers of Italian are native bilinguals of both Italian (either in its standard form or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

Brazilian Portuguese



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



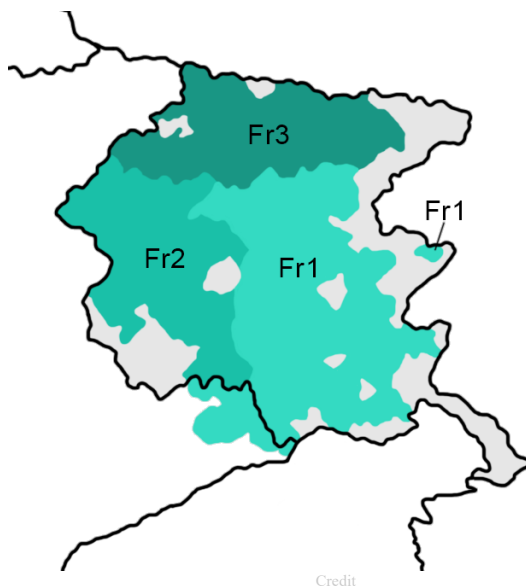
Credit

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



Credit

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".