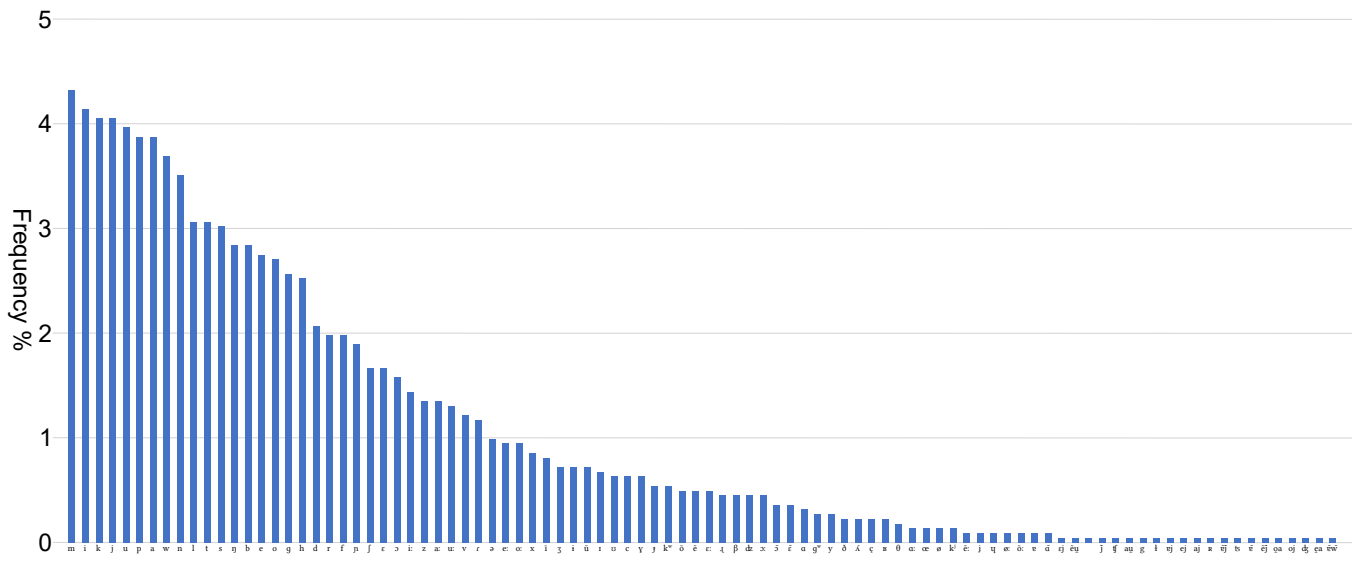


Appendix 1 - Prior Segment Frequencies



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

Appendix 2 - Symbols

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

Appendix 3 - Segments used in the word list

		Words containing this segment
0	e	<p>ego:, ew, jew, usted, vose, vose, voste, embra, femmina, femer, femje, fembra, femeje, mulierem, muxer, μολλε, μυλε, μυλε, μυλε, mujere, done, hominem, ombre, infantem, infante, fante, nenē, nen, epuz, esposa, mulier, muxer, μολλε, μυλε, μυλε, μυλε, mujere, epu, esposo, ma:trem, mek, madre, ma:dre, mer, patre, pek, padre, pa:dre, nema:l, nāmaje, piskem, peθ, peffe, pef, pešte, awem, abe, awikellum, useλ, passerem, passero, pasare, peduklus, pedoli, pādukje, serpentem, sekrā, serpiente, serpente, sekrēfji, sərpen, farpe, serpens, sjerpe, sərpe, serp, farpe, wermem, vek, berme, verme, vēmī, vermī, vjerme, arborem, albero, arbore, selba, selva, selve, fwee, fōaje, frondea, ra:di:kem, ra:di:ke, radi:fe, kortikem, kortife, kortikea, korteθa, kortetfja, skortea, ekoks, skwartse, flo:rem, fjo:re, floare, herba, jerba, eərve, erba, jarbe, gra:men, sang^winem, sangre, sangwe, sinđe, webo, penna, peja, penē, pen, pene, pelo, pelu, kabejo, kapello, kabelu, kēβelu, kaβeθa, kavettsa, kabese, kēβese, testa, testā, teste, orexa, orekkja, orele, ureke, ne, narife, gōle, el, ale, kwejo, epol, espalda, spate, seno, sen, pektus, pefo, pjept, kwore, anime, fegato, fedz, so:lem, sole, sare, soreli, lune, etwal, estreja, stella, istrelē, ištrelē, stele, age, ploje, plōaje, flu:men, fjume, xivjek, mare, mek, sa:lem, sale, se, sare, terra, tek, tjera, tekē, tjere, nube, ka:li:ginem, kalidžine, nebula, njebla, nebbja, newlā, negurā, tene:braj, tē:nebre, tene:bra:s, tenēk, tinjeblas, tē:nebre, tēnebrās, fyne, fumate, θjelo, tfer, wentum, bjento, ben, gelu:, jelo, dzer, fwego, kinerem, tferere, θeniθa, tfenufā, montem, monte, monta:nea, montare, noctem, nofe, notte, nqapte, zuzne, dzornade, no:men, no:me, nume, no:minem, nombre, leŋgwa, bibere, beber, bere, beβek, biβer, bevi, komedere, komer, kome, kumer, manduka:re, māze, mandzare, morde:re, morder, mōrdere, mōrdek, murder, morsika:re, morsikare, murseka, su:gere, syse, sudze, konspuere, kōspy, eskupir, sputere, esputar, sputare, skire, sapere, saber, sabek, seber, kogno:skere, konoθer, konoffere, kōnesek, kupiser, kunqaste, ko:gita:re, kuide, koditare, kuđeta, pe:nsa:re, pāse, pensar, pensare, pēse, pejsa:, time:re, temer, temere, temek, timer, temā, temi, teme, tremere, tremen, tremare, tremek, trimer, dormi:re, dormire, wi:were, vivere, vīvek, viver, morire, mōvek, muker, neka:re, nwaje, neka, anegar, annegare, tje, tuwe, makta:re, mate, okki:dere, uttfidere, utfide, pugna:re, puŋpare, battuere, battere, batek, bēter, bate, kaptia:re, fase, katfare, pulsa:re, puse, pulsare, seka:re, sje, segar, segare, segak, sea:, kurta:re, ekskurta:re, ekuste, skortare, ta:lia:re, taje, ta:lia:re, di:widere, dividere, divide, skindere, sēde, findere, findere, ender, fendere, fēdek, fēder, parti:re, partire, se:para:re, sōvke, separar, separare, separak, separa:, separa, pungere, punđere, punđe, jugula:re, zygye, jugula:re, ra:dere, raer, radere, kēk, kēer, rade, waze, rasare, fodere, kawa:re, kavare, qa:ve, ekskawa:re, eskabar, skavare, nata:re, nwotare, naviga:re, naze, nabegar, navigare, wola:re, vole, volare, vōle, zvolare, fəmine, kamminare, fimine, marfe, mergere, merđere, merđe, ambita:re, andare, weni:re, benir, venire, veni, ekstendere, etādk, ekstender, estendere, istēdek, ištēder, ostendā, ekstinde, jake:re, zezik, jaθer, dʒafje:re, zezek, zezek, dzer, jesi, sede:re, ser, sedere, sek, fedza, sedenta:re, sentar, senta:, stare, estar, stare, levare, lōve, jebat, levare, levar, leva:, alia:re, ose, altsare, torna:re, tūne, tornare, turne, gyrare, zive, dʒirare, vire, virare, tork^w:re, torθer, tōrfere, turser, tqartfe, kadere, kaer, kadere, tjade, tōbe, tume, tene:re, tener, tenere, tek, ter, tsine, segurar, eksprimere, epēdk, ekspremir, spremer, iŋprēmek, iŋprēmer, əspremə, esprimi, skreme, serrere, serar, seka, serare, seke, θerar, serrare, sere, appekto:re, apretar, stringere, etēdk, estrepir, strindžere, stringe, strindže, frika:re, fxeje, fregar, fregare, frea, freka, frikta:re, frote, frettare, lawa:re, lave, lavare, tergere, terđere, ekstergere, estarsir, fterdže, eksu</p> <p>ka:re, esqije, enxugar, affugare, suwe, limpida:re, tira:re, tire, tirare, tire, puse, trahere, trarre, traze, trēzer, tradze, impingere, impindžere, impindže, jakta:re, zote, efar, dʒettare, dʒete, lankea:re, lāse, lanfare, e:runka:re, arronfare, liga:re, lie, legar, legare, lea:, lega, apta:re, ko:nsuere, koser, kutfire, kuzer, qase, komputa:re, kōte, kontare, e:numera:re, enumerare, enumerar, enumerare, enumera, di:kere, deθir, dire, dizer, zife, eksponere, sporre, spune, kanta:re, fāte, kantare, tʒāte, lu:dere, joka:re, zve, dʒokare, dzuwe, flu:ktua:re, flyktje, fluttuare, fluita:re, fluitare, fluere, flye, fluire, ko:la:re, kule, kolare, kōle, ekskurrere, eskurir, skorrere, iŋkōvek, iŋkurer, skurđe, kurrere, korer, korrere, kōvek, kuβer, kurđe, gela:re, zōle, elar, dʒelare, dʒale, glakia:re, glase, gjattfjare, inglakia:re, ingetsa, bōyle, bruťare, bōule, kremare, kēame, kamar, kremare, kējmare, kējmare, flamma:re, flābe, flamear, fjammar, arde:re, arder, ardere, ađek, erder, arde, flagra:re, flagre, flagrare, inkendere, ēsādje, enθender, inťendjare, isendžar, ənsendā, inťindže, ustula:re, ustolare, alter, grandem, grande, grande, majjo:rem, mare, le, epe, espeso, spesso, espesu, iŋpesu, grabe, greve, grew, grew, lerdo, pesađo, pesante, pezadu, pezan, pekepo, pekenu, pikenu, brewis, brebe, breve, brew, bref, etkwa, estreťo, stretto, menudo, delyađo, delikato, dewgadu, subti:lem, sottile, subtsire, seko, sekko, seku, sek, dekstrum, djestro, destrā, dereťo, drept, vermikulus, bermexo, vermīλλo, vōmeku, rubeus, rubeo, ruđe, wiridem, vek, berde, verde, verdi, verde, galben, amarellus, krokeus, krotfe, due, tres, tre, tref, k^wi:nk^we, tʒinkwe, ekkumhi:k, k^wem, kjen, tʒine, ke, tfe, kome, tfermut, nek, ne, et, e</p>
1	g	<p>ego:, gʒamen, grēmē, grēmē, gram, sangre, sangwe, sēgi, sēgi, gōel, gōj, fegato, figedu, agwē, lago, lagu, ka:li:ginem, negurā, gelu:, fwego, fogu, lāg, leŋgwa, lingwa, liŋwē, musaga, musagar, su:gere, sugak, sugar, kogno:skere, ko:gita:re, nāga, anegar, annegare, segak, pungere, jugula:re, zygye, nabegar, navigare, nābaga, naviga, segurar, sigurar, fregar, frāga, iffrigar, tergere, ekstergere, enxugar, affugare, efugar, afuga, liga:re, legar, legare, zogak, zuga, flugtwar, gela:re, glakia:re, glase, gjattfjare, glāsa, inglakia:re, flagra:re, flagre, flagrar, flagrare, flagrar, awgū, atgū, algu, gōd, grande, grande, grēđi, grēdi, longus, lungu, lōgu, largo, laŋgu, largu, gōa, graso, grasso, grafu, gras, gras, gordo, gōo, grosu, grās, grawis, grījef, grabe, greve, gravi, gravi, grew, angustus, angosto, angusto, dewgadu, galbinus, galben</p>

Appendix 3 - Segments used in the word list

2	o:	ego:, no:s, noi:, no:, wo:s, voi:, vo:, homo:, spo:s, o:b, flo:rem, fjo:re, flo:r, o:wum, o:rikla, so:lem, no:men, no:me, no:minem, kogno:skere, ko:gita:re, ko:nsuere, ekspo:nere, ko:la:re, to:tus, po:k, majjo:rem, duo:s, k ^w ando:, k ^w o:modo, no:n
3	3	zə, ʒə, pluʒə, kalizɛj, kɛlizɛj, zɛl, zɛl, zuɐ, zorn, ʒɔna, zuɐne, mɔʒe, mɛʒaɐ, mɛʒa, kuzitaɐ, mɛʒa, kuzitar, puziɐ, puzir, zygyɫe, naʒe, zeziɐ, ʒeʒeɐ, ʒeʒeɐ, ʒawɾə, ʒiʒe, ʒiraɐ, ʒira, əftriʒir, əftriʒir, əstərʒi, ʒəte, ʒejtar, ʒwe, ʒogav, ʒuʒaɐ, ʒuga, ʒuka, ʒəle, ʒilar, ʒəla, inʃfindʒe, laɐʒ, du:ʒe:, kuʒ, ʒon
4	ə	ʒə, dɔnə, dɔamɔnə, ɔmə, əspɔʒə, mərɪt, əspɔs, marə, parə, tatə, nəmajə, pasəre, pədukje, sərpen, abrə, fulə, frunʒə, ərel, rədəʃinə, əskɔrsə, skɔartsə, erbə, jarbə, ɔqadə, plomə, pɛjə, panə, pər, ʃəvə, kəbɛl, ʃəvə, testə, tɛʒastə, urɛlə, bokə, bukə, golə, gurə, alə, əspaɫlə, inimə, fedʒə, ɫunə, lunə, əstɛl, ajɣwə, apə, pluʒə, tɛrə, tsarə, newlə, negurə, tənɛbrəs, ʃɛatʃə, sendrə, ʃɛnuʃə, muntajə, diə, limbə, bɛwɾə, mɛʒa, musəʒa, musəʒar, musəʒa, əskupi, səʃe, kunɛʃə, pənsa, pəsa, temə, biwɾə, nəʒa, mətə, batrə, kəsə, səʒa, təɫə, təʒa, fɛndrə, pərɪt, səvɛ, səpərə, rawɾə, rəʒa, rəska, kəba, nəda, nəbəʒa, ʃəmine, kəmina, vənɪɐ, bəni, əstendrə, ʒawɾə, zəʃɛə, əsta, ləvə, ɫəba, əɫə, tɔrsə, kawɾə, kədə, tənɪɐ, tənɪ, ɪʃprəmɛɐ, ɪʃprəmer, əsprəmə, sərər, sərə, əftriʒir, əftriʒir, əstreɔə, frəʒa, frəsə, əstərʒi, əʒuga, trɛwɾə, əmpɛɔə, ʒəte, ɫənsa, kəntə, əskorə, korə, ʒəle, ʒəla, gləsə, krəma, ənsendrə, əɫgu, altrə, amplə, əspɛs, pəʒə, pəʒat, pəti, pətit, əstɛt, mənɪ, mənut, mərunt, dəlɪkat, destrə, bərmɛl, dowə, kwatrə, əɫə
5	j	jo, jerba, kabejo, kwejo, estreja, jubja, jelo, jaθer, jebar, amarijo, aja
6	o	jo, io, jo, nos, no, bos, vof, vos, vose, voste, moɫɫe, domina, doɔna, donə, hominem, ombre, omɛj, om, homo:, wɔmo, nɪjo, nino, sponsa, esposa, ispoza, ɪʃpoʒə, moɫɫe, mariðo, marito, sponsus, esposo, spɔzo, ispozu, ɪʃpozu, sokius, əʃfo, sots, omaj, wazo, utʃello, paxaro, passero, pjoxo, pidəkkjo, pioɫu, poɫ, pedoli, arborem, arʃol, albero, əʃvori, arbore, palo, fruto, frutto, folia, oxa, foɫə, frondea, frondə, kortikem, kortiʃe, kortikea, kortɛθə, kortetʃə, kɔʃʃisɛ, skortea, ekɔks, flor, floɐ, webo, wɔvo, ovu, ow, kola, koda, plomə, pelo, kabejo, kapello, ɔʒej, orexa, orekkja, oreɫə, orejɫə, orele, okulus, oxo, əkkjo, oɫu, voli, okɫ, naso, na:so, boka, bokka, bokɛ, bokə, gola, golə, kolum, kwejo, kollo, dorsum, do, dɔsso, dos, epol, seno, pɛʃo, petto, kor, kor, ɪyado, fegato, sol, sole, solikulus, soreli, o, pjoddʒə, ploje, rio, lago, lago, nublo, nuvola, nor, θjelo, ʃjelo, bjento, vento, jelo, dʒelo, umo, fumo, fokum, fwego, fwəko, fogu, foyu, fok, montem, monte, mont:nea, montajə, montajɔnə, noctem, noʃe, djurno, dʒorno, zorn, xornada, dʒornata, dʒornade, apɔ, anno, nomi, nomi, nombre, komedere, komer, kome, morde:re, moʒɔɐ, morðer, moʒɔɐ, morsika:re, moskar, morsikare, konspuere, kogno:skere, konɔθer, konoffere, kopeseɐ, koposi, kodʒitare, dormi:re, dormir, dormire, doʒmiɐ, dormi, morir, morire, moʒɔɐ, okki:dere, kortar, kɔʒtaɐ, skortare, kosaɫ, fodere, nwotare, wolare, vole, bolar, volare, voaɐ, zvolare, zvola, ose, torna:re, tornar, tornare, toʒnaɐ, torna:, toʒk ^w :re, toʒer, appektora:re, fɔte, frotar, arronʃare, koser, komputa:re, kontar, kontare, kontar:, sporre, joka:re, dʒokare, ʒogav, kolar, kolare, koaɐ, skorrere, ɪʃkoʒɛɐ, əskorə, skorɪ, korer, korrere, koʒɛɐ, korə, kori, ustolare, omne:s, oɔpi, todo, tutto, todə, toɫu, tot, muʃo, molto, mol, molc, tanto, okɔɛ, alguno, alkuno, poko, pɔko, powku, otr, otro, altro, owtru, mapo, mapɔnə, longus, longo, lungo, ɫoɔj, laryo, largo, lato, anʃo, ampjo, graso, grasso, espeso, spesso, gordo, grossus, ɔɔo, grɔsso, grosu, grosu, gros, lerdo, lordo, pesado, pekeɔnə, pitʃino, pikkolo, korto, korto, angosto, angusto, estrefo, stretto, menudo, minuto, delyado, delikato, sottile, seko, sekko, djestro, destro, dereʃo, roxo, rosso, ɔʃɔ, ɔʃu, ros, rofu, bermexo, vermiɫɫo, rubjo, rəbbjo, rubeo, ʒon, amarijo, krokeus, krofɛo, albo, uno, dos, dowə, k ^w attwor, kwatro, kwattro, θinko, kwando, k ^w o:modo, komo, kome, komu, no, non
7	i	io, noi, voi, femina, femmina, femine, mulierem, domina, hominem, infantem, infante, ɪfɛʃi, nɪjo, nino, ispoza, mulier, mavi, mariðo, marito, maridu, məriðu, marit, mərɪt, ispozu, sokius, mari, pari, animalia, alimajə, be:stia, biʃʃa, biʃe, bis, piskem, pejʃi, avi, awikellum, pidəkkjo, pioɫu, pedoli, səpɛʃi, sarpint, vɛɔmi, əʃvori, silwa, fɔʃi, folia, raiθ, ɔais, ɔeɪʃ, ɔadi, ɔasin, rədəʃinə, kortikem, kortiʃe, kɔʃʃisi, kortisi, kortikea, kɔʃʃisɛ, kurtisɛ, sang ^w inem, səʒi, pilus, kapillus, ʃivja, kapitja, o:rikla, voli, nariθ, nariʃe, naris, nɛɪʃ, ɪʃpadwə, sinus, si, pi, pit, anima, anime, inimə, ɪyado, figədu, ʃivədu, ʃija:t, fikar, solikulus, soreli, istreɫə, pluɫia, plɫi, flumi, rio, ɔiw, ɔiu, riw, ri:pa:ria, ɔivjɛɐ, rivi:ɐ, nu:bilus, ka:li:ginem, kalina, kalidʒine, kalizɛj, kɛlizɛj, tinjeblas, kajkia, 'vint, kinerem, θeniθə, ʃinize, mɔʃi, nɫi, nit, die:s, dia, di, diə, diə, zi, diurnum, diurna:ta, nomi, no:minem, ling ^w a, lingwa, limbə, bibere, bevi, mwardi, morsika:re, morsikare, kuspiɐ, kuspiɐ, eskupir, əskupi, ʃti, kinɔɐ, koposi, ko:gita:re, kɫide, kwidar, kodʒitare, kuzitaɐ, kuzitar, time:re, temi, trimar:, dɔɔmiɐ, dormir, dormire, doʒmiɐ, durmir, durmi, dwəɔmi, dormi, vivɐ, bibir, vivere, viveɐ, viver, biwɾə, vivi, via, muɔiɐ, morir, morire, muri, mɔri, muri, tu:ta:ri, ɔksɪɐ, utʃidere, uksi, utʃide, batir, bati, kaptia:re, ta:lia:re, di:widere, dibidir, dividere, dʒividʒiɐ, dividir, dibidi, dividi, divide, skindere, findere, findere, pəstɪɐ, partir, partire, pəstʃiɐ, pəstir, pəti, pɔ:ti, puziɐ, puzir, puɔi, fwɪɐ, ɪʃkɛvəɐ, ɪʃkɛvar, naviga:re, navigare, naviga:, naviga, ʃəmine, kaminar, kamminare, kəmiɔɐ, kəmiɔɐ, kəmina, ʃimine, camina, ambita:re, vənɪɐ, benir, venire, viɐ, vir, bəni, vini, viɔi, veni, istɛdɛɐ, ɪʃtɛdɛr, ekstinde, zeziɐ, jesi, altia:re, ʒiʒe, xirar, dʒirare, ʒirar, ʒira, dʒira:, viʒe, birar, virare, virar, bira, kɛir, tənɪɐ, tənɪ, tini, tinji, tsine, eksprimere, ekspremir, ɪʃprəmɛɐ, ɪʃprəmer, esprimi, stringere, estreɔir, stringere, əftriʒir, əftriʒir, stringe, frika:re, frikta:re, frisar, estarsir, əstərʒi, esɫije, limpida:re, limpjar, tira:re, tiʒe, tirar, tirare, ʃira, tira, tire, tira:, impingere, impindʒere, impindʒe, xita, liga:re, lie, ɫiʒə, kuʃire, kuzi, kuzi, diɐ, deθir, dire, dizer, di, ziʃe, ludir, fluita:re, fluitare, fluiɐ, fluire, flwiɐ, flwir, flui, eskurir, ɪʃkoʒɛɐ, ɪʃkurer, kuɔiɐ, kori, glakia:re, inglakia:re, inkendere, inʃendʒare, inʃindʒe, oɔpi, altri, alius, grɛdʒi, spissus, ɪʃpesu, grawis, ɔɔiʃɛʃ, gravi, grevi, pittitus, pəti, pətit, piti, 'pittinus, pitʃino, putsin, pitulus, pikkolo, pitʃul, brewis, brɛvi, striktus, istrejtu, minu:tus, minuto, miudu, miudu, minu, minu:t, de:lika:tus, delikato, dəlɪkat, sutil, sottile, suʃiw, suptil, su:ti, subtsire, sikkus, direjte, direjte, vermikulus, vermiɫɫo, wiridem, galbinus, amarijo, kwatri, θinko, ʃinʒkwe, sinʒ, 'ʃinʒ, ʃinʒ ɪsi, aki, kwi, ɛki, illa:k, ibi:, vi, ai, ei, k ^w is, ki, kwi, ʃine, k ^w id, ni, i, ʃi

Appendix 3 - Segments used in the word list

8	w	ew, jew, wo:s, womo, pwasō, awem, aw, awikellum, wazo, wermem, silwa, sewwa, paw, fwee, skwas, skwartse, sangwe, o:wum, webo, wovo, ow, kawde, kow, pwal, kwejo, kwel, ifpadwe, kwore, awmø, fwa, sow, etwal, aywa, akkwa, agwe, ajywa, e:w, pluwia, ri:wus, riw, riw, saw, newwe, newlā, sew, wentum, fwego, fwoko, lengwa, lingwa, ligwe, bwax, bewra, mwardi, savwa, kwidar, dwaami, wi:were, biwra, nwaje, tuwe, di:widere, pwēdx, rawra, fwix, kawa:re, ekskawa:re, nwotare, wola:re, vwar, weni:re, zawra, swax, fwa, kawra, lawa:re, suwe, tewa, zwe, dzuwe, flugtwar, flwix, flwir, awgū, powku, owtru, aw, grwes, grawis, grew, grew, brewis, brew, etwa, dewgadu, sufwi, dkwat, wiridem, awvu, dowā, tawa, k ^w attwor, kwatro, kwattro, kwatru, kwatrā, kwat, kwatri, fɲɲkwe, kwi, kwi, kwa, kwe:, kwando, kwēdu, kwan, kwand, kwant
9	ɔ	zɔ, nojs, nɔf, vojs, vɔse, dɔnna, dɔnā, dɔne, ɔm, ɔmēj, ɔmā, ɔm, womo, spɔza, əspɔzə, spɔzo, əspɔs, sɔfɔ, pidɔkkjo, fɔlɔlā, fɔj, kɔɲfisi, kɔrtisi, skɔrtsa, əskɔrsə, flɔ, wovo, ow, kow, kɔde, plɔm, ɔraj, ɔkkjo, bɔk, bɔce, gɔle, kɔlu, kɔl, dɔsso, dɔ, kwore, kɔx, kɔr, sɔw, sɔl, sɔl, sɔl, sɔl, njɔly, fwoko, fɔk, mɔnt, mɔntape, nɔtte, nɔt, zɔna, nɔm, nɔɲ, mɔrdere, kɔnetɔ, kinɔh, dɔxmɪx, mɔxi, ɔksix, vɔle, tɔɔdx, tɔrfere, tɔrsə, lɔji:, kɔle, tɔ, pɔko, pɔk, grɔsso, grɔs, rɔs, rɔbbjo, rɔf, grɔk, kɔmā, kɔm, kɔmē
10	ɖ	ɖɪ, sindɖe, fedɖə, pjodɖa, kalidɖine, ɖɛlo, ɖɛr, ɖu:, ɖɔrno, ɖu:, ɖɔrnata, mandɖare, sudɖe, kodɖitare, kudɖeta, ɖividɖix, pundɖere, pundɖe, nɛɖɖi:, mɛrdɖere, mɛrdɖe, ɖatɖe:re, ɖɛre, ɖirare, ɖira:, strindɖere, strindɖe, tɛrdɖere, fterɖe, tradɖe, impindɖere, impindɖe, ɖɛttare, ɖɛte, ɖɔkare, ɖuwe, ɖuja:, skurdɖe, kurdɖe, ɖɛlare, ɖale, isendɖiar, grɛɖɖi, rudɖe, ɖɛn
11	ɪ	ɖɪ, na:ris, isendɖiar
12	j	jo, jew, nojs, vojs, femjə, femeje, mujere, mujere, omaj, nɔmaje, uɲjel, pjoxo, pidɔkkjo, pju, pɔdukje, serpjente, sɛjɛrɛ, sɛjɛrɛ, vjɛr, vjɛr, vjɛrme, fruɲt, fɔj, fɔaje, fjo:re, jɛp, jarbe, jarbə, pjuma, fɲivja, orekkja, ɔj, ɔkkjo, u:j, gɔj, pjɛpt, fɲia:t, jubja, pjodɖa, ploje, plɔaje, fɲume, xivjɛx, tjera, tjere, njɔly, njɛbla, nebbja, tinjɛblas, sjɛl, θjɛlo, bjento, djurno, skuɲpa, kujda, sje, taje, teji:, taja:, tɔja, jugula:re, jugula:re, jake:re, jesi, fɲade, tinji, esɲije, suja:, limɲjar, jaktare, lɔji:, jɔkare, ɖuja:, gɲatɖjare, fɲammare, ɛsɔɖje, inɲɛndjare, isɛɖjar, majjo:rem, ampjo, gɲijɛf, djestro, rubjo, rɔbbjo, kjen
13	n	no:s, nu, nos, no:i, nojs, nɔf, no, no:, noj, femina, femmina, femine, domina, dɔnna, donə, dɔnā, dɔne, dɔamnə, hominem, infantem, infante, fante, niɲo, nino, nenēj, nen, sponsa, sponsus, animalia, nema:l, nɔmaje, serpentem, serpjente, serpente, sɛrpen, sarpint, serpens, frondea, frondza, frunzə, ra:di:ki:na, ɲasin, ɲɛsɛn, rɔdɔfɲina, gra:men, gɲamen, sang ^w inɛm, sangwe, sindɖe, penna, pen, penə, pen, pɛne, panə, na:sus, ne, naso, na:so, nas, na:s, nariθ, nariɲe, naris, nɛrɪf, na:ris, sinus, seno, sen, san, anima, anime, inima, lu:na, lyn, luna, ɔuna, lɔn, lune, lunə, flu:men, nu:be:s, ny, nube, nuvėj, nuvėj, nu: bilus, nublo, nuvola, nublada, nuɲuɲ, nu:l, nor, ka:li:ginɛm, kalina, kalidɖine, nebula, njɔly, njɛbla, nebbja, newwə, newlā, negurā, tene:braj, tene:bre, tene:bra:s, tenebɔ, tinjɛblas, tene:bre, tenebrəs, wentum, bjento, vento, ben, 'vint, vint, kinerem, fɲenere, sendrə, θeniθa, fɲinize, fɲenufə, montem, monte, mun, mɔnt, munte, monta:nea, montajə, montajə, muntajə, mɔntajə, noctem, nɲi, nɔfɛ, nɔtte, nɔjti, nit, nyt, nɔapte, diurnum, djurno, ɖɔrno, zɔm, zɔna, diurna:ta, zuɲne, xornada, ɖɔrnata, ɖɔrnade, annum, anno, ɛnu, an, no:men, nɔ, no:me, nomi, nomi, nɔm, nɔ, nɔɲ, nume, no:minɛm, nombre, ling ^w a, lingwa, 'lɛnge, manduka:re, mandukar, mandɖare, minka, konspuere, kogno:skere, kɔnetɔ, konɔθer, konɔffere, kunɛfə, kinɔh, kunɔafte, pɛnsa:re, pensar, pensare, pɛnsa, neka:re, nwaje, nɔga, neka, anegar, annegare, pugna:re, skindere, findere, ender, fendere, fendrə, pungere, pundɖere, pundɖe, nata:re, nadar, nwotare, nadaɔ, nɛɖar, nɔda, nada:, naviga:re, naze, nabegar, navigare, naviɲar, nɛviɲar, nɛbɔga, nɛɖɖi:, naviga:, naviga, fɔmine, kaminar, kamminare, kɔmina, fɲimine, camina:, andar, andare, weni:re, vɔniɔ, benir, venire, bɔni, vini, veni, ekstendere, ekstender, estendere, ɛstendrə, ekstinde, sedenta:re, sentar, senta:, torna:re, tuɲne, tornar, tornare, tɔɲnaɔ, turnar, turna, tu:rne, torna:, turna, tene:re, tɔniɔ, tener, tenere, tɔni, tini, tinji, tsine, stringere, strindɖere, stringe, strengi:, strindɖe, enxugar, impingere, impindɖere, impindɖe, lankea:re, lanθar, lanɲfare, ɔnsa, lanci:, lanɲfa:, ɛrunka:re, arankar, arrɔnɲfare, ko:nsuere, kontar, kontare, konta:, ɛnumera:re, enumeɔe, enumerar, enumerare, enumera, numara, ekspɔ:nere, spune, kanta:re, kantar, kantare, kanta, canta:, kinta, inglakiare, ingetsa, inkendere, enθender, inɲɛndjare, isendɖiar, ɛsendrə, inɲindɖe, omne:s, tantus, tanto, tant, tanc, alguno, alkuno, magnus, grandem, grande, grande, gran, grant, longus, longo, lungo, lunk, lung, anɲo, pe:sant, pesante, pezent, 'pittinus, pitɲino, pekenu, pikenu, putsin, angustus, angosto, angusto, minu:tus, mɔny, menudo, minuto, mɔnut, minu, minu:t, mɔrunt, galbinus, zon, ɖɛn, galben, u:num, uno, un, unu, k ^w i:nk ^w e, θinko, fɲinɲ, kjen, fɲine, k ^w ando:, kwando, kwan, kwand, kwant, kind, no:n, nɔ, no, non, nɛw, nu, nek, ni, ne, nɛj, nɛj, nɛ

Appendix 3 - Segments used in the word list

14	s	no:s, nos, nɔjs, wo:s, bos, vɔjs, bus, vos, ɯsted, vose, vɔse, voste, sponsa, esposa, spɔza, ispoza, əspɔzə, mari:tus, sponsus, esposo, spɔzo, ispozu, əspɔs, spo:s, sokius, sɔfɔ, sɔts, be:stia, bis, piskem, pɛs, pwasɔ, useɔ, passerem, passero, pasɛru, pasərə, peduklus, serpentem, sɛpɔ, serpente, sɛpɛti, sirpɛti, sərpen, sɛkɛpɛ, sarpint, serpens, sɛrpe, sɛrpe, serp, silwa, selba, selva, sɛwva, sɛlvə, selve, pa:lus, fru:ktus, frɔsɛ, ʁais, ʁasin, ʁesen, kɔʁfisi, kɔrtisi, kɔʁfise, kurtise, skortea, ekɔs, skɔrtsa, əskɔrsə, skwas, skwartse, skɔartsə, sang ^w inem, sɔ, sangre, sangwe, sɛgi, sɛgi, san, sɔ:g, sanɔ, nas, sindɛ, pilus, kapillus, kavettsa, kabesɛ, kɛbesɛ, testa, testa, testə, testə, fɛs, teste, tɛstə, okulus, na:sus, naso, na:so, nas, na:s, naris, na:ris, dorsum, dɔsso, dos, spatula, espalda, spalla, əspaɔɔ, spal, spale, spate, sinus, sɛ, seno, seju, sɛju, si, sen, san, pektus, so:lem, sol, sole, sɔw, sɔɔ, sɔɔ, sɔɔ, sɔare, solikulus, sɔɔɛ, soreli, ste:lla, estreja, stella, istrele, əstɛɔ, stɔɔɔ, stele, stɛa, ri:wus, sa:lem, sɛɔ, sal, sale, saw, se, sa:l, sare, nu:be:s, nu:bilus, tene:bras, tinjeblas, tɔnebrəs, fumasɛ, sjɛɔ, sɛw, sɛɔ, si:ɔ, fu:mus, sɔdɔ, sɛndrə, sɛ:d, sɛzɛ, die:s, morsikare, moskar, morsikare, musəga, musəgar, musəya, murseka, su:gere, syse, sugaɔ, sugar, sysi:, suɔɛ, konspuere, kɔspiɔ, kuspipir, eskupir, əskupi, skujpa, sputere, esputar, sputare, spuda:, ski:re, sapere, savwaɔ, saber, sabɛ, sɛber, sɔɛ, savɔ:ɔ, save:, kogno:skere, kɔnesɛ, kupiser, kɔnosi, pe:nsare, pɔse, pensar, pensare, pɛsaɔ, pɛsar, pɔnsa, pɛse, peɔsa:, pɔsa, ɔksiɔ, uksi, fase, kasɔ, kɛsar, kɔsa, fɛsi:, pulsa:re, puse, pulsare, pulsa:, pulsa, seka:re, sje, segar, segare, segaɔ, siyar, sɔya, sea:, ekskurta:re, skortare, skurta:, skurta, skindere, sɛde, se:para:re, sɔvɛ, separar, separare, separaɔ, sipɛrar, sɔpɔra, separa:, separa, rasar, rasare, rasa:, raskar, raska, kɔsaɔ, kusar, ekskawa:re, eskabar, skavare, ekstendere, ekstender, estendere, istɛdɛɔ, əstendrə, ekstinde, jesi, sede:re, swaɔ, ser, sedere, sɛɔ, sedenta:re, sentar, sɛtar, senta:, sta:re, estar, stare, əsta, ɛs, sta:, sta, ose, aɔsa, aɔsar, əlsa, hɔ:si, turser, tɔrsə, segurar, siguraɔ, siyurar, eksprimere, ekspremir, spremere, əspremɔ, esprimi, skreme, serrere, serar, sɛza, sɔrar, sɔra, serare, sɛɛ, serrare, sɛzar, stringere, estɛpiɔ, strindɛre, stringe, strengi:, strindɛ, frisar, frɔsa, ekstergere, estarsir, əstɔrɔi, eksu:ka:re, esɔije, suwe, suja:, uska, puse, pu:si:, pulsa:, lɔse, lɛsa, lɛsar, lɔnsa, kɔ:nsuere, koser, ɔase, ekspo:nere, sporre, spune, ekskurrere, eskurir, skorrere, əskorə, skori:, skurdɛ, glase, glɔsa, ɛsɔdɛ, ɛsɛndɔar, ɛsɛndɔar, ənsendrə, ustula:re, ustolare, ustura, omne:s, to:tus, multus, tantus, paɔkus, alius, magnus, longus, largus, la:tus, amplus, krassus, graso, grasso, gras, gras, gras, spissus, espeso, spesso, espesu, ifpesu, əspes, spɛ, gurdus, grossus, grosso, grosu, grosu, grɔs, grwɛs, gros, grawis, lurdus, pe:sant, pesaɔ, pesante, pittitus, 'pittinus, pitulus, kurtus, brewis, angustus, angosto, angusto, ɛngust, striktus, estɛfɔ, stretto, istrejtɔ, əstɛt, stɔɔ:, stret, strimt, minu:tus, de:lika:tus, subti:lem, sutil, sottile, suɔfiw, suptil, su:ti, suti:l, subtsire, sikkus, sɛk, seko, sekko, seku, sɛk, sɛf, sɛk, dekstrum, djestro, dɛstro, dɛstru, dɛstrə, di:re:ktus, dɛstra, russus, rosso, ros, rɔs, vermikululus, rubeus, galbinus, amarellus, krokeus, albus, duo:s, dos, dojs, duas, duɛs, tre:s, tres, tɛs, sɛk, siku, siɔk, isi, k ^w is, sɛk
15	u	nu, vu, bus, tu, ɯsted, mulierem, muxer, muɔɛ, muɔɛ, muɔɛ, mui:r, mujere, epuz, mulier, muxer, muɔɛ, muɔɛ, muɔɛ, mui:r, mujere, mari:tus, maridu, mɛriɔ, sponsus, epu, ispozu, ifpozu, sokius, awikellum, utfello, useɔ, ufjel, pasɛru, peduklus, pu, pioɔ, pju, pɔdukje, arvurɔ, arbul, pa:lus, fru:ktus, fruto, frutto, frutɛ, frujt, frut, frukt, fuɔ, frunzə, kurtise, o:wum, ovu, kua, pluma, pjuma, plumɛ, pilus, pelu, pilu, kapillus, kabelu, kɛɛlu, ureɔ, ureke, okulus, oɔ, na:sus, bukka, buɔ, bukə, gula, gurə, kolum, ku, kɔlu, dorsum, spatula, sinus, seju, sɛju, pektus, pejtɔ, pejtɔ, fi:ka:tum, figɛdu, fiyɛdu, solikulus, luna, luɛ, ɔunə, lune, lunə, pluɔia, jubja, juvɛ, pluɔ, fjume, flumi, flumi, flum, ri:wus, ɔiu, lakum, lagu, layu, nube, nuɛj, nuɛj, nu:bilus, nublo, nuɔla, nublada, nuɔɔ, nebula, negurə, fumata, fuma:ta, fumase, fumate, kajlum, wentum, vɛtu, fu:mus, umo, fumo, fumu, fum, fokum, fogu, fɔyu, fɛnuɔ, mun, munte, muntarə, diurnum, zuɔ, djurno, diurna:ta, zuɛne, annum, ɛnu, nume, kumer, manduka:re, mandukar, murɔɛ, musəga, musəgar, musəya, murseka, sugaɔ, sugar, cuca:, suɔɛ, konspuere, kuspipir, kufpir, eskupir, əskupi, skujpa, sputere, esputar, sputare, spuda:, kupiser, kunɛɔ, kunɔfte, kuzitaɔ, kuzitar, kujda, kuɔɛta, durmir, durmi, durmi:, muɔiɔ, muɔɛ, muri, muri:, muri, tuwe, utfidere, uksi, ufide, pugna:re, puɔar, puɔarə, puɔa, battuere, pulsa:re, puse, puxar, pulsare, puɔaɔ, puɔar, pulsa:, pulsa, kurta:re, kurtar, ekskurta:re, ekuɛte, skurta:, skurta, pungere, punɔɛre, puɔi, punɔɛ, jugula:re, jugula:re, kusar, bula, zbura, lua, tuɛne, turnar, turna, turna, turser, tumbar, tumba, tume, segurar, siguraɔ, siyurar, enxugar, affugare, ɛfugar, ɛfuyar, əfuga, suwe, suja:, uska, puse, pulsa:, e:runka:re, aruɔka, kɔ:nsuere, kudɔ, kufire, kuzer, kuzi, kuzi, komputa:re, kumta, e:numera:re, enumeɛ, enumerar, enumerare, enumera, numara, spune, ludir, xugar, zuɔar, zuga, ɔuɛ, ɔuja:, zuka, flu:ktua:re, flugtwar, fluttuare, flutuɔ, flutuar, fluktua, fluctua, fluita:re, fluitare, fluere, fluiɔ, fluire, flui, kule, kuar, kuɔa, ekskurrere, eskurir, ifkurer, skurdɛ, kurrere, kuɔiɔ, kuɔɛ, kurɔɛ, brufɛre, bruza:, ustula:re, ustolare, ustura, to:tus, tu, tutto, todu, todu, dut, multus, mu, muɔ, mɔjtu, mult, tantus, tɛtu, tɛtu, alguno, alkuno, əlgu, paɔkus, powku, owtru, alius, magnus, longus, lungu, lɔgu, lunk, lung, largus, lɔgu, largu, la:tus, latu, amplus, ɛfu, krassus, grafu, spissus, espesu, ifpesu, gurdus, grossus, grosu, grosu, lurdus, luɔ, pezaɔ, pizaɔ, pittitus, 'pittinus, pekenu, pikenu, putsin, pitulus, pitful, kurtus, kuɔ, kuɔtu, kurtu, kurt, kurt, angustus, angusto, ɛngust, striktus, istrejtɔ, iftrejtɔ, minu:tus, menudo, minuto, miudu, miudu, mənut, minu, mərunt, de:lika:tus, dewgada, deɔɔaɔ, subti:lem, sutil, suɔfiw, suptil, suti:l, subtsire, sikkus, seku, dekstrum, dɛstru, dɛstru, di:re:ktus, russus, ɔu, ɔofu, rofu, vermikululus, vɛɛmɛɔ, vɛmɛjɔ, rubeus, ɔuɔ, rubjo, rubeo, ruɔɛ, galbinus, amarellus, ɛmɛɛlu, ɛmɛɛlu, krokeus, albus, awvu, alvu, u:num, uno, un, uɔ, unu, duo:s, duaj, due, duas, duɛs, duɛf, kwatru, patru, siku, ekkumhi:k, kwɛdu, komu, kum, nu

Appendix 3 - Segments used in the word list

16	f	nɔf, vɔf, ifpozə, ifpozu, biffa, bife, peffe, peji, peji, pef, pešte, farpe, farpe, ɤɤf, fəvə, fəvə, tɛstə, nɛɤf, buf, ifpadwə, iftrele, fuve, trevef, sɪzɛf, ʃenufə, kuspɪr, ʃti, konɔffere, kunɛfə, kunɔafte, fəse, puɤaɤ, puɤar, findere, ɤaɤkaɤ, ɤɛɤkar, ifkɛvaɤ, ifkɛvar, fəmine, mɔɤfe, iftɛder, fedɛa, iftar, altɤa, ʃwaɤ, ifprəmeɤ, ifprəmer, əftrɪzɪr, əftrɪzɪr, iffrɪgar, iffrɪgar, ʃterdɛ, affugare, ɛfugar, ɛfuyar, əfuga, ʃāte, ifkɔvɛɤ, ifkurer, ɛʃu, grafu, ifpesu, iftrejtu, deʃtru, ɤɔfɔ, ɤɔfu, roʃu, dojɤ, duɛf, tref, ʃi
17	oj	noj, voj, nojti, froj, rojɤ, dojs, dojɤ, doj
18	v	vu, vo:i, vɔjs, vɔf, vos, vo:, voj, vose, vɔse, voste, avi, avi, vɛɤ, verme, vɛɤmi, vermi, vɛɤm, vjɛɤ, vjɛɤ, vjɛɤme, aɤvori, arvuri, selva, sɛwva, sɛlvə, sɛlve, ɛɤvə, ɛɤvə, wɔvɔ, ovu, fəvə, ʃɪvja, cavej, fəvə, kavettsa, voli, fuve, kɪvɛɤ, rɪvɪ:ɤ, nuvɛj, nuvɛj, nuvola, nɛvɤvə, trevef, vā, vento, vētu, vē, 'vint, vint, bevi, savwaɤ, savə:ɤ, save:, vɪvɤ, vivere, vɪvɛɤ, viver, vɪvi, via, dividere, ɔɔɪvɪdɔɔɪ, divɪdɪr, dividi, divide, sɔvɛ, kavare, kɛvaɤ, kɛvar, ɔa:vle, ɤava:, skavare, ifkɛvaɤ, ifkɛvar, zɤava:, navigare, navɪgar, navɪgar, naviga:, naviga, vole, volare, voaɤ, vwar, vɔle, zvɔlare, zvola:, vɔnɪɤ, venire, vɪɤ, vir, vini, vɪɔi:, veni, leva:re, ləve, levare, levɔ, livar, leva:, vɪɤ, virare, virar, lave, lavare, lɛvar, lava:, grɛve, gravi, gravi, grav, grɛvi, brɛve, brɛvi, brɛvi, vermikulɤ, vɛɤmɛj, vermɪλλo, vɛɤmɛlu, vɪmɛjlu, vɛɤ, verde, verdi, vɛɤt, vɛɤ, vɛɤt, verde, avvɤ, alvɤ, vi
19	b	bos, bus, embra, fembra, ombre, be:stia, biffa, bife, bis, abe, berme, arborem, aɤbɤ, albero, abra, o:b, arbul, arbore, selba, herba, ɛɤb, jerba, ɛɤba, erbə, jarbe, jarbə, webo, kabejo, kabelu, kɔbɛλ, kabesə, bukka, buf, boka, bokka, bokɛ, bokə, bɔk, bɔce, bukə, jubja, nu:be:s, nube, nu:bilus, nublo, nubladu, nebula, njebla, nebbja, tene:braj, tɛ:nebre, tene:bra:s, tenɛbɤ, tinjeblas, tɛ:nebre, tɛnebrəs, bjento, ben, nombre, limbə, bibere, bwəɤ, beber, bere, beɛɤ, biʃɛɤ, bɛwɛɔ, bə:ɤ, bevi, bɛa, saber, sabɛɤ, sɛber, bibir, biwɛɔ, battuere, batɤ, batir, battere, bateɤ, bɛɛɤ, batrə, bate, bati, dibidɪr, dibidi, kabar, kəba, eskabar, nabegar, nɔbɔga, bolar, bula, zbura, ambita:re, benir, bəni, jɛbar, λəba, birar, bira, tɔbe, tumbar, tɔbɔɤ, tɔbar, tumba, bɤyle, bruɤfare, bɤu:le, bruza:, flābe, grabe, brewis, bɛf, brebe, brɛve, brɛvi, brɛvi, brew, bɛf, subti:lem, subtsire, bermexo, bəɤmɛλ, rubeus, rubjo, rɔbbjo, rubeo, rojɤ, berde, galbinus, galben, albus, albo, alb, ibi:
20	t	tu:, ty, tu, usted, voste, infantem, infante, fante, ifɛti, mari:tus, marito, marit, marit, mɔrit, ma:trem, patre, tata, tatə, be:stia, pešte, utɤfello, serpentem, serpjente, serpente, sirpɛti, sarpint, fru:ktus, fruto, frutto, frute, frujt, frut, frukt, kortikem, kortiʃe, kɔrtisi, kortikea, korteθa, kortettɤa, kurtisɛ, skortea, kapitia, kavettsa, testa, tet, testa, tɛstə, tɛstə, tɛstə, tɛstə, tɛstə, tɛstə, spatula, spate, pektus, pɛtto, pejtu, pejtu, pit, pet, pjept, fɪka:tum, fegato, fɔ:t, fɪja:t, fikat, ste:lla, etwal, estreja, stella, istrele, iftrele, əstɛl, stɔ:l, stele, stɛa, lat, terra, tɛɤ, tjera, terra, tɛɤ, tɛɤ, tɛɤ, tɛɤ, tjere, tene:braj, tɛ:nebre, tene:bra:s, tenɛbɤ, tinjeblas, tɛ:nebre, trevef, tɛnebrəs, fu:ma:ta, fumata, fuma:ta, fumate, wentum, bjento, vento, vētu, 'vint, vint, montem, monte, mɔti, mɔnt, muntɛ, monta:nea, mɔtaɔ, montajɔ, montajɔ, mɔtɛɔ, mɔtɛɔ, muntajɔ, montajɛ, noctem, notte, nojti, nit, nyt, nɔt, nɔapte, diurna:ta, ɔgornata, sputere, esputar, sputare, ʃti, kɔnɛɤ, kunɔafte, kɔ:gitare, kodɔitare, kuzitaɤ, kuzitar, kudɔeta, time:re, temer, temere, temɤ, timer, temə, temi, teme, tremere, tremɛɤ, tremare, tremɛɤ, trimer, trimar, tu:ta:ri, tɤe, tuwe, makta:re, mate, matar, mataɤ, mɛtar, mɔta, utɤfidere, battuere, batɤ, batir, battere, bateɤ, bɛɛɤ, batrə, bate, bati, kaptia:re, kattɤfare, kurta:re, kortar, kɔtaɤ, kurtar, ekskurta:re, ekuste, skortare, skurta:, skurta, ta:lia:re, tɔje, taxar, taλλa:re, taλaɤ, tɛλar, tɔλa, tɛji, taja:, tɔja, fɛt, partire, pɔtiɤ, partir, partire, pɛrtir, pɛrti, pɔ:rti, parti:, nata:re, nwotare, ambitare, ekstendere, etɔɔɤ, ekstender, estendere, istɛdɛɤ, iftɛder, əstendɛɔ, ekstinde, sedenta:re, sentar, sɛtar, sentar:, sta:re, ɛtɤ, estar, stare, iftar, əsta, sta:, sta, altia:re, altɤa, torna:re, tuɤne, tornar, tornare, tɔvnaɤ, turnar, turna, tu:rne, torna:, turna, tɔrk ^w :e:re, tɔɤɤ, tɔɔɛɤ, tɔɤfɛɛɤ, turser, tɔrsə, tɔartɛ, tɔbe, tumbar, tɔbɔɤ, tɔbar, tumba, tume, tene:re, tɔnɪɤ, tener, tenere, tɛɤ, ter, tɔni, tini, tinji, apɛktora:re, apɛtar, ɛpɪtar, stringere, ɛtɛɛɤ, estɛɔɪr, strindɛɛɤ, əftrɪzɪr, əftrɪzɪr, əstɛɔɪr, stringe, strɛngi:, strindɛ, friktare, fɔte, frotar, fɛttare, tergere, tɛɔɛɛɤ, ekstergere, estarsir, əstɔɔɪ, ʃterdɛ, tira:re, tiɛ, tirar, tirare, tira, tire, tira:, trahere, tɛɤɤ, trarre, traze, tɛɛɛɛɤ, tɛwɛɔ, traj, tradɛ, jakta:re, zɔte, ɔɛttare, zɛɔtar, xita, ɔɛte, apta:re, atar, ɛtar, komputa:re, kɔte, kontar, kontare, kɔtar, kumta, konta:, kanta:re, ʃāte, kantar, kantare, kɛtar, kɔnta, ʃāte, cantar, kinta, flu:ktua:re, flyktɤe, flugtwar, fluttuare, flutuɔɤ, flutuar, fluktua, fluctua, fluitare, fluitare, gɔattɤfare, ustulare, ustolare, ustura, to:tus, tu, todo, tutto, todɤ, todɤ, tot, tɔ, dut, multus, molto, mɔjtu, mult, tantus, tanto, tɛtu, tɛtu, tant, tanc, alter, otɤ, otro, altro, owtru, altrə, ɔt, altri, alt, grant, la:tus, lato, latu, lat, pe:sant, pesante, pɔzat, pezan, pittitus, pɔti, pɔti, piti, 'pittinus, pittɔno, pitulus, kurtus, korto, korto, kuɤtu, kurtu, kurt, kurt, angustus, angosto, angusto, ingust, striktus, ɛtɤwa, estɛfɔ, stretto, istrejtɤ, iftrejtɤ, əstret, stɔɔ:, stɛt, strimt, minu:tus, minuto, mɔnut, minu:t, mɔrunt, de:lika:tus, delikato, dɔlikat, subti:lem, sutil, sottile, supɪl, su:ti, suti:l, dekstrum, djestro, destro, deʃtru, deʃtru, di:re:ktus, dɔwat, destra, di:rejtɤ, di:rejtɤ, dɛɛt, drɔ:t, 'dɛɛt, drept, vɛɤt, vɛɤt, tre:s, tɔwa, tres, tre, tref, tɛs, trɔ:, 'tre:, trej, k ^w attwor, katɤ, kwatro, kwattro, kwatru, kwatrə, kwat, kwatri, patru, kwant, ʃɛmu:t, et
21	u:	tu:, u:hɛ:, fru:ktus, u:, u:f, plu:ma, u:j, ku:ɤ, ku:r, lu:na, plu:ɤ, flu:men, nu:be:s, nu:bilus, nu:l, fu:ma:ta, gelu:, fu:mus, fu:k, ɔɔu:, ɔɔu:, su:gere, tu:ta:ri, tu:rne, eksu:ka:re, pu:si:, lu:dere, flu:ktua:re, bɤu:le, ku:ɤ, minu:tus, minu:t, du:ɔe:, su:ti, u:num, ʃɛmu:t
22	y	ty, fry, plym, lyn, ɤy, ny, njɔly, fyne, nyt, syse, sysi:, kɔspye, zyɔyle, gyra:re, flyktɤe, flye, bɤyle, mɔny

Appendix 3 - Segments used in the word list

23	d	usted, domina, dam, doġa, dōnna, donv, dōnā, doēm, dōne, dōamnā, maridu, ma:dre, pa:dre, peduklus, pidōkkjo, pedoli, pōdukje, frondea, ra:di:kem, ra:di:ke, ſadi, radi:tje, ra:di:kina, rēdōġina, kaŷda, koda, kawdē, kōdē, qōadā, dorsum, do, dōsso, dos, dō, espalda, iſpadwē, figēdu, pjoddġa, nubladu, sādē, sendrā, sē:d, die:s, dia, di, diē, dia, diurnum, djurno, diurna:ta, xornada, dōrnade, komedere, manduka:re, mandukar, morde:re, moŷdē, mōrdere, moŷdē, mwardi, spuda:, kŷide, kwidar, kujda, kŷēdē, dormi:re, dōŷmiŷ, dormir, dormire, dōŷmiŷ, durmir, durmi, dwaŷmi, durmi:, dormi, okki:dere, uttjidere, uſide, di:widere, dibidiſ, dividere, dividiſ, dibidi, dividi, divide, skindere, sēde, findere, findere, fādē, ender, fendere, fēdē, fēder, fendrā, pwēdē, ra:dere, radere, rada:, rade, fodere, nadar, nadaŷ, nāda, nada:, andar, andare, ēdaŷ, ēdar, ekstendere, etādē, ekstender, estendere, iſtēdē, iſtēder, aſtendrā, ekſtinde, sede:re, sedere, fedē, ſedenta:re, tōŷdē, kadere, kadere, tŷjade, kādē, epŷēdē, etŷēdē, limpida:re, kudē, di:kere, diŷ, deſir, dire, dizer, di, di:ŷ, di:, lu:dere, ludir, arde:re, aŷdē, arder, ardere, aŷdē, ōder, arde, inkendere, ēsādje, enſender, inſendjare, iſēdjar, aſsendrā, inſindze, todo, todū, dut, grandem, grande, grēdi, gurdus, gordo, lurdus, lerdo, lordo, pezadu, menudo, miudu, delika:tus, du:ze:, deŷađo, delikato, dewgadu, deŷađu, dēlikat, dekstrum, djeſtro, deſtro, deſtru, deſtru, deſtru, di:re:ktus, dŷwat, dereſfo, deſtra, diŷte, diŷte, dret, drōt, 'dret, drept, wiridem, berde, verde, verdi, verde, duo:s, dō, dos, dojs, dojſ, dō:, doj, duaj, due, dowā, duas, dues, duŷ, k"iđ, k"ando:, kwando, kwēdu, kwand, kind, k"o:modo
24	f	fe:mina, fam, femmina, femeŷ, femje, fembra, fōem, femine, femeje, infantem, āfā, infante, fante, iſēfī, iſēti, efā, fru:ktus, fŷqi, fruto, frutto, frute, frujt, fry, frut, frukt, folia, fōj, fōlā, fōlē, fułā, fōj, fwee, fōaje, frondea, frondā, frōsē, frunzā, flo:rem, flōē, flor, fjo:re, floŷ, flō, flōŷ, flo:r, flo:re, ōef, u:f, ca:f, fi:ka:tum, fwa, fegato, figēdu, fiŷēdu, fedē, fō:t, fija:t, fikat, flu:men, fjume, flumi, flumi, fu:ma:ta, fyme, fumata, fuma:ta, fumaŷ, fumate, fu:mus, fumo, fumū, fum, fokum, fō, fwego, fŷōko, fogu, fōy, fōk, fō:, fu:k, fok, findere, fādē, fendere, fēdē, fēder, fendrā, fēt, fodere, fwiŷ, frika:re, fŷeje, fregar, fegare, frāga, froj, frea, freka, iſfrigar, iſfriŷar, frikta:re, fŷote, frotar, frettare, friŷar, frāsa, flu:ktua:re, flyktje, flugtwar, fluttuare, flutuā, flutuar, fluktua, fluctua, fluita:re, fluitare, fluere, flye, fluir, fluire, flwiŷ, flwir, flui, flamma:re, flōbe, flamear, fjammar, flama, flagra:re, flagŷe, flagrar, flagrare, flagŷaŷ, flagrar, gŷijef, bŷef, bŷef
25	e	fe:mina, be:ſtia, pe:l, ſte:lā, nu:be:s, tene:braj, tene:bra:s, die:s, mōrde:re, ſave:, penſa:re, time:re, ſe:para:re, jake:re, dŷaſe:re, sede:re, tork"e:re, tene:re, e:runka:re, e:numera:re, arde:re, omne:s, pe:sant, delika:tus, du:ze:, di:re:ktus, tre:s, 'tre:
26	m	fe:mina, fam, embra, femmina, femeŷ, femje, fembra, fōem, femine, femeje, mulierem, muxer, mołā, mułē, mułer, mułe, muir, mujere, domina, dam, doēm, dōamnā, hominem, ōm, ombre, omēj, ōmēj, ōmā, ōm, om, homo:, wōmo, infantem, mulier, muxer, mołā, mułē, mułer, mułe, muir, mujere, mari:tus, maŷi, mariđo, marito, maridu, mēriđu, marit, marit, mōrit, ma:trem, meŷ, mādre, ma:dre, mēj, marā, meŷ, mari, animalia, omaj, alimaġa, nema:l, nōmaje, piſkem, awem, awikellum, passerem, serpentem, wermem, berme, verme, vēmi, vermi, vēm, vjerme, arborem, ra:di:kem, kortikem, flo:rem, gra:men, gŷamen, grama, grēmē, grēmē, gram, ſang"inem, ō:wum, plu:ma, plym, pluma, pjuma, plomā, plōm, plume, kollum, dorsum, anima, ōm, alma, awmē, almē, ō:m, anime, inimā, fi:ka:tum, ſo:lem, flu:men, fjume, flumi, flumi, flum, lakum, mare, meŷ, mar, maŷ, mar, meŷ, mar, ſa:lem, ka:li:ginem, fu:ma:ta, fyme, fumata, fuma:ta, fumaŷ, fumate, kajlum, wentum, fu:mus, umo, fumo, fumu, fum, fokum, kinerem, montem, mō, monte, mōŷi, mōti, mun, mōnt, munte, monta:nea, mōtaġ, montajā, montajġa, mōtējē, mōtējē, muntajā, mōntajē, noctem, diurnum, annum, no:men, no:me, nōm, nōm, nōm, nūme, no:minem, nombre, limbā, komedere, komer, kome, kumer, manduka:re, māze, mandukar, mandġare, mēzā, mēzar, mēzā, mari:, maġa:, minka, mōrde:re, moŷdē, mōrder, mōrdere, moŷdē, mōrder, mwardi, morsika:re, moskar, morsikare, musāga, musāgar, musāya, murseka, time:re, temer, temere, temē, timer, temā, temi, teme, tremere, tremar, tremare, tremē, trimer, trima:, dormi:re, dōŷmiŷ, dormir, dormire, dōŷmiŷ, durmir, durmi, dwaŷmi, durmi:, dormi, muŷiŷ, morir, morire, moŷē, muŷer, muri, mōri, muri:, muri, makta:re, mate, matar, mataŷ, metar, mōta, maſa:, famine, kaminar, kamminare, kēmiġaŷ, kēmiġar, kēmina, ŷimine, camina:, maŷe, ma:ŷi:, mergere, mērdere, mērdere, ambita:re, tumbar, tumba, tume, eksprimere, ekspremir, spremer, iſpremeŷ, iſpremer, aſpreme, esprimi, skreme, limpida:re, limpjar, impingere, impindere, aſprejā, impindē, komputa:re, kumta, e:numera:re, enumeŷe, enumerar, enumerare, enumera, numara, krema:re, kŷame, kemaŷ, kremare, kejmare, kejmaŷ, krōma, flamma:re, flamear, fjammar, flama, omne:s, multus, mu, muŷfo, molto, mūġtu, mol, molc, mult, magnus, maġo, maġġo, grandem, majjo:rem, mare, amplus, ampjo, amplā, strimt, minu:tus, māny, menudo, minuto, miudu, miuđu, mēnut, minu, minu:t, mērun, subti:lem, dekstrum, vermikululus, vēmej, bermexo, vermēlā, vēmełū, virmējū, bōrmeł, wiridem, amarellus, amarijo, eamelu, eamelu, u:num, ekkumhi:k, k"em, k"o:modo, kōmā, komo, kome, komu, kōm, kōmē, ŷemu:t, kum

Appendix 3 - Segments used in the word list

27	a	<p>fe:mina, fam, embra, femmina, fembra, domina, dam, doña, dōnna, infantem, infante, fante, sponsa, esposa, spōza, ispoza, mari:tus, māi, mariðo, marito, maridu, marit, mari:t, maðre, marə, mari, patre, paðre, parə, pari, tata, tatə, animalia, omaj, alimaj, nāmaje, be:stia, biffa, pwasō, awem, abe, avi, aw, awikellum, wazo, passerem, paxaro, passero, paseru, pasəre, sarpint, fərpe, fərpe, arborem, aəbə, arbol, albero, aəvori, arvuri, abrə, arbul, arbore, silwa, selba, selva, sēwva, pal, palo, paw, par, folia, oxa, fάλλα, frondea, frondza, raiθ, kais, kadi, radi:tfe, ra:di:ki:na, kasin, kortikea, korteθa, kortettfa, skortea, skortsa, skwas, skwartse, herba, jerba, ərba, jarbe, jarbə, gkamen, grama, gram, sang*inem, sangre, sangwe, san, sanj, kauda, kola, koda, kawdə, kua, plu:ma, pluma, pjuma, penna, peja, panə, pwal, kapillus, kabejo, kapello, kabelu, fivja, cavej, kapitia, kaβeθa, kavettsa, kabese, kap, testa, testa, o:rikla, orexa, orekkja, naso, nas, nariθ, nari:tfe, naris, bukka, boka, bokka, gula, gola, a:la, ala, a, alə, ale, spatula, espalda, spalla, ispadwə, əspaλlā, spal, spale, spate, san, anima, alma, awmə, almə, anime, iyaðo, fegato, fikāt, lu:na, luna, ste:lla, etwal, estreja, stella, ak*wa, aywa, akkwa, agwə, age, apə, pluwia, jubja, pjoddga, ri:pa:ria, lakum, lak, lago, lago, lagu, layu, lak, mare, mar, maə, mar, sal, sale, saw, sare, terra, tjera, terra, tsarə, nuvola, nubladu, kalina, kalidžine, kalizēj, nebula, njebla, nebbja, tinjebblas, fu:ma:ta, fumata, fuma:ta, fumasə, fumate, kajkia, θeniθa, monta:nea, mōtaɲ, montajna, montajna, muntajə, mōntajne, dia, zōna, diurna:ta, xornada, dʒornata, dʒornade, annum, aɲo, anno, aɲ, aɲ, an, ling*wa, lengwa, lingwa, manduka:re, mandukar, mandgare, mēžak, mēžar, məɲza, maɲi:, maɲja:, minka, mwardi, moskar, morsikare, musəga, musəgar, musəya, murseka, sugar, sugar, skujpa, esputar, sputare, sapere, savwaə, saber, sabeə, savə:ɹ, save:, kwidar, kođitare, kuzitaə, kuzitar, kujda, kudžeta, pensar, pensare, pēsak, pēsar, pənsa, pəsa, tremare, dwəmi, via, nəga, neka, anegar, annegare, maktare, mate, matar, mataə, mətər, mətə, maɲa:, puɲar, puɲare, puɲa, battuere, batə, batir, battere, bateə, batrə, bate, bati, kaptiare, fase, kaθar, kattfare, kasak, kəsar, kəsa, caɲa:, puxar, pulsare, puɲak, puɲar, pulsa, segar, segare, segak, siyar, səya, kortar, kortak, kurtar, skortare, skurta, taxar, taλla:re, taλak, təlar, təla, taja, təja, parti:re, paɲtiə, partir, partire, paɲtiə, parti:, se:para:re, separar, separare, separak, sipərər, səpəra, separa:, separa, raer, radere, kaek, rawrə, rada:, rade, rasar, rasare, ʒazak, ʒəzar, rəza, rasa:, raskar, ʒaɲka, ʒəɲkar, rəska, kosaɲ, kusar, kawa:re, kabar, kavare, kevak, kevar, kəba, java:, ekskawa:re, eskabar, skavare, iɲkevak, iɲkevar, zɲava:, nata:re, nadar, nwotare, nadaə, nəðar, nəda, nada:, naviga:re, naže, nabegar, navigare, naviyak, neviyar, nəbəga, naviga:, naviga, bolar, volare, voak, vwar, bula, zvolare, zburə, kaminar, kamminare, kəminak, kəminar, kəmina, camina:, maɲse, ambita:re, andar, andare, ɛdaə, ɛdar, jake:re, jaθer, dʒaɲfe:re, zawrə, swak, sentar, sətər, estar, stare, iftar, əsta, sta, jebar, levare, levak, livar, ləba, lua, altia:re, alθar, altsare, aɲsa, aɲsar, əlsa, altfa:, tornar, tornare, toɲnak, turnar, turna, turna, xirar, dʒirare, zirar, zira, bīrar, virare, virar, bira, kadere, jwak, kaer, kadere, kawrə, fjade, tumber, tōbak, tōbar, tumba, segurar, sigurak, siyurar, serar, seka, sərar, səra, serare, θerar, serrare, siɲar, appekto:re, apretar, ɛpirtar, fregar, fregare, frəga, frea, freka, iɲfrigar, iɲfriyar, frotar, frettare, frisar, frəsa, lawa:re, lave, laβar, lavare, levar, lava:, la, estarsir, enxugar, əɲfugare, ɛɲugar, ɛɲuyar, əfuga, uska, limpjar, lipar, tirar, tirare, fira, tira, trahere, trarre, traze, tradge, jakta:re, eɲar, dʒettare, zejtar, xita, lankea:re, lanθar, lanɲare, ləsa, ləsar, lənsa, lanci:, lanɲa:, arankar, arrontfare, aruɲka, legar, legare, liya, lega, apta:re, atar, ɛtar, kontar, kontare, kōtar, kumta, enumerar, enumerare, enumera, numara, kanta:re, kantar, kantare, kətar, kənta, canta:, k</p> <p>inta, xugar, dʒokare, zogak, zuɲar, zuga, zuka, flugtwar, fluttuare, flutuak, flutuar, fluktua, fluctua, fluitare, kolar, kolare, koak, kuar, kuɲa, elar, dʒelare, zilar, zəla, dʒale, glakia:re, glase, gɲattfjare, gləsa, glaɲa:, inglakia:re, ingetsa, bruɲfare, kəame, kemar, kremare, keɲmare, keɲmaə, krəma, flamma:re, flamear, fjammar, flama, arde:re, aədə, arder, ardere, aədek, arde, flagra:re, flagke, flagrar, flagrare, flagkak, flagrar, iɲfendjare, isendɲar, isədjar, ustolare, ustura, tantus, tanto, tant, tanc, alguno, alkuno, awgū, aɲgū, alter, altro, altrə, altri, alt, alius, aw, aɲ, magnus, maɲo, maɲno, grandem, grande, grande, gran, grant, mare, largus, laɲz, laɲo, largo, laɲgu, largu, lark, lark, larg, lato, latu, lat, amplus, anfo, ampjo, amplə, krassus, graso, grasso, grafu, gras, gras, gras, grawis, grabe, gravi, gravi, grav, pesant, pesaðo, pesante, pezadu, pizaðu, pəzat, pezant, angustus, angosto, angusto, etəwa, deɲaðo, delikato, dewgadu, deɲyaðu, dəlikat, dəwat, dəstra, galbinus, galben, amarellus, amarijo, ɛmarelu, albus, albo, awvu, alvu, alb, duas, k*attwor, katə, kwatro, kwattro, kwatru, kwatrə, kwat, kwatri, patru, aki, la, aja, əla, ai, kwa, k*ando:, kwando, kwan, kwand, kwant</p>
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Appendix 3 - Segments used in the word list

28	r	embra, fembra, muxer, mułer, ombre, muxer, mułer, mariđo, maridu, meriđu, marit, mađre, marə, pađre, pařə, paxaro, paseru, pasəre, serpjente, sirpēti, farpe, sjerpe, serp, farpe, berme, vermi, verm, arbol, albero, akvori, arvuri, abrə, par, fruto, frutə, frujt, frōsə, frunzə, kōrtisi, korteθa, kurtisə, skōartsə, flor, fjo:re, floare, jerba, ɛrvə, jarbə, grama, grēmə, grēmə, gram, sangre, pər, orexa, orełə, orejłə, urełə, nariθ, naris, neriř, gurə, kor, sqare, estreja, istrele, iftrele, mar, treveř, tanebrəs, tjer, djurno, zorn, xornada, nombre, beber, bere, biřer, bewrə, komer, kumer, mandukar, manđare, mēzar, morđer, murđer, moskar, morsikare, sugar, kuspīr, eskupīr, esputar, sputare, saber, səber, konoθer, kupiser, kwidar, kuzitar, pensar, pensare, pēsar, temer, timer, tremmer, tremex, trimer, dormir, durmir, bibir, viver, biwrə, morir, muwer, muri, anegar, matar, metar, uttfidere, puñar, batir, bēter, batrə, kaθar, kesar, puxar, pufar, segar, siyar, kortar, kurtar, taxar, talar, dibidir, diviđir, ender, fēder, fendrə, partir, pētir, separar, separax, siperar, səpərə, pūzir, raer, ɤer, rawrə, rasar, ɤazar, raskar, ɤeřkar, kusar, kabar, kevar, eskabar, iřkevar, nadar, nwotare, neđar, nabegar, neviyar, bolar, volare, vwar, zvolare, zbura, kaminar, kamminare, keminar, andar, ędar, benir, venire, vir, ekstender, iftēder, əstendrə, jaθer, đafre:re, zezər, zawrə, ser, sentar, sētar, estar, iftar, jebar, livar, alθar, ařsar, tornar, turnar, xirar, đirare, zirar, zira, birar, virare, virar, bira, torθer, kaer, kadere, keir, tumber, tōbar, tener, tenere, ter, segurar, sigurax, siyurar, ekspremir, əspremar, serar, sərar, θerar, siřar, apretar, ɛpirtar, estrenir, əstrenə, fregar, frəga, ifřigar, ifřiyar, frotar, frisar, frəsa, lařar, levar, estarsir, enxugar, ęřugar, ęřuyar, limpjar, lipar, tirar, řira, tira, traze, trezer, trəwrə, ɛřar, zejtar, lanθar, lēsar, arankar, aruřka, legar, atar, ɛtar, koser, kuzer, kontar, kōtar, enumerar, enumera, deθir, dizer, kantar, kētar, ludir, xugar, zuyar, flugtwar, flutuar, fluir, flwir, kolar, kuar, eskurir, iřkurer, skurđe, korer, kuwer, kurđe, elar, zilar, kemar, keřmare, flamear, arder, ɛrder, arde, flagrar, flagrar, enθender, isendřar, isēđjar, ənsendrə, otro, owtru, altrə, grande, grēđi, grēdi, mare, laryo, largu, łark, graso, grařu, gras, gordo, grosu, gros, grabe, gravi, gravi, grew, grew, lerdo, korto, kurtu, kurt, brebe, brevi, brevi, brew, estreřo, istreřtu, iftreřtu, əstret, djestro, destru, deřtru, destrə, dereřo, direřte, dret, drept, rořu, bermexo, virmejłu, berde, verdi, vert, verde, amarijo, ɛmarelu, ɛmerelu, grək, tres, tref, kwatro, kwatru, kwatrə
29	v	femeř, femje, donə, ifpozə, meriđu, biřə, paseru, sełvə, frutə, fołə, frōsə, ɤeř, kōřřise, kurtisə, ɛrvə, ɛrvə, grēmə, grēmə, kawdə, penə, keřelu, kabesə, keřesə, teřte, teřte, orełə, orejłə, neriř, bokə, iřpadwə, awmə, almə, fięedu, fięedu, luə, istrele, iftrele, agwə, řuvə, teřə, teřə, keřizē, nevwə, treveř, fumase, siřer, mōtēřə, mōtēřə, die, ɛnu, lięwə, seber, metar, bēter, kesar, talar, pētir, siperar, ɤer, ɤazar, ɤeřkar, kevar, kevar, iřkevar, iřkevar, neđar, neviyar, keminar, keminar, zezər, zezər, keir, ɛpirtar, levar, trezer, ɛtar, ɛrder, direřte, direřte, ɛmarelu, ɛmerelu, dues, duř, ɛki, ɛi
30	œ	fœm, doem, fœj, flox, œf, œj, gœl, kœx
31	ɛ	femine, ɛđ, pes, pehō, uttfello, uttfel, sjəpē, serpe, verm, vjer, vjer, seřva, sełvə, selve, ərel, řesen, ɛrb, ɛrba, ɛrvə, jep, gřamen, kōde, plumə, pen, peřə, pene, pel, kəbeł, řəve, tet, testa, teřte, teřte, řes, teřte, urełə, bōce, kwel, spale, petto, pet, əřtel, stele, meř, sel, terra, teřə, teřə, tjere, nevwə, tenəř, treveř, řel, řelo, seř, sel, vento, řel, đelo, řel, řendrə, řinize, munte, řenge, bewrə, řəře, kōnetř, kuneřə, řesi: teji, řendere, řendrə, neđi: merđere, estendere, ɛř, ɛs, řpremere, řere, əstrenə, řrengi: teřđere, teřə, teřwə, əmpere, đete, inřfendjare, espes, əřes, řpe, grwes, gřijef, greve, grevi, bkeř, breve, brevi, brevi, əstret, řret, deřyadu, sek, sek, seř, řestro, řestru, deřtru, řestra, řret, řret, veřmeř, bəřmeł, řert, veř, řert, đen, ɛmarelu, ɛmerelu, tres, ke, ɛ
32	l	mulierem, mulier, animalia, alimapa, nema:l, awikellum, uttfello, uttfel, peduklus, pedoli, arbol, albero, arbul, silwa, selba, selva, selve, pa:lus, pal, palo, pa:l, folia, ərel, flo:rem, flox, flor, floř, flo, floř, flo:ř, floare, kola, plu:ma, plym, pluma, plomə, plom, plumə, pilus, pwal, pelo, pelu, pilu, pel, pe:l, kapillus, kapello, kabelu, keřelu, ɔ:rikla, orele, okulus, voli, gula, goel, gola, golə, gōle, a:la, el, ala, alə, ale, kolum, kollo, kolu, kwel, spatula, epol, espalda, spalla, spal, spale, alma, almə, so:lem, sol, sole, řol, řol, solikulus, řolej, soreli, luna, lyn, luna, luə, lōn, lune, lunə, ste:lla, etwal, stella, istrele, iftrele, əřtel, stō:l, stele, pluwia, plqi, plužə, pluř, ploje, plōaje, flu:men, flumi, flumi, flum, lakum, lak, lago, lago, lagu, layu, la:t, sa:lem, sel, sal, sale, sa:l, nu:bilus, nublo, nuvola, nubladu, nu:l, ka:li:ginem, kalina, kalidžine, keřizē, keřizē, nebula, nřoly, njebla, newlə, tinjeblas, kajlum, řel, řelo, řelo, řel, řil, řelu: řel, řelo, đelo, lingwa, lāg, lenęwa, lingwa, lięwə, lēu, řenge, limbə, pulsa:re, pulsare, pulsa: pulsa, ta:liare, jugula:re, řygyle, jugula:re, řəvle, wolare, vole, bolar, volare, bula, vōle, zvolare, zvolar, levar:re, lōve, levare, levar, livar, levar, lua, altia:re, alθar, alřare, əlsa, alřa: lawa:re, lave, lařar, lavare, levar, lava: la, limpida:re, limpjar, lipar, pulsa: lankea:re, lāse, lanθar, lanřare, lēsa, lēsar, lanci: lanřa: ligare, lie, legar, legare, lōji: lea: lega, lu:dere, ludir, flu:ktua:re, flyktqe, flugtwar, fluttuare, flutuax, flutuar, fluktua, fluctua, fluita:re, fluitare, fluere, flye, fluir, fluire, flwir, flwir, flui, ko:la:re, kule, kolar, kolare, kōle, gelare, řole, elar, đelare, zilar, řəla, đale, glakia:re, glase, gləsa, glatřa: inglakia:re, bryle, bry:le, flamma:re, flōbe, flamear, flagra:re, flagre, flagrar, flagrare, flagřax, flagrar, ustula:re, ustolare, multus, molto, mol, molc, mult, alguno, alkuno, əlgu, alter, altro, altrə, altri, alt, alius, longus, lō, longo, lungu, lōgu, lō, lunk, lung, largus, lāřz, laryo, largo, lāřgu, largu, lark, larg, la:tus, le, lato, latu, lat, amplus, řpl, amplə, lurdus, lūř, lerdo, lardo, pitulus, pikkolo, piřful, de:lika:tus, deřyado, delikato, delikat, subti:lem, sutil, sottile, suřtil, suti:l, vermikulus, galbinus, galben, amarellus, ɛmarelu, ɛmerelu, albus, albo, alvu, alb, illak, la

Appendix 3 - Segments used in the word list

33	r	mulierem, mui:r, mujere, mulier, mui:r, mujere, mari:tus, marito, mari:t, m̄arit, ma:trem, ma:dre, mari, patre, pa:dre, p̄er, pari, passerem, passero, serpentem, serpente, s̄arpen, sarpint, serpens, serpe, wermem, verme, vjer, vjerm̄e, arborem, arbul, arbore, fruktus, frutto, frut, frukt, frondea, frondza, ra:di:kem, raiθ, ̄arel, ra:di:ke, radi:tfe, ra:di:ki:na, rad̄ajfiṇa, kortikem, kortiṭfe, kortikea, kortettja, skortea, sk̄ortsa, ̄ask̄ors̄a, skwartse, flo:rem, flo:r, herba, ̄erba, erb̄a, jarbe, gramen, o:rikla, orekkja, orele, ureke, nariṭfe, na:r̄is, dorsum, kor, kw̄ore, k̄or, ku:r, soreli, ri:wus, rio, riw, riw, ri:pa:ria, rivi:ṣ, mare, mar, ma:r, sare, terra, tjera, terra, t̄er̄a, tjere, tsar̄a, nor, negur̄a, tene:braj, t̄e:nebre, tene:bra:s, t̄e:nebre, ḡer, kinerem, t̄f̄enere, sendr̄a, diurnum, ḡorno, diurna:ta, ḡornata, ḡornade, bibere, komedere, manduka:re, morde:re, m̄ordere, mwardi, morsika:re, morsikare, mus̄agar, murseka, su:gere, konspuere, sputere, ski:re, sapere, kogno:skere, konoffere, ko:gita:re, koḡitare, pe:nsa:re, time:re, temere, tremere, tremare, trima: dormi:re, dormire, durmi, durmi, dormi, wi:were, vivere, morire, muri:, muri, neka:re, annegare, tu:ta:ri, makta:re, okki:dere, pugna:re, puṇṇare, battuere, battere, kaptia:re, katṭfare, pulsa:re, pulsare, seka:re, segare, kurta:re, ekskurta:re, skortare, skurtar, skurta, ta:lia:re, taḷḷa:re, di:widere, dividere, skindere, findere, findere, f̄end̄ere, parti:re, partire, p̄orti, parti:, se:para:re, separare, separa:, separa, pungere, pund̄gere, jugula:re, jugula:re, ra:dere, raer, radere, rawr̄a, rada:, rade, rasar, rasare, r̄aza, rasa:, raskar, r̄aska, fodere, kawa:re, kavare, ekskawa:re, skavare, nata:re, naviga:re, navigare, wola:re, mergere, merḡgere, merḡge, ambita:re, andare, weni:re, ekstendere, est̄endere, jake:re, ḡgere, sede:re, sedere, sedenta:re, sta:re, stare, leva:re, levare, alia:re, altsare, torna:re, tornare, turna, tu:r̄ne, torna:, turna, gyra:re, ḡirare, ḡira:, virare, tork ^w :e:re, t̄ortfere, turser, t̄ors̄a, t̄ortfe, kadere, kawr̄a, tene:re, eksprimere, spr̄amere, iṣpr̄am̄ek, iṣpr̄amer, esprimi, skreme, serrere, serar, s̄ara, serare, θerar, serrare, appetkora:re, stringere, strind̄gere, ̄aṣtr̄izir, ̄aṣtr̄izir, stringe, str̄engi:, strind̄ge, frika:re, fregare, froj, frea, freka, frikta:re, frettare, frisar, laware, lavare, tergere, t̄erḡgere, ekstergere, ̄ast̄arzi, fterḡge, eksu:ka:re, affugare, limpida:re, tira:re, tirare, tire, tira:, trahere, trarre, traj, traḡge, impingere, impind̄gere, jakta:re, ḡettare, lankea:re, lanṭfare, e:runka:re, arankar, arronṭfare, liga:re, legare, apta:re, ko:nsuere, kuṭfire, komputa:re, kontare, e:numera:re, enumerare, numara, di:kere, dire, ekspo:nere, sporre, kanta:re, kantare, lu:dere, joka:re, ḡokare, flu:ktua:re, fluttuare, fluita:re, fluitare, fluere, fluire, ko:la:re, kolare, ekskurrere, eskurir, skorrere, ̄askor̄a, skori:, kurrere, korer, korrere, kor̄a, kori, gela:re, ḡelare, glakia:re, ḡjattṭfare, inglakia:re, bruṭfare, bruza:, krema:re, kremare, kr̄ema, flamma:re, fjammar̄e, arde:re, ardere, flagra:re, flagrare, inkend̄ere, inṭf̄end̄jare, ustula:re, ustolare, ustura, alter, altro, altri, grandem, grande, gran, grant, majjo:rem, largus, largo, lark, larg, krassus, grasso, gras, gras, gurdus, grossus, gr̄osso, gr̄wes, gros, grawis, greve, grav, grevi, lurdus, lordo, kurtus, korto, kurt, brewis, breve, striktus, stretto, stret, strimt, m̄arunt, sub̄sire, dekstrum, d̄estro, di:rektus, d̄estra, direḡte, dr̄ot:t, 'dr̄et, russus, roxo, rosso, ros, r̄os, vermikulus, vermiḷḷo, b̄arm̄eḷ, rubeus, rubjo, r̄obbjo, rubeo, ruḡge, r̄oṭf, rojb, wiridem, verde, vert, amarellus, krokeus, krot̄fo, tre:s, tre, t̄res, tr̄o:, 'tre:, trej, k ^w attwor, kwattro, kwatri, patru
34	x	muxer, muxer, paxaro, p̄joxo, oxa, orexa, oxo, xornada, puxar, taxar, xirar, enxugar, xita, xugar, roxo, bermexo
35	λ	moḷḷe, muḷek, muḷer, muḷe, moḷḷe, muḷek, muḷer, muḷe, useḷ, pioḷu, poḷ, f̄oḷḷa, foḷe, fuḷa, k̄abeḷ, oreḷe, oreḡḷe, ureḷa, oḷu, k̄oḷ, ̄espaḷḷa, lun̄a, lak, taḷḷa:re, taḷak, t̄eḷar, t̄oḷa, l̄aba, l̄ansa, liḡa, loṇ, lark, vermiḷḷo, v̄erm̄eḷu, v̄irm̄eḷu, b̄arm̄eḷ, ̄ala
36	в	muḷek, muḷek, mavi, meṣ, peṣ, seṣp̄ā, seṣp̄ēṭfi, sj̄ep̄r̄ē, veṣ, v̄eṣmi, aṣvi, aṣvori, f̄v̄ci, v̄ais, v̄eif, v̄adi, v̄asin, k̄oṣṭisi, k̄oṣṭise, ekoṣ, floṣ, floṣ, ̄evb, ̄evne, ḡv̄amen, oṣej, koṣ, k̄oṣ, ku:ṣ, plu:ṣ, v̄y, v̄iṣ, v̄iu, v̄iv̄jeṣ, rivi:ṣ, meṣ, mav, meṣ, teṣ, teṣe, teṣe, te:ṣ, teneṣ, si:ṣ, s̄āḡṣ, zuṣ, z̄oṣna, zuṣne, b̄waṣ, bebeṣ, b̄o:ṣ, m̄ēz̄aṣ, moṣḡṣ, moṣḡeṣ, sugaṣ, kuspiṣ, sav̄waṣ, sab̄eṣ, k̄oṣet̄v, koṣeseṣ, kuḡitaṣ, p̄eṣaṣ, tem̄eṣ, k̄v̄ēḡṣ, trem̄eṣ, d̄oṣmiṣ, d̄oṣmiṣ, d̄waṣmi, v̄iv̄ṣ, v̄iveṣ, muṣiṣ, moṣeṣ, muṣer, mataṣ, ̄oṣiṣ, bat̄v, bateṣ, kas̄aṣ, puṭaṣ, segaṣ, koṣtaṣ, ekuṣte, taḷaṣ, ḡv̄iv̄iḡṣ, f̄iḡṣ, f̄ēḡṣ, rav̄tiṣ, rav̄ṭiṣ, s̄oṣve, sepaṣaṣ, p̄w̄ēḡṣ, p̄ūḡiṣ, vaṣ, v̄eṣer, k̄aze, v̄azaṣ, k̄eṣar, vaṭkaṣ, v̄eṭkar, fw̄iṣ, k̄evaṣ, iṭkeṣaṣ, naḡaṣ, naṣiṣaṣ, voaṣ, k̄em̄iṣaṣ, maṣfe, ēḡaṣ, v̄oṣiṣ, viṣ, et̄āḡṣ, ist̄ēḡṣ, zeziṣ, z̄eṣeṣ, swaṣ, seṣ, eṭv, levaṣ, tuṣne, toṣnaṣ, ziṣe, viṣe, t̄oṣḡṣ, f̄waṣ, t̄oḡaṣ, t̄oṣiṣ, teṣ, siḡuraṣ, ep̄v̄ēḡṣ, iṣpr̄am̄eṣ, seṣa, seṣe, siṣar, et̄v̄ēḡṣ, f̄v̄eḡe, f̄v̄ote, tiṣe, t̄v̄eṣ, kuḡṣ, enumeṣe, diṣ, di:ṣ, zoḡaṣ, flutuṣ, fl̄wiṣ, koṣaṣ, iṭkoṣeṣ, kuṣiṣ, koṣeṣ, kuṣer, b̄v̄yle, b̄v̄u:le, k̄v̄ame, keḡmaṣe, aṣḡṣ, aṣḡeṣ, flaḡve, flaḡvaṣ, oṭv, ḡv̄ā, ḡv̄ā, laṣḡ, laḡḡu, ḡv̄a, ḡv̄o, ḡv̄ijef, luṣ, kuṣ, kuṣtu, ku:ṣ, b̄v̄ef, b̄v̄ef, et̄v̄wa, st̄v̄o:, d̄k̄wat, v̄u, v̄oṭv, v̄oṭu, v̄eṣteḡ, v̄eṣmeḷu, v̄uḡ, v̄eṣ, v̄eṣ, t̄v̄wa, kat̄v
37	i:	mui:r, mui:r, mari:tus, mari:t, ra:di:kem, ra:di:ke, radi:tfe, ra:di:ki:na, fi:ka:tum, ri:wus, ri:pa:ria, rivi:ṣ, ka:li:ginem, si:ṣ, t̄fi:l, mari:, sysi, ski:re, dormi:re, durmi, wi:were, muri:, okki:dere, t̄f̄esi:, teji:, di:widere, parti:re, parti:, n̄eḡḡi:, ma:ṭfi:, weni:re, v̄iji:, h̄o:si:, str̄engi:, pu:si:, lanci:, loji:, di:kere, di:ṣ, di:, skori:, sub̄ti:lem, sut̄i:l, di:re:ktus, k ^w i:nk ^w e, ekkumhi:k, ibi:, ki:, si:k
38	п	doṣa, piṣo, alimaṣa, peṣa, peṣa, m̄oṭar, montara, montar̄na, m̄oṭēṣe, m̄oṭeṣe, muntar̄a, m̄ontar̄e, p̄oṭ, aṣo, aṣ, m̄ar̄za, mari:, koṣeseṣ, kuṣiser, koṣosi, puṣar, puṣare, puṣa, puṣi, k̄em̄iṣaṣ, k̄em̄iṣar, v̄iji:, est̄reṣi, ̄aṣtreṣa, ̄aṣpeṣa, oṣri, maṣo, maṣo, pekeṣo
39	qa	d̄oḡam̄a, f̄oḡaḡe, sk̄oḡarts̄a, floḡare, c̄oḡad̄a, s̄oḡare, pl̄oḡaḡe, n̄oḡapte, kunḡaṣte, t̄oḡart̄fe, c̄oḡase
40	h	hominem, homo:, p̄eh̄o, u:he:, herba, kin̄h, h̄o:si:, trahere, ekkumhi:k
41	ēj	om̄ēj, ̄oṣm̄ēj, nen̄ēj, nuṣēj, kaliz̄ēj, k̄ēj, n̄ēj
42	ō	ō, m̄ō, n̄ō, k̄oṣpye, l̄ō, n̄ō
43	ā	āf̄ā, ef̄ā, seṣp̄ā, s̄ā, v̄ā, s̄āḡṣ, ā, l̄āḡ, m̄āze, p̄āse, f̄āḡṣ, et̄āḡṣ, l̄āse, f̄āte, t̄f̄āte, fl̄ābe, ēs̄āḡḡe, ḡv̄ā, ḡv̄ā, āpl, p̄āz̄ā, k̄ā, koṣā
44	i	iṭēṭfi, iṭēti, sizeṭ, liḡwe, ̄aṣtr̄izir, ̄aṣtr̄izir, liṣar, iṣend̄jar, iṣēḡjar, siku
45	ē	iṭēṭfi, iṭēti, ḡr̄ēm̄e, s̄ēḡi, s̄ēḡi, m̄oṭēṣe, m̄ēz̄aṣ, m̄ēzar, ēḡaṣ, ēḡar, l̄ēsa, l̄ēsar, k̄ētar, t̄ētu, t̄ētu, ḡr̄ēḡḡi, ḡr̄ēḡi, ēṣu, kw̄ēdu

Appendix 3 - Segments used in the word list

46	f	ifēfi, sōfjo, uttfello, uttfel, sēpēfi, radi:fe, rēdāfinā, kortiife, kōtfisi, kortettfa, kōtfise, fivja, fēs, naritfe, petfo, fēatfō, fēlo, fji:l, fjer, fjenere, finize, fjenufa, mōtfi, noffe, mafja, uttfidere, uttfide, kattfare, fjesi, catja, paxfjiv, fimine, ma:rfji, dzafe:re, zāfjēa, tōtfjere, tōartfe, fje:r, fjade, fira, efjar, lanfjare, arronfjare, kufjire, zifje, fāte, gjattfjare, gla:fa, bruffare, intfendjare, intfindze, mufo, antfo, pittfino, pitful, estrefo, sufjiv, setf, derefo, rōtf, krotfēo, fjinjke, 'fjinj, fintf, fine, fje, femu:t
47	i	ifēti, ispozē, ispozu, pejfi, avi, sirpēti, vermi, arvuri, kōrtisi, sēgi, sindze, pilu, iftrele, flumi, riw, vint, mōti, nojti, nomi, bißer, minka, kupiser, timer, trimer, siyar, sipērar, naviyax, nevijar, iftar, livar, sigurax, siyurar, sizar, epirtar, strindze, iffrigar, iffriyar, impindze, kinta, zilar, ingetsa, intfindze, grēdi, gravi, pizaðu, pikenu, brevi, ingust, iftrejtu, strimt, virmejlu, verdi, ki, kind
48	p	sponsa, epuz, esposa, spoza, ispoza, ispozē, əspozə, sponsus, epu, esposo, spozo, ispozu, ifpozu, əspəs, spo:s, patre, pex, padre, padre, paj, parə, pē:r, pari, piskem, peθ, peffe, pejfi, pejfi, pef, pēs, pefte, pwasō, pehō, passerem, paxaro, passero, paseru, pasere, peduklus, pu, pjoxo, pidokkjo, pio:lu, po:l, pju, pedoli, padukje, serpentem, sēpā, serpjente, serpente, sēpēfi, sirpēti, sərpen, sjēpē, sarpint, farpe, serpens, sjerpe, serpe, serp, farpe, pa:lus, pal, palo, paw, pa:l, par, jēp, plu:ma, plym, pluma, pjuma, plomā, plōm, plumē, penna, pēn, peja, penē, pējā, pen, pene, panā, pilus, pwal, pelo, pelu, pilu, pēl, pē:l, pər, kapillus, kapello, kapitia, kap, spatula, epol, espalda, spalla, ifpadwē, əspa:lā, spal, spale, spate, pektus, pi, petfo, petto, pejtu, pejtu, pit, pēt, pjept, apə, pluwia, plqi, pjoddza, plu:zə, plu:x, ploje, plōaje, ri:paria, nqapte, konspuere, kōspyē, kuspiv, kufpir, eskupir, əskupi, skujpa, sputere, esputar, sputare, spuda, sapere, pe:nsare, pāse, pensar, pensare, pēsax, pēsar, pōnsa, pēse, penša, pōsa, pugna:re, puja, puja, kaptia:re, pulsa:re, puse, puxar, pulsare, pufax, pufar, pulsa, pulsa, parti:re, partiv, partir, partire, paxfjiv, pērtir, pērti, pō:rti, parti: se:para:re, separar, separare, separax, sipērar, sərpara, separa: separa, pungere, pwēdx, pundgere, pūzix, pūzir, puji, pundze, ekspimere, epēdx, ekspremir, spremere, ifprēmēx, ifprēmer, əspremā, esprimi, appektora:re, apretar, epirtar, limpida:re, limpjar, lipar, puse, pu:si, pulsa, impingere, impindgere, əmpējā, impindze, apta:re, komputa:re, ekspō:nerē, sporre, spune, pa:ukus, pō, poko, pōko, powku, pōk, pō, pō:k, amplus, āpl, ampjo, amplā, spissus, epe, espeso, spesso, espesu, ifpesu, əspēs, spē, pe:sant, pēzā, pesađo, pesante, pezadu, pizađu, pēzat, pezant, pittitus, pēti, pētit, pēti, 'pittinus, pekejo, pittfino, pekenu, pikenu, putsin, pitulus, pikkolo, pitful, suptil, drept, patru
49	z	epuz, spoza, ispoza, ispozē, əspozə, spozo, ispozu, ifpozu, wazo, frunzə, sīzēf, finize, zi, waze, wazax, wəzar, rəza, zjava:, zvolare, zvola:, zbura, zeziv, zezex, zezet, zāfjēa, traze, trezer, kuzer, kuzi, kō:z, kuzi, dizer, zifje, bruza:, pazā, pezadu, pizađu, pēzat, pezant
50	đ	mariđo, mēriđu, madre, padre, iyađu, fiyeđu, morđer, murđer, diviđir, neđar, tođu, pesađu, pizađu, miuđu, delyađu, de:lyađu
51	k	sokius, piskem, awikellum, peduklus, pidokkjo, padukje, fru:ktus, frukt, ra:di:kem, ra:di:ke, ra:di:ki:na, kortikem, kortiife, kōtfisi, kōrtisi, kortikea, kortēθa, kortettfa, kōtfise, kurtise, skorteā, ekōxs, skōrtsa, əskōrsə, skwas, skwartse, skqartsə, sanj, ka:da, kō, kola, koda, kawde, kua, kōw, kōde, kapillus, kabejo, kapello, kabelu, kēbelu, kōbe:l, kapitia, ka:beθa, kavettsa, kabese, kēbesē, kap, o:rikla, orekkja, ureke, okulus, əkkjo, bukka, boka, bokka, bōke, bōk, buk, bukə, kollum, ku, kwejo, kollo, kōlu, kō:l, kwel, pektus, kor, kōx, kwōre, kōx, kor, kōr, ku:x, ku:r, fi:ka:tum, fikat, solikulus, akkwa, lakum, lak, lak, ka:li:ginem, kalina, kalidzine, kalizēj, kēlizēj, kajkia, kajlum, fokum, fwōko, fōk, fu:k, fok, kinerem, komedere, komer, kome, kumer, manduka:re, mandukar, minka, morsika:re, moskar, morsikare, murseka, konspuere, kōspyē, kuspiv, kufpir, eskupir, əskupi, skujpa, ski:re, kogno:skere, kōnetx, konoθer, konoffere, kōnese, kupiser, kunēfā, kinōh, kōnosi, kunqafte, kō:gitare, kqide, kwidar, kodzitare, kuzitax, kuzitar, kujda, kudgeta, kēdx, neka:re, neka, makta:re, okki:dere, əksix, uksi, kaptia:re, kaθar, kattfare, kasax, kesar, kōsa, seka:re, kurta:re, kortar, kōtax, kurtar, ekskurta:re, eku:te, skortare, skurta, skurta, skindere, raskar, wafkax, wēfkar, raska, kosa:l, kusar, kawa:re, kabar, kavare, kēvax, kēvar, kōba, ekskawa:re, eskabar, skavare, ifkēvax, ifkēvar, kaminar, kamminare, kēminax, kēminar, kōmina, ekstendere, ekstender, ekstinde, jake:re, kadere, kaer, kadere, kēir, kawrə, kōdēa, ekspimere, ekspremir, skreme, appektora:re, frika:re, freka, frikta:re, ekstergere, eksu:ka:re, uska, jakta:re, lankea:re, e:runka:re, arankar, arunjka, kō:nsuere, kudx, koser, kufjire, kuzer, kuzi, kō:z, kuzi, komputa:re, kōte, kontar, kontare, kōtar, kumta, konta:, di:kere, ekspō:nerē, kanta:re, kantar, kantare, kētar, kōnta, kinta, joka:re, dʒokare, zuka, flu:ktua:re, flyktqe, fluktua, kō:la:re, kule, kolar, kolare, koax, kuar, ku:lā, kōle, ekskurrere, eskurir, skorrere, ifkōvex, ifkurer, əskorə, skorir, skurdze, kurrere, kuxiv, korer, korrere, kōvex, kuxer, korə, kori, kurdze, glakia:re, inglakia:re, krema:re, kōame, kēmar, kremare, kējmare, kējmare, krēma, inkendere, okōē, alkuno, pa:ukus, poko, pōko, powku, pōk, pō:k, lunk, lark, lark, krassus, pekejo, pekenu, pikenu, pikkolo, kurtus, kuž, korto, korto, kužtu, kurtu, kurt, ku:x, kurt, striktus, de:lika:tus, delikato, dēlikat, sikkus, sek, seko, sekko, seku, sek, sek, dekstrum, di:rektus, vermikululus, krokeus, krotfēo, grōk, katx, kwatro, kwattro, kwatru, kwatra, kwat, kwatri, sēk, θinko, fjinjke, siku, sinj, 'fjinj, ekkumhi:k, aki, kwi, ēki, illa:k, ki, ki:, kwi, kjen, kēj, kēj, kwa, ke, ki, kē, kwē:, kā, kwando, kwēdu, kwan, kwand, kwant, kind, kōmā, komo, kome, komu, kōm, kōmē, kum, nek, si:k
52	ts	sots, skōrtsa, skwartse, skqartsə, tsēastə, tsarə, altsare, tsine, ingetsa, putsin, subsire

Appendix 3 - Segments used in the word list

53	a:	ma:trem, ma:dre, pa:dre, nema:l, pa:lus, pa:l, ra:di:kem, ra:di:ke, ra:di:ki:na, gra:men, ca:f, na:sus, na:so, na:s, na:ris, a:la, fi:ka:tum, fi:ja:t, ri:pa:ria, la:t, ma:r, sa:lem, sa:l, ka:li:ginem, tene:bra:s, fu:ma:ta, fuma:ta, monta:nea, diurna:ta, manduka:re, ma:nja:, morsika:re, cuca:, spuda:, ko:gita:re, pe:nsa:re, pe:nja:, trima:, neka:re, tu:ta:ri, makta:re, ma:fa:, pugna:re, kaptia:re, ca:ffa:, pulsa:re, pulsa:, seka:re, sea:, kurta:re, ekskurta:re, skurta:, ta:lia:re, ta:la:re, taja:, se:para:re, separa:, jugula:re, jugula:re, ra:dere, rada:, rasa:, kawa:re, java:, ekskawa:re, zjava:, nata:re, nada:, naviga:re, naviga:, wola:re, zvola:, camina:, ma:rtfi:, ambita:re, sedenta:re, senta:, sta:re, sta:, leva:re, leva:, altia:re, altja:, torna:re, torna:, gyra:re, dji:ra, appekto:re, frika:re, frikta:re, lawa:re, lava:, eksu:ka:re, suja:, limpida:re, tira:re, tira:, pulsa:, jakta:re, lankea:re, lanfja:, e:runka:re, liga:re, lea:, apta:re, komputa:re, kontar, e:numera:re, kanta:re, cantar, joka:re, djuja:, flu:ktua:re, fluita:re, ko:la:re, gela:re, glakia:re, glatfa:, inglakia:re, brua:, kremare, flamma:re, flagra:re, ustula:re, la:tus, de:lika:tus, illa:k
54	ēj	mēj, nuvēj, kelizēj, kēj, nēj
55	r	mer, vjer, fry, resen, ɔraj, savø:r, mɔri, pɔ:rti, ma:rtfi:, tʃe:r, sɔrar, sere, iʃkurer
56	aj	paj, ɔraj, ajɣwə, tene:braj, kajkia, kajlum, nwaje, traj, majjo:rem, duaj
57	e:	pe:r, u:he:, e:w, tɛ:ɤ, tɛ:nebre, tɛ:nebre, tʃe:r, kwe:
58	θ	peθ, raiθ, korteθa, kaβeθa, nariθ, θjelo, θeniθa, konoθer, kaθar, jaθer, alθar, torθer, θerar, lanθar, deθir, enθender, θinko
59	ej	pejji, cavej, ovej, seju, pejtu, zejtar, kejmave, istrejtu, trej
60	ej	pejji, orejla, seju, pejtu, kejmave, iftrejtu, direjte, direjte, virmejlu
61	ō	pwasō, pehō, frōse, mōfi, mōti, mōtaj, mōtēj, mōtēj, nō, tōbe, tōbak, tōbar, kōte, kōtar, pō, ōt, lōgu, lō, ō
62	ē	sekpēfi, sirpēti, sjeprē, sē, vētu, vē, pēsav, pēsar, kēdēv, fēdēv, fēder, istēdēv, iftēder, sētar, ēfugar, ēfugar, isēdjar, sēk, nē
63	β	arβol, keβelu, kaβeθa, keβese, nuβu, biβer, səβe, laβar
64	l	seļve, səl, nuβu, zēl, aļsa, aļsar, kuļa, flama, aļgū, aļ, deļadu
65	ɥ	fɥqi, plɥi, nɥi, kɥide, tɥe, esɥije, flyktɥe
66	dz	frondza, dzornade
67	ø:	flø:ɤ, gø:j, fø:t, stø:l, fø:, bø:ɤ, savø:r, kø:z, stø:, drø:t, dø:, trø:
68	g	gra:men, grama, sō:g, gula, gola, golə, gole, gurə, age, lago, 'lengə, pugna:re, segar, segare, jugula:re, naviga:re, naviga:, mergere, gyra:re, stringere, stringe, strengi:, fregare, impingere, lega, xugar, glatfa:, ingetsa, flagvak, alguno, magnus, grandem, gran, gva, grant, longo, lung, largus, larg, gras, gurdus, grossus, grosso, grosu, grwes, gros, grav, grevi, grew, ingust, grək
69	g ^w	sang ^w inem, ling ^w a
70	ŋ	sangre, sanj, sanj, anj, nɔŋ, lenjwa, manja:, penja:, arunka, loŋ, ingust, unj, tʃiŋkwe, sirj, 'tʃiŋk
71	ō:	sō:g
72	au	kauda, paukus
73	ø	kø, fəvø, løn, fø, pø, dø
74	c	ɔadə, cavej, ca:f, bɔce, noctem, cuca:, ca:ffa:, camina:, lanci:, ɔase, cantar, fluctua, molc, tanc
75	ea	tsəastə, stea, tʃeafə, bæ, zəfəa, fedəa, kədəa
76	k ⁱ	ok ⁱ
77	a	am, fwa, bwak, taje, vaze, gva, tɤwa
78	ɔ:	ɔ:m, pɔ:rti, hɔ:si:
79	ɣ	iyado, fiyeðu, aywa, ajɣwə, laɣu, foɣu, musəya, siyar, səya, naviyak, neviyar, siyurar, iffriyar, efuyar, liya, zuyar, larɣo, deļadu, deļadu
80	ej	səlej, fveje, vɤmɤj
81	k ^w	ak ^w a, tork ^w e:re, k ^w attwor, k ^w i:nk ^w e, k ^w is, k ^w em, k ^w id, k ^w ando:, k ^w o:modo
82	ē:	sē:d
83	ēu	lēu
84	ɤ	manja:, java:, zjava:
85	ē	pēse, sēde, fēt, pwēdv, epwēdv, etwēdv, ēsādje, kɔmē
86	ū	pūzjɤ, pūzjɤ, mūjtu, awgū, aļgū, ū
87	ɹ	kosar
88	ç	çavle
89	a:	çavle
90	j	mūjtu
91	œ	okœ, œ
92	ʊ	bofʊ
93	ēw	nēw

Appendix 4 - Word Lists by Language

Latin

Cognate	IPA	Sounds
I	ego:	ay-g-O
We	no:s	n-O-s
YouPlural	wo:s	w-O-s
YouSingular	tu:	t-U
Woman	fe:mina	f-ai-m-e-n-ah
Woman-Mulier	mulierem	m-u-l-e-ay-r-ay-m
Woman-Domina	domina	d-oh-m-e-n-ah
ManHumanBeing	hominem	h-oh-m-e-n-ay-m
ManHumanBeing-Homo	homo:	h-oh-m-O
Child	infantem	e-n-f-ah-n-t-ay-m
Wife	sponsa	s-p-oh-n-s-ah
Wife-Mulier	mulier	m-u-l-e-ay-r
Husband	mari:tus	m-ah-r-E-t-u-s
Husband-Sponsus	sponsus	s-p-oh-n-s-u-s
Husband-Socius	sokius	s-oh-k-e-u-s
Mother	ma:trem	m-A-t-r-ay-m
Father	patre	p-ah-t-r-ay
Father-Tata	tata	t-ah-t-ah
Animal	animalia	ah-n-e-m-ah-l-e-ah
Animal-Bestia	be:stia	b-ai-s-t-e-ah
Fish-Piskem	piskem	p-e-s-k-ay-m
Bird-Avem	awem	ah-w-ay-m
Bird-Avicellum	awikellum	ah-w-e-k-ay-l-l-u-m
Bird-Passerem	passerem	p-ah-s-s-ay-r-ay-m
Louse	peduklus	p-ay-d-u-k-l-u-s
Snake	serpentem	s-ay-r-p-ay-n-t-ay-m
Snake-Serpens	serpens	s-ay-r-p-ay-n-s
Worm	wermem	w-ay-r-m-ay-m
Tree	arborem	ah-r-b-oh-r-ay-m
Forest	silwa	s-e-l-w-ah
Stick	pa:lus	p-A-l-u-s
Fruit	fru:ktus	f-r-U-k-t-u-s
Leaf	folia	f-oh-l-e-ah
Leaf-Frondea	frondea	f-r-oh-n-d-ay-ah
Root	ra:di:kem	r-A-d-E-k-ay-m
Root-Radix	ra:di:ke	r-A-d-E-k-ay
Root-Radicina	ra:di:ki:na	r-A-d-E-k-E-n-ah
BarkOfATree	kortikem	k-oh-r-t-e-k-ay-m
BarkOfATree-Corticea	kortikea	k-oh-r-t-e-k-ay-ah
BarkOfATree-Skortea	skortea	s-k-oh-r-t-ay-ah
Flower	flo:rem	f-l-O-r-ay-m
Grass	herba	h-ay-r-b-ah
Grass-Gramen	gra:men	j-r-A-m-ay-n
Blood	sang ^w inem	s-ah-n-gw-e-n-ay-m
Egg	o:wum	O-w-u-m
Tail	kauda	k-au_diphthong-d-ah
Feather	plu:ma	p-l-U-m-ah
Feather-Penna	penna	p-ay-n-n-ah
Hair	pilus	p-e-l-u-s
Hair-Capillus	kapillus	k-ah-p-e-l-l-u-s
Head	kapitia	k-ah-p-e-t-e-ah
Head-Testa	testa	t-ay-s-t-ah
Ear	o:rikla	O-r-e-k-l-ah

Appendix 4 - Word Lists by Language

Eye	okulus	oh-k-u-l-u-s
Nose	na:sus	n-A-s-u-s
Mouth	bukka	b-u-k-k-ah
Mouth-Gula	gula	j-u-l-ah
Wing	a:la	A-l-ah
Neck	kollum	k-oh-l-l-u-m
Back	dorsum	d-oh-r-s-u-m
Back-Spatula	spatula	s-p-ah-t-u-l-ah
Breast	sinus	s-e-n-u-s
Breast-Pectus	pektus	p-ay-k-t-u-s
Heart	kor	k-oh-r
Heart-Anima	anima	ah-n-e-m-ah
Liver	fi:ka:tum	f-E-k-A-t-u-m
Sun	so:lem	s-O-l-ay-m
Sun-Soliculus	solikulus	s-oh-l-e-k-u-l-u-s
Moon	lu:na	l-U-n-ah
Star	ste:lla	s-t-ai-l-l-ah
Water	ak ^w a	ah-kw-ah
Rain	pluwia	p-l-u-w-e-ah
River	flu:men	f-l-U-m-ay-n
River-Rivus	ri:wus	r-E-w-u-s
River-Riparia	ri:pa:ria	r-E-p-A-r-e-ah
Lake	lakum	l-ah-k-u-m
Sea	mare	m-ah-r-ay
Salt	sa:lem	s-A-l-ay-m
Earth	terra	t-ay-r-r-ah
Cloud	nu:be:s	n-U-b-ai-s
Cloud-Secondary	nu:bilus	n-U-b-e-l-u-s
Fog	ka:li:ginem	k-A-l-E-g-e-n-ay-m
Fog-Nebula	nebula	n-ay-b-u-l-ah
Fog-Tenebrae	tene:braj	t-ay-n-ai-b-r-aj_diphthong
Fog-Tenebras	tene:bra:s	t-ay-n-ai-b-r-A-s
Fog-Fumata	fu:ma:ta	f-U-m-A-t-ah
Fog-Caecia	kajkia	k-aj_diphthong-k-e-ah
Sky	kajlum	k-aj_diphthong-l-u-m
Wind	wentum	w-ay-n-t-u-m
Ice	gelu:	g-ay-l-U
Smoke	fu:mus	f-U-m-u-s
Fire-Focus	fokum	f-oh-k-u-m
Ash	kinerem	k-e-n-ay-r-ay-m
Mountain	montem	m-oh-n-t-ay-m
Mountain-Montanea	monta:nea	m-oh-n-t-A-n-ay-ah
Night	noctem	n-oh-tya-t-ay-m
Day	die:s	d-e-ai-s
Day-Diurnus	diurnum	d-e-u-r-n-u-m
Day-Diurnata	diurna:ta	d-e-u-r-n-A-t-ah
Year	annum	ah-n-n-u-m
Name-Nomen	no:men	n-O-m-ay-n
Name-Nominem	no:minem	n-O-m-e-n-ay-m
Tongue	ling ^w a	l-e-n-gw-ah
ToDrink	bibere	b-e-b-ay-r-ay
ToEat	komedere	k-oh-m-ay-d-ay-r-ay
ToEat-Manducare	manduka:re	m-ah-n-d-u-k-A-r-ay
ToBite	morde:re	m-oh-r-d-ai-r-ay
ToBite-Morsicare	morsika:re	m-oh-r-s-e-k-A-r-ay
ToSuck	su:gere	s-U-g-ay-r-ay
ToSpit	konspuere	k-oh-n-s-p-u-ay-r-ay

Appendix 4 - Word Lists by Language

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

Appendix 4 - Word Lists by Language

ToRub-Frictare	frikta:re	f-r-e-k-t-A-r-ay
ToWash	lawa:re	l-ah-w-A-r-ay
ToWipe	tergere	t-ay-r-g-ay-r-ay
ToWipe-Extergere	ekstergere	ay-k-s-t-ay-r-g-ay-r-ay
ToWipe-Exsucare	eksu:ka:re	ay-k-s-U-k-A-r-ay
ToWipe-Limpidare	limpida:re	l-e-m-p-e-d-A-r-ay
ToPull	tira:re	t-e-r-A-r-ay
ToPull-Pulsare	pulsa:re	p-u-l-s-A-r-ay
ToPull-Trahere	trahere	t-r-ah-h-ay-r-ay
ToPush	impingere	e-m-p-e-n-j-ay-r-ay
ToThrow	jakta:re	jg-ah-k-t-A-r-ay
ToThrow-Lanceare	lankea:re	l-ah-n-k-ay-A-r-ay
ToThrow-Eruncare	e:runka:re	ai-r-u-n-k-A-r-ay
ToTie	liga:re	l-e-g-A-r-ay
ToTie-Aptare	apta:re	ah-p-t-A-r-ay
ToSew	ko:nsuere	k-O-n-s-u-ay-r-ay
ToCount	komputa:re	k-oh-m-p-u-t-A-r-ay
ToCount-Enumerare	e:numera:re	ai-n-u-m-ay-r-A-r-ay
ToSay	di:kere	d-E-k-ay-r-ay
ToSay-Exponere	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-Jiicare	joka:re	jg-oh-k-A-r-ay
ToFloat	flu:ktua:re	f-l-U-k-t-u-A-r-ay
ToFloat-Flutare	fluita:re	f-l-u-e-t-A-r-ay
ToFlow	fluere	f-l-u-ay-r-ay
ToFlow-Colare	ko:la:re	k-O-l-A-r-ay
ToFlow-Excurrere	ekscurrere	ay-k-s-k-u-r-r-ay-r-ay
ToFlow-Currere	kurrere	k-u-r-r-ay-r-ay
ToFreeze	gela:re	g-ay-l-A-r-ay
ToFreeze-Glaciare	glakia:re	g-l-ah-k-e-A-r-ay
ToFreeze-Inglaciare	inglakia:re	e-n-g-l-ah-k-e-A-r-ay
ToBurn-Cremare	krema:re	k-r-ay-m-A-r-ay
ToBurn-Flammare	flamma:re	f-l-ah-m-m-A-r-ay
ToBurn-Ardere	arde:re	ah-r-d-ai-r-ay
ToBurn-Flagrare	flagra:re	f-l-ah-g-r-A-r-ay
ToBurn-Incendere	inkendere	e-n-k-ay-n-d-ay-r-ay
ToBurn-AncestralClass8	ustula:re	u-s-t-u-l-A-r-ay
All	omne:s	oh-m-n-ai-s
All-Totus	to:tus	t-O-t-u-s
Many	multus	m-u-l-t-u-s
Many-Tantus	tantus	t-ah-n-t-u-s
Few	paukus	p-au_diphthong-k-u-s
Other	alter	ah-l-t-ay-r
Other-Alius	alius	ah-l-e-u-s
Big	magnus	m-ah-j-n-u-s
Big-Grandem	grandem	j-r-ah-n-d-ay-m
Big-Majjorem	majjo:rem	m-aj_diphthong-jg-O-r-ay-m
Long-Longum	longus	l-oh-n-g-u-s
Long-Largum	largus	l-ah-r-j-u-s
Wide	la:tus	l-A-t-u-s
Wide-Amplum	amplus	ah-m-p-l-u-s
Thick	krassus	k-r-ah-s-s-u-s
Thick-Spissum	spissus	s-p-e-s-s-u-s
Thick-Gurdum	gurdus	j-u-r-d-u-s
Thick-Grossum	grossus	j-r-oh-s-s-u-s
Heavy	grawis	g-r-ah-w-e-s

Appendix 4 - Word Lists by Language

Heavy-Lurdus	lurdus	l-u-r-d-u-s
Heavy-Pesant	pe:sant	p-ai-s-ah-n-t
Small	pittitus	p-e-t-t-e-t-u-s
Small-Pittinus	'pittinus	p-e-t-t-e-n-u-s
Small-Pitulus	pitulus	p-e-t-u-l-u-s
Short	kurtus	k-u-r-t-u-s
Short-Brevis	brewis	b-r-ay-w-e-s
Narrow	angustus	ah-n-g-u-s-t-u-s
Narrow-Strictus	striktus	s-t-r-e-k-t-u-s
Thin	minu:tus	m-e-n-U-t-u-s
Thin-Delicatus	de:lika:tus	d-ai-l-e-k-A-t-u-s
Thin-Subtilis	subti:lem	s-u-b-t-E-l-ay-m
Dry	sikkus	s-e-k-k-u-s
Right-Dextrem	dekstrum	d-ay-k-s-t-r-u-m
Right-Directus	di:re:ktus	d-E-r-ai-k-t-u-s
Red	russus	r-u-s-s-u-s
Red-Vermiculus	vermikulus	v-ay-r-m-e-k-u-l-u-s
Red-Rubeus	rubeus	r-u-b-ay-u-s
Green	wiridem	w-e-r-e-d-ay-m
Yellow	galbinus	g-ah-l-b-e-n-u-s
Yellow-Amarellus	amarellus	ah-m-ah-r-ay-l-l-u-s
Yellow-Croceus	krokeus	k-r-oh-k-ay-u-s
White	albus	ah-l-b-u-s
One	u:num	U-n-u-m
Two-Duos	duo:s	d-u-O-s
Two-Duae	duaj	d-u-aj_diphthong
Two-Duas	duas	d-u-ah-s
Three	tre:s	t-r-ai-s
Four	k ^w attwor	kw-ah-t-t-w-oh-r
Five	k ^w i:nk ^{we}	kw-E-n-kw-ay
Here	ekkumhi:k	ay-k-k-u-m-h-E-k
There	illa:k	e-l-l-A-k
There-Ibi	ibi:	e-b-E
Who-Qui	k ^w is	kw-e-s
Who-Quem	k ^w em	kw-ay-m
What	k ^w id	kw-e-d
When-Quando	k ^w ando:	kw-ah-n-d-O
How-Quomodo	k ^w o:modo	kw-O-m-oh-d-oh
Not	no:n	n-O-n
Not-Nec	nek	n-ay-k
And-Et	et	ay-t
And-Si	si:k	s-E-k

French

Cognate	IPA	Sounds
I	ʒə	gzah-aah
We	nu	n-u
YouPlural	vu	v-u
YouSingular	ty	t-eeh
Woman	fam	f-ah-m
Woman-Domina	dam	d-ah-m
ManHumanBeing	ɔm	euh-m
ManHumanBeing-Homo	ɔ̃	oon
Child	afã	NasalA-f-NasalA
Wife	epuz	ay-p-u-zz

Appendix 4 - Word Lists by Language

Husband	maɾi	m-ah-rr-e
Husband-Sponsus	epu	ay-p-u
Mother	meɾ	m-ay-rr
Father	peɾ	p-ay-rr
Animal	omaj	oh-m-ah-jg
Fish-Pescion	pwasō	p-w-ah-s-on
Bird-Avicellum	wazo	w-ah-zz-oh
Louse	pu	p-u
Snake	seɾpā	s-ay-rr-p-NasalA
Worm	veɾ	v-ay-rr
Tree	aɾbɾ	ah-rr-b-rr
Stick	pāl	p-ah-l
Fruit	fɾuɾi	f-rr-eu-e
Leaf	fœj	f-OpenMidNearFrontRounded-jg
Root-Radix	ɾadi	rr-ah-d-e
Root-Radicina	ɾasin	rr-ah-s-e-n
BarkOfATree-Skorteā	ekoɾs	ay-k-oh-rr-s
Flower	flœɾ	f-l-OpenMidNearFrontRounded-rr
Grass	εɾb	eh-rr-b
Grass-Gramen	gɾamen	g-rr-ah-m-eh-n
Blood	sā	s-NasalA
Egg	œf	OpenMidNearFrontRounded-f
Tail	kø	k-uu
Feather	plym	p-l-eeh-m
Feather-Penna	pɛn	p-eh-n
Hair	pwal	p-w-ah-l
Hair-Capillus	ʃəvø	shh-aah-v-uu
Head	ʃəvɛ	shh-aah-v-eh
Head-Testa	tɛt	t-eh-t
Ear	oɾɛj	oh-rr-ɛj_diphthong
Eye	œj	OpenMidNearFrontRounded-jg
Nose	ne	n-ay
Mouth	buɾf	b-u-shh
Mouth-Gula	gœl	g-OpenMidNearFrontRounded-l
Wing	el	ay-l
Neck	ku	k-u
Back	do	d-oh
Back-Spatula	epol	ay-p-oh-l
Breast	sɛ	s-ehn
Breast-Pectus	pi	p-e
Heart	kœɾ	k-OpenMidNearFrontRounded-rr
Heart-Anima	am	a-m
Liver	fwa	f-w-a
Sun-Soliculus	sœlj	s-euh-l-eh_diphthong
Moon	lyn	l-eeh-n
Star	etwal	ay-t-w-ah-l
Water	o	oh
Rain	pluɾi	p-l-eu-e
River-Rivus	ɾy	rr-eeh
River-Riparia	ɾivjɾ	rr-e-v-jg-ay-rr
Lake	lak	l-ah-k
Sea	meɾ	m-eh-rr
Salt	sɛl	s-eh-l
Earth	teɾ	t-ay-rr
Cloud	ny	n-eeh
Fog-Nebula	njɔly	n-jg-euh-l-eeh
Fog-Tenebras	teneɾɾ	t-ay-n-eh-b-rr

Appendix 4 - Word Lists by Language

Fog-Fumata	fyme	f -eeh-m-ay
Sky	sjel	s-jg-eh-l
Wind	vã	v-NasalA
Ice	zel	gzah-eh-l
Fire-Focus	fø	f -uu
Ash	sãdɤ	s-NasalA-d-rr
Mountain	mõ	m-oon
Mountain-Montanea	mõtɔɲ	m-on-t-ah-VdPalatalNasal
Night	nɥi	n-eu-e
Day-Diurnus	zuɤ	gzah-u-rr
Day-Diurnata	zuɤne	gzah-u-rr-n-ay
Year	ã	NasalA
Name-Nomen	nõ	n-oon
Tongue	lãg	l-NasalA-g
ToDrink	bwaɤ	b-w-a-rr
ToEat-Manducare	mãze	m-NasalA-gzah-ay
ToBite	moɤdɤ	m-oh-rr-d-rr
ToSuck	syse	s-eeh-s-ay
ToSpit	kõspyɤ	k-oon-s-p-eeh-ay
ToKnow-Sapere	savwaɤ	s-ah-v-w-ah-rr
ToKnow-Cognoscere	kõnetɤ	k-euh-n-eh-t-rr
ToThink	kɥide	k-eu-e-d-ay
ToThink-Pensare	pãse	p-NasalA-s-ay
ToFear-Tremere	kɤẽdɤ	k-rr-ehn-d-rr
ToSleep	dõɤmiɤ	d-euh-rr-m-e-rr
ToLive	vivɤ	v-e-v-rr
ToDie	muɤiɤ	m-u-rr-e-rr
ToKill	nwaɤe	n-w-aj_diphthong-ay
ToKill-Tutari	tɥe	t-eu-ay
ToKill-Mactare	mate	m-ah-t-ay
ToKill-Occidere	õksɤ	euh-k-s-e-rr
ToFight-Battuere	batɤ	b-ah-t-rr
ToHunt-Captiare	ɟase	shh-ah-s-ay
ToHit	puse	p-u-s-ay
ToCut	sje	s-jg-ay
ToCut-Excurtare	ekuɤte	ay-k-u-rr-t-ay
ToCut-Taliare	tãɤe	t-a-jg-ay
ToSplit-Scindere	sẽde	s-ehnn-d-ay
ToSplit-Findere	fãdɤ	f-NasalA-d-rr
ToSplit-Partire	paktɤ	p-ah-rr-t-e-rr
ToSplit-Separare	sãvɤe	s-aah-v-rr-ay
ToStab	pwẽdɤ	p-w-ehnn-d-rr
ToStab-Iugulare	zygyle	gzah-eeh-g-eeh-l-ay
ToScratch-Rasare	ɤãze	rr-a-zz-ay
ToDig	fwɤ	f-w-e-rr
ToSwim-Navigare	nãze	n-ah-gzah-ay
ToFly	vole	v-oh-l-ay
ToWalk	ɟəmine	shh-aah-m-e-n-ay
ToWalk-Marcher	maɤɟe	m-ah-rr-shh-ay
ToCome	vəniɤ	v-aah-n-e-rr
ToLieAsInABed	etãdɤ	ay-t-NasalA-d-rr
ToLieAsInABed-lacere	zeziɤ	gzah-ay-zz-e-rr
ToSit	swaɤ	s-w-ah-rr
ToStand	etɤ	eh-t-rr
ToStand-Levare	løve	l-aah-v-ay
ToStand-Altiare	ose	oh-s-ay
ToTurnIntransitive	tũɤne	t-u-rr-n-ay

Appendix 4 - Word Lists by Language

ToTurnIntransitive-Gyrare	zĩɛ	gzah-e-rr-ay
ToTurnIntransitive-AncestralClass3	viɛ	v-e-rr-ay
ToTurnIntransitive-Torquere	tɔɖɔ	t-euh-rr-d-rr
ToFall	ʃwɔɾ	shh-w-ah-rr
ToFall-Tumbare	tõbe	t-on-b-ay
ToHold	tɔniɾ	t-aah-n-e-rr
ToSqueeze	epɛɛɖɔ	ay-p-rr-ehnn-d-rr
ToSqueeze-Serare	seɾe	s-ay-rr-ay
ToSqueeze-Stringere	etɛɛɖɔ	ay-t-rr-ehnn-d-rr
ToRub	fɛɛje	f-rr-eh_diphthong-ay
ToRub-Frictare	fɔte	f-rr-oh-t-ay
ToWash	lave	l-ah-v-ay
ToWipe-Exsucare	esɔijje	ay-s-eu-e-jg-ay
ToPull	tiɛ	t-e-rr-ay
ToPull-Pulsare	puse	p-u-s-ay
ToPull-Trahere	tɛɛɾ	t-rr-eh-rr
ToThrow	zɔte	gzah-aah-t-ay
ToThrow-Lanceare	lãse	l-NasalA-s-ay
ToTie	lie	l-e-ay
ToSew	kudɔ	k-u-d-rr
ToCount	kõte	k-on-t-ay
ToCount-Enumerare	enumeɾe	ay-n-u-m-ay-rr-ay
ToSay	diɾ	d-e-rr
ToSing-AncestralClass	ʃãte	shh-NasalA-t-ay
ToPlay-Jiocare	zwe	gzah-w-ay
ToFloat	flyktɔe	f-l-eeh-k-t-eu-ay
ToFlow	flye	f-l-eeh-ay
ToFlow-Colare	kule	k-u-l-ay
ToFlow-Currere	kuxiɾ	k-u-rr-e-rr
ToFreeze	zɔle	gzah-aah-l-ay
ToFreeze-Glaciare	glase	g-l-ah-s-ay
ToBurn-Brojan	bɔyle	b-rr-eeh-l-ay
ToBurn-Cremare	kɛame	k-rr-ah-m-ay
ToBurn-Flammare	flãbe	f-l-NasalA-b-ay
ToBurn-Ardere	aɔɖɔ	ah-rr-d-rr
ToBurn-Flagrare	flagɛ	f-l-ah-g-rr-ay
ToBurn-Incendere	ẽsɔɖje	ehnn-s-NasalA-d-jg-ay
All-Totus	tu	t-u
Many	mu	m-u
Some	okã	oh-k-uuh
Few	pø	p-uu
Other	otɾ	oh-t-rr
Big-Grandem	gɔã	g-rr-NasalA
Long-Longum	lõ	l-oon
Long-Largum	laɾɔ	l-ah-rr-gzah
Wide	le	l-ay
Wide-Amplum	ãpl	NasalA-p-l
Thick	gɔa	g-rr-a
Thick-Spissum	epe	ay-p-ay
Thick-Grossum	gɔo	g-rr-oh
Heavy	gɔijɛf	g-rr-e-jg-eh-f
Heavy-Lurdus	luɾ	l-u-rr
Heavy-Pesant	pɔã	p-aah-zz-NasalA
Small	pɔti	p-aah-t-e
Short	kux	k-u-rr
Short-Brevis	bɛɛf	b-rr-eh-f
Narrow-Strictus	etɔwa	ay-t-rr-w-ah

Appendix 4 - Word Lists by Language

Thin	məny	m-aah-n-eeh
Thin-Delicatus	du:ʒe:	d-U-gzah-ai
Dry	sək	s-eh-k
Right-Directus	dɛwat	d-rr-w-ah-t
Red	ku	rr-u
Red-Vermiculus	vɛkmej	v-eh-rr-m-eh_diphthong
Red-Rubeus	kuʒ	rr-u-gzah
Green	vɛk	v-ay-rr
Yellow	ʒon	gzah-oh-n
One	œ	uuh
Two-Duos	dø	d-uu
Three	tɛwa	t-rr-w-a
Four	katɛ	k-ah-t-rr
Five	sɛk	s-ehn-k
Here	isi	e-s-e
There	la	l-ah
Who-Qui	ki	k-e
What	kwa	k-w-ah
When-Quando	kã	k-NasalA
How-Quomodo	kɔmã	k-euh-m-NasalA
Not	nɔ	n-oon
Not-Nec	ni	n-e
And-Et	e	ay

Spanish

Cognate	IPA	Sounds
I	jo	VdPalatalFricative-oh
We	nos	n-oh-s
YouPlural	bos	b-oh-s
YouSingular	tu	t-u
YouSingular-VostramMercedem	usted	u-s-t-ay-d
Woman	embra	ay-m-b-er-ah
Woman-Mulier	muxer	m-u-xha-ay-er
Woman-Domina	dɔpa	d-oh-VdPalatalNasal-ah
ManHumanBeing	ombre	oh-m-b-er-ay
Child	infante	e-n-f-ah-n-t-ay
Child-Ninnus	nipo	n-e-VdPalatalNasal-oh
Wife	esposa	ay-s-p-oh-s-ah
Wife-Mulier	muxer	m-u-xha-ay-er
Husband	mariðo	m-ah-er-e-dd-oh
Husband-Sponsus	esposo	ay-s-p-oh-s-oh
Mother	maðre	m-ah-dd-er-ay
Father	paðre	p-ah-dd-er-ay
Father-Tata	tata	t-ah-t-ah
Animal	alimapa	ah-l-e-m-ah-VdPalatalNasal-ah
Fish-Piskem	peθ	p-ay-th
Bird-Avem	abe	ah-b-ay
Bird-Passerem	paxaro	p-ah-xha-ah-er-oh
Louse	pjoxo	p-jg-oh-xha-oh
Snake	serpjente	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	arβol	ah-er-bb-oh-l
Forest	selba	s-ay-l-b-ah
Stick	palo	p-ah-l-oh

Appendix 4 - Word Lists by Language

Fruit	fruto	f-er-u-t-oh
Leaf	oxa	oh-xha-ah
Root	raiθ	r-ah-e-th
BarkOfATree-Corticea	korteθa	k-oh-er-t-ay-th-ah
Flower	flor	f-l-oh-er
Grass	jerba	VdPalatalFricative-ay-er-b-ah
Grass-Gramen	grama	j-er-ah-m-ah
Blood	sangre	s-ah-nya-g-er-ay
Egg	webo	w-ay-b-oh
Tail	kola	k-oh-l-ah
Feather	pluma	p-l-u-m-ah
Feather-Penna	peña	p-ay-VdPalatalNasal-ah
Hair	pelo	p-ay-l-oh
Hair-Capillus	kabejo	k-ah-b-ay-VdPalatalFricative-oh
Head	kaβeθa	k-ah-bb-ay-th-ah
Ear	orexa	oh-er-ay-xha-ah
Eye	oxo	oh-xha-oh
Nose	naso	n-ah-s-oh
Nose-Nares	nariθ	n-ah-er-e-th
Mouth	boka	b-oh-k-ah
Mouth-Gula	gola	j-oh-l-ah
Wing	ala	ah-l-ah
Neck	kwejo	k-w-ay-VdPalatalFricative-oh
Back-Spatula	espalda	ay-s-p-ah-l-d-ah
Breast	seno	s-ay-n-oh
Breast-Pectus	peŋfo	p-ay-ts-oh
Heart-Anima	alma	ah-l-m-ah
Liver	iyaðo	e-juh-ah-dd-oh
Sun	sol	s-oh-l
Moon	luna	l-u-n-ah
Star	estreja	ay-s-t-er-ay-VdPalatalFricative-ah
Water	aywa	ah-juh-w-ah
Rain	jubja	VdPalatalFricative-u-b-jg-ah
River-Rivus	rio	r-e-oh
Lake	lago	l-ah-j-oh
Sea	mar	m-ah-er
Salt	sal	s-ah-l
Earth	tjera	t-jg-ay-r-ah
Cloud	nube	n-u-b-ay
Cloud-Secondary	nublo	n-u-b-l-oh
Fog	kalina	k-ah-l-e-n-ah
Fog-Nebula	njebla	n-jg-ay-b-l-ah
Fog-Tenebras	tinjeblas	t-e-n-jg-ay-b-l-ah-s
Fog-Fumata	fumata	f-u-m-ah-t-ah
Sky	θjelo	th-jg-ay-l-oh
Wind	bjento	b-jg-ay-n-t-oh
Ice	jelo	VdPalatalFricative-ay-l-oh
Smoke	umo	u-m-oh
Fire-Focus	fwego	f-w-ay-g-oh
Ash-Cinisia	θeniθa	th-ay-n-e-th-ah
Mountain	monte	m-oh-n-t-ay
Mountain-Montanea	montapa	m-oh-n-t-ah-VdPalatalNasal-ah
Night	noŋe	n-oh-ts-ay
Day	dia	d-e-ah
Day-Diurnus	djurno	d-jg-u-er-n-oh
Day-Diurnata	xornada	xha-oh-er-n-ah-d-ah
Year	apo	ah-VdPalatalNasal-oh

Appendix 4 - Word Lists by Language

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

Appendix 4 - Word Lists by Language

ToSqueeze	ekspremir	ay-k-s-p-er-ay-m-e-er
ToSqueeze-Serrere	serar	s-ay-r-ah-er
ToSqueeze-Serare	θerar	th-ay-r-ah-er
ToSqueeze-Appetoreare	apretar	ah-p-er-ay-t-ah-er
ToSqueeze-Stringere	estrenir	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	laþar	l-ah-bb-ah-er
ToWipe-Extergere	estarsir	ay-s-t-ah-er-s-e-er
ToWipe-Exsucare	enxugar	ay-n-xha-u-g-ah-er
ToWipe-Limpidare	limpiar	l-e-m-p-jg-ah-er
ToPull	tirar	t-e-er-ah-er
ToPull-Pulsare	puxar	p-u-xha-ah-er
ToThrow	eþar	ay-ts-ah-er
ToThrow-Lanceare	lanθar	l-ah-n-th-ah-er
ToThrow-Eruncare	arankar	ah-r-ah-n-k-ah-er
ToTie	legar	l-ay-g-ah-er
ToTie-Aptare	atar	ah-t-ah-er
ToSew	koser	k-oh-s-ay-er
ToCount	kontar	k-oh-n-t-ah-er
ToCount-Enumerare	enumerar	ay-n-u-m-ay-er-ah-er
ToSay	deθir	d-ay-th-e-er
ToSing-AncestralClass	kantar	k-ah-n-t-ah-er
ToPlay-Ludere	ludir	l-u-d-e-er
ToPlay-Jiocare	xugar	xha-u-j-ah-er
ToFloat	flugtwar	f-l-u-g-t-w-ah-er
ToFlow	fluir	f-l-u-e-er
ToFlow-Colare	kolar	k-oh-l-ah-er
ToFlow-Excurrere	eskurir	ay-s-k-u-r-e-er
ToFlow-Currere	korer	k-oh-r-ay-er
ToFreeze	clar	ay-l-ah-er
ToBurn-Cremare	kemar	k-ay-m-ah-er
ToBurn-Flammare	flamear	f-l-ah-m-ay-ah-er
ToBurn-Ardere	arder	ah-er-d-ay-er
ToBurn-Flagrare	flagrar	f-l-ah-g-er-ah-er
ToBurn-Incendere	enθender	ay-n-th-ay-n-d-ay-er
All-Totus	todo	t-oh-d-oh
Many	mutfo	m-u-ts-oh
Many-Tantus	tanto	t-ah-n-t-oh
Some	alguno	ah-l-j-u-n-oh
Few	poko	p-oh-k-oh
Other	otro	oh-t-er-oh
Big	mapo	m-ah-VdPalatalNasal-oh
Big-Grandem	grande	g-er-ah-n-d-ay
Long-Longum	longo	l-oh-n-j-oh
Long-Largum	laryo	l-ah-er-juh-oh
Wide	lato	l-ah-t-oh
Wide-Amplum	anfpo	ah-n-ts-oh
Thick	graso	g-er-ah-s-oh
Thick-Spissum	espeso	ay-s-p-ay-s-oh
Thick-Gurdum	gordo	g-oh-er-d-oh
Heavy	grabe	g-er-ah-b-ay
Heavy-Lurdus	lerdo	l-ay-er-d-oh
Heavy-Pesant	pesaðo	p-ay-s-ah-dd-oh
Small-Pittinus	pekepo	p-ay-k-ay-VdPalatalNasal-oh
Short	korto	k-oh-er-t-oh

Appendix 4 - Word Lists by Language

Short-Brevis	brebe	b-er-ay-b-ay
Narrow	angosto	ah-n-g-oh-s-t-oh
Narrow-Strictus	estreŋfo	ay-s-t-er-ay-ts-oh
Thin	menudo	m-ay-n-u-d-oh
Thin-Delicatus	delyaðo	d-ay-l-juh-ah-dd-oh
Thin-Subtilis	sutil	s-u-t-e-l
Dry	seko	s-ay-k-oh
Right-Dextrem	djestro	d-jg-ay-s-t-er-oh
Right-Directus	dereŋfo	d-ay-er-ay-ts-oh
Red	roxo	r-oh-xha-oh
Red-Vermiculus	bermexo	b-ay-er-m-ay-xha-oh
Red-Rubeus	rubjo	r-u-b-jg-oh
Green	berde	b-ay-er-d-ay
Yellow-Amarellus	amarijo	ah-m-ah-er-e-VdPalatalFricative-oh
White	albo	ah-l-b-oh
One	uno	u-n-oh
Two-Duos	dos	d-oh-s
Three	tres	t-er-ay-s
Four	kwatro	k-w-ah-t-er-oh
Five	θinko	th-e-n-k-oh
Here	aki	ah-k-e
There	aja	ah-VdPalatalFricative-ah
There-Adlbi	ai	ah-e
Who-Quem	kjen	k-jg-ay-n
What	ke	k-ay
When-Quando	kwando	k-w-ah-n-d-oh
How-Quomodo	komo	k-oh-m-oh
Not	no	n-oh
Not-Nec	ni	n-e
And-Et	i	e

Italian

Cognate	IPA	Sounds
I	io	e-oh
We	no:i	n-O-e
YouPlural	vo:i	v-O-e
YouSingular	tu	t-u
Woman	femmina	f-ay-m-m-e-n-ah
Woman-Mulier	moʎʎe	m-oh-yuh-yuh-ay
Woman-Domina	donna	d-euh-n-n-ah
ManHumanBeing-Homo	womo	w-euh-m-oh
Child	fante	f-ah-n-t-ay
Child-Ninnus	nino	n-e-n-oh
Wife	spɔza	s-p-euh-zz-ah
Wife-Mulier	moʎʎe	m-oh-yuh-yuh-ay
Husband	marito	m-ah-r-e-t-oh
Husband-Sponsus	spɔzo	s-p-euh-zz-oh
Husband-Socius	sɔʎfo	s-euh-ts-oh
Mother	ma:dre	m-A-d-r-ay
Father	pa:dre	p-A-d-r-ay
Father-Tata	tata	t-ah-t-ah
Animal-Bestia	biʎʎa	b-e-shh-shh-ah
Fish-Piskem	peʎʎe	p-ay-shh-shh-ay
Bird-Avicellum	utʎello	u-t-ts-eh-l-l-oh
Bird-Passerem	passero	p-ah-s-s-ay-r-oh

Appendix 4 - Word Lists by Language

Louse	pidəkkjo	p-e-d-euh-k-k-jg-oh
Snake	serpente	s-ay-r-p-ay-n-t-ay
Snake-Serpens	serpe	s-eh-r-p-ay
Worm	verme	v-ay-r-m-ay
Tree	albero	ah-l-b-ay-er-oh
Forest	selva	s-ay-l-v-ah
Stick	palo	p-ah-l-oh
Fruit	frutto	f-r-u-t-t-oh
Leaf	fəʎʎa	f-euh-yuh-yuh-ah
Leaf-Frondea	frondza	f-r-oh-n-VdPalatoAlveolarAffricate-ah
Root-Radix	radi:ʎe	r-ah-d-E-ts-ay
BarkOfATree	kortiʎe	k-oh-r-t-e-ts-ay
BarkOfATree-Corticea	kortetʎa	k-oh-r-t-ay-t-ts-ah
BarkOfATree-Skorteia	skortsa	s-k-euh-r-VAlveolarSibilantAffricate-ah
Flower	fjo:re	f-jg-O-er-ay
Grass	erba	eh-r-b-ah
Blood	sangwe	s-ah-n-g-w-ay
Egg	wəvo	w-euh-v-oh
Tail	koda	k-oh-d-ah
Feather	pjuma	p-jg-u-m-ah
Feather-Penna	penna	p-ay-n-n-ah
Hair	pelo	p-ay-l-oh
Hair-Capillus	kapello	k-ah-p-ay-l-l-oh
Head	kavettsa	k-ah-v-ay-t-t-s-ah
Head-Testa	testa	t-eh-s-t-ah
Ear	orekkja	oh-r-ay-k-k-jg-ah
Eye	əkkjo	euh-k-k-jg-oh
Nose	na:so	n-A-s-oh
Nose-Nares	nariʎe	n-ah-r-e-ts-ay
Mouth	bokka	b-oh-k-k-ah
Mouth-Gula	gola	j-oh-l-ah
Wing	ala	ah-l-ah
Neck	kollo	k-oh-l-l-oh
Back	dosso	d-euh-s-s-oh
Back-Spatula	spalla	s-p-ah-l-l-ah
Breast	seno	s-ay-n-oh
Breast-Pectus	petto	p-eh-t-t-oh
Heart	kwore	k-w-euh-r-ay
Heart-Anima	alma	ah-l-m-ah
Liver	fegato	f-ay-g-ah-t-oh
Sun	sole	s-oh-l-ay
Moon	luna	l-u-n-ah
Star	stella	s-t-ay-l-l-ah
Water	akkwa	ah-k-k-w-ah
Rain	pjoddʒa	p-jg-oh-d-VdPalatoAlveolarSibilant-ah
River	fjume	f-jg-u-m-ay
River-Rivus	rio	r-e-oh
Lake	lago	l-ah-g-oh
Sea	mare	m-ah-r-ay
Salt	sale	s-ah-l-ay
Earth	terra	t-eh-r-r-ah
Cloud	nube	n-u-b-ay
Cloud-Secondary	nuvola	n-u-v-oh-l-ah
Fog	kalidʒine	k-ah-l-e-VdPalatoAlveolarSibilant-e-n-ay
Fog-Nebula	nebbja	n-ay-b-b-jg-ah
Fog-Tenebrae	te:nebre	t-Eh-n-ay-b-r-ay
Fog-Tenebras	te:nebre	t-Eh-n-ay-b-r-ay

Appendix 4 - Word Lists by Language

Fog-Fumata	fuma:ta	f-u-m-A-t-ah
Sky	ʃɛlo	ts-eh-l-oh
Wind	vento	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
Ash	ʃɛnere	ts-ay-n-ay-r-ay
Mountain	monte	m-oh-n-t-ay
Mountain-Montanea	montaɲpa	m-oh-n-t-ah-VdPalatalNasal-VdPalatalNasal-ah
Night	notte	n-euh-t-t-ay
Day	di	d-e
Day-Diurnus	dʒorno	VdPalatoAlveolarSibilant-oh-r-n-oh
Day-Diurnata	dʒornata	VdPalatoAlveolarSibilant-oh-r-n-ah-t-ah
Year	anno	ah-n-n-oh
Name-Nomen	no:me	n-O-m-ay
Tongue	lingwa	l-e-n-g-w-ah
ToDrink	bere	b-ay-er-ay
ToEat-Manducare	mandʒare	m-ah-n-VdPalatoAlveolarSibilant-ah-er-ay
ToBite	mordere	m-euh-r-d-ay-r-ay
ToBite-Morsicare	morsikare	m-oh-r-s-e-k-ah-er-ay
ToSpit-Sputare	sputare	s-p-u-t-ah-er-ay
ToKnow-Sapere	sapere	s-ah-p-ay-r-ay
ToKnow-Cognoscere	konoʃʃere	k-oh-n-oh-shh-shh-ay-r-ay
ToThink	kodʒitare	k-oh-VdPalatoAlveolarSibilant-e-t-ah-r-ay
ToThink-Pensare	pensare	p-ay-n-s-ah-er-ay
ToFear	temere	t-ay-m-ay-r-ay
ToFear-Tremere	tremare	t-r-ay-m-ah-r-ay
ToSleep	dormire	d-oh-r-m-e-r-ay
ToLive	vivere	v-e-v-ay-r-ay
ToDie	morire	m-oh-r-e-r-ay
ToKill-Adnecare	annegare	ah-n-n-ay-g-ah-r-ay
ToKill-Occidere	utʃidere	u-t-ts-e-d-ay-er-ay
ToFight	punɲare	p-u-VdPalatalNasal-VdPalatalNasal-ah-r-ay
ToFight-Battuere	battere	b-ah-t-t-ay-r-ay
ToHunt-Captiare	katʃare	k-ah-t-ts-ah-r-ay
ToHit	pulsare	p-u-l-s-ah-r-ay
ToCut	segare	s-ay-j-ah-r-ay
ToCut-Excurtare	skortare	s-k-oh-r-t-ah-r-ay
ToCut-Taliare	taʎla:re	t-ah-yuh-yuh-A-r-ay
ToSplit	dividere	d-e-v-e-d-ay-r-ay
ToSplit-Scindere	ʃindere	shh-e-n-d-ay-r-ay
ToSplit-Findere	fendere	f-eh-n-d-ay-r-ay
ToSplit-Partire	partire	p-ah-r-t-e-r-ay
ToSplit-Separare	separare	s-ay-p-ah-r-ah-r-ay
ToStab	pundʒere	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	merdʒere	m-eh-r-VdPalatoAlveolarSibilant-ay-r-ay
ToWalk-Ambitare	andare	ah-n-d-ah-r-ay

Appendix 4 - Word Lists by Language

ToCome	venire	v-ay-n-e-er-ay
ToLieAsInABed	estendere	ay-s-t-eh-n-d-ay-r-ay
ToLieAsInABed-lacere	dʒaʃe:re	VdPalatoAlveolarSibilant-ah-ts-ai-er-ay
ToSit	sedere	s-ay-d-ay-r-ay
ToStand	stare	s-t-ah-r-ay
ToStand-Levare	levare	l-ay-v-ah-r-ay
ToStand-Altiare	altsare	ah-l-VlAlveolarSibilantAffricate-ah-r-ay
ToTurnIntransitive	tornare	t-oh-r-n-ah-r-ay
ToTurnIntransitive-Gyrate	dʒirare	VdPalatoAlveolarSibilant-e-r-ah-er-ay
ToTurnIntransitive-AncestralClass3	virare	v-e-r-ah-er-ay
ToTurnIntransitive-Torque	torʃere	t-euh-r-ts-ay-r-ay
ToFall	kadere	k-ah-d-ay-er-ay
ToHold	tenere	t-ay-n-ay-er-ay
ToSqueeze	spremere	s-p-r-eh-m-ay-r-ay
ToSqueeze-Serare	serrare	s-ay-r-r-ah-r-ay
ToSqueeze-Stringere	strindʒere	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	terdʒere	t-eh-r-VdPalatoAlveolarSibilant-ay-r-ay
ToWipe-Exsucare	aʃʃugare	ah-shh-shh-u-g-ah-r-ay
ToPull	tirare	t-e-r-ah-r-ay
ToPull-Pulsare	pulsare	p-u-l-s-ah-r-ay
ToPull-Trahere	trarre	t-r-ah-r-r-ay
ToPush	impindʒere	e-m-p-e-n-VdPalatoAlveolarSibilant-ay-r-ay
ToThrow	dʒettare	VdPalatoAlveolarSibilant-ay-t-t-ah-r-ay
ToThrow-Lanceare	lanʃare	l-ah-n-ts-ah-r-ay
ToThrow-Eruncare	arronʃare	ah-r-r-oh-n-ts-ah-r-ay
ToTie	legare	l-ay-g-ah-r-ay
ToSew	kuffire	k-u-ts-e-r-ay
ToCount	kontare	k-oh-n-t-ah-r-ay
ToCount-Enumerare	enumerare	ay-n-u-m-ay-r-ah-r-ay
ToSay	dire	d-e-r-ay
ToSay-Exponere	sporre	s-p-oh-r-r-ay
ToSing-AncestralClass	kantare	k-ah-n-t-ah-r-ay
ToPlay-Jiocare	dʒokare	VdPalatoAlveolarSibilant-oh-k-ah-r-ay
ToFloat	fluttuare	f-l-u-t-t-u-ah-r-ay
ToFloat-Fluitare	fluitare	f-l-u-e-t-ah-r-ay
ToFlow	fluire	f-l-u-e-r-ay
ToFlow-Colare	kolare	k-oh-l-ah-r-ay
ToFlow-Excurrere	skorrere	s-k-oh-r-r-ay-r-ay
ToFlow-Currere	korrere	k-oh-r-r-ay-r-ay
ToFreeze	dʒelare	VdPalatoAlveolarSibilant-ay-l-ah-r-ay
ToFreeze-Glaciare	gʒatʃʃare	g-jg-ah-t-ts-jg-ah-r-ay
ToBurn-Brojan	bruffare	b-r-u-ts-ah-r-ay
ToBurn-Cremare	kremare	k-r-ay-m-ah-r-ay
ToBurn-Flammare	fjammare	f-jg-ah-m-m-ah-r-ay
ToBurn-Ardere	ardere	ah-r-d-ay-r-ay
ToBurn-Flagrare	flagrare	f-l-ah-g-r-ah-r-ay
ToBurn-Incendere	inʃendjare	e-n-ts-eh-n-d-jg-ah-r-ay
ToBurn-AncestralClass8	ustolare	u-s-t-oh-l-ah-r-ay
All	opni	oh-VdPalatalNasal-VdPalatalNasal-e
All-Totus	tutto	t-u-t-t-oh
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

Appendix 4 - Word Lists by Language

Other	altro	ah-l-t-r-oh
Big	maŋpo	m-ah-VdPalatalNasal-VdPalatalNasal-oh
Big-Grandem	grande	g-r-ah-n-d-ay
Long-Longum	lungo	l-u-n-g-oh
Long-Largum	largo	l-ah-r-g-oh
Wide	lato	l-ah-t-oh
Wide-Amplum	ampjo	ah-m-p-jg-oh
Thick	grasso	g-r-ah-s-s-oh
Thick-Spissum	spesso	s-p-ay-s-s-oh
Thick-Grossum	grasso	j-r-euh-s-s-oh
Heavy	greve	g-r-eh-v-ay
Heavy-Lurdus	lordo	l-oh-r-d-oh
Heavy-Pesant	pesante	p-ay-s-ah-n-t-ay
Small-Pittinus	pitŋino	p-c-t-ts-e-n-oh
Small-Pitulus	pikkolo	p-e-k-k-oh-l-oh
Short	korto	k-oh-r-t-oh
Short-Brevis	brève	b-r-eh-v-ay
Narrow	angusto	ah-n-g-u-s-t-oh
Narrow-Strictus	stretto	s-t-r-ay-t-t-oh
Thin	minuto	m-e-n-u-t-oh
Thin-Delicatus	delikato	d-ay-l-e-k-ah-t-oh
Thin-Subtilis	sottile	s-oh-t-t-e-l-ay
Dry	sekko	s-ay-k-k-oh
Right-Dextrem	destro	d-eh-s-t-r-oh
Right-Directus	dextra	d-eh-s-t-r-ah
Red	rosso	r-oh-s-s-oh
Red-Vermiculus	vermiλλo	v-ay-r-m-e-yuh-yuh-oh
Red-Rubeus	robbjo	r-euh-b-b-jg-oh
Green	verde	v-ay-r-d-ay
Yellow-Croceus	krotŋeo	k-r-oh-ts-ay-oh
White	albo	ah-l-b-oh
One	uno	u-n-oh
Two-Duae	due	d-u-ay
Three	tre	t-r-ay
Four	kwattro	k-w-ah-t-t-r-oh
Five	ŋŋkwe	ts-e-nya-k-w-ay
Here	kwi	k-w-e
There	la	l-ah
There-Ibi	vi	v-e
Who-Qui	ki	k-e
What	ke	k-ay
When-Quando	kwando	k-w-ah-n-d-oh
How-Quomodo	kome	k-oh-m-ay
Not	non	n-oh-n
Not-Nec	ne	n-ay
And-Et	e	ay

Brazilian Portuguese

Cognate	IPA	Sounds
I	ew	ay-w
We	nɔjs	n-euh-jg-s
YouPlural	vɔjs	v-euh-jg-s
YouSingular	tu	t-u
YouSingular-VostramMercedem	vose	v-oh-s-ay
Woman	femeɐ	f-ay-m-ay-ahh

Appendix 4 - Word Lists by Language

Woman-Mulier	mulɛk	m-u-yuh-ay-rr
Woman-Domina	donɛ	d-oh-n-ahh
ManHumanBeing	omɛj	oh-m-nasal_diphthong_portuguese1
Child	ĩfɛjĩ	een-f-ahn-ts-e
Child-Ninnus	nenɛj	n-ay-n-nasal_diphthong_portuguese1
Wife	ispoza	e-s-p-oh-zz-ah
Wife-Mulier	mulɛk	m-u-yuh-ay-rr
Husband	maridu	m-ah-er-e-d-u
Husband-Sponsus	ispozu	e-s-p-oh-zz-u
Mother	mɛj	m-nasal_diphthong_portuguese2
Father	paj	p-aj_diphthong
Father-Tata	tata	t-ah-t-ah
Animal-Bestia	bɪfɛ	b-e-shh-ahh
Fish-Piskem	pɛjɪ	p-ej_diphthong-shh-e
Bird-Avem	avi	ah-v-e
Bird-Passerem	pasɛru	p-ah-s-ahh-er-u
Louse	pioɫu	p-e-oh-yuh-u
Snake	sɛkɾɛjɪ	s-ay-rr-p-ehn-ts-e
Worm	vɛkmi	v-ay-rr-m-e
Tree	akvori	ah-rr-v-oh-er-e
Forest	sɛwva	s-eh-w-v-ah
Stick	paw	p-ah-w
Fruit	frutɛ	f-er-u-t-ahh
Leaf	foɫɛ	f-oh-yuh-ahh
Leaf-Frondea	frɔsɛ	f-er-on-s-ahh
Root	ɾais	rr-ah-e-s
BarkOfATree	kɔkɟɪsi	k-euh-rr-ts-e-s-e
BarkOfATree-Corticea	kɔkɟɪsɛ	k-oh-rr-ts-e-s-ahh
Flower	floɾ	f-l-oh-rr
Grass	ɛkvɛ	ay-rr-v-ahh
Grass-Gramen	grɛmɛ	g-er-ahn-m-ahh
Blood	sɛgi	s-ahn-g-e
Egg	ovu	oh-v-u
Tail	kawdɛ	k-ah-w-d-ahh
Feather-Penna	pɛnɛ	p-ay-n-ahh
Hair	pelu	p-ay-l-u
Hair-Capillus	kabelu	k-ah-b-ay-l-u
Head	kabɛsɛ	k-ah-b-ay-s-ahh
Head-Testa	tɛstɛ	t-eh-s-t-ahh
Ear	oreɫɛ	oh-er-ay-yuh-ahh
Eye	oɫu	oh-yuh-u
Nose-Nares	naris	n-ah-er-e-s
Mouth	bokɛ	b-oh-k-ahh
Wing	a	ah
Neck	kɔɫu	k-euh-l-u
Back-Spatula	ɪspadwɛ	e-shh-p-ah-d-w-ahh
Breast	seju	s-ej_diphthong-u
Breast-Pectus	pɛjtu	p-ej_diphthong-t-u
Heart	kɔɾ	k-euh-rr
Heart-Anima	awmɛ	ah-w-m-ahh
Liver	figɛdu	f-e-g-ahh-d-u
Sun	sɔw	s-euh-w
Moon	luɛ	l-u-ahh
Star	istrelɛ	e-s-t-er-ay-l-ahh
Water	agwɛ	ah-g-w-ahh
Rain	ɟuve	shh-u-v-ahh
River	flumi	f-l-u-m-e

Appendix 4 - Word Lists by Language

River-Rivus	ꞑiw	rr-e-w
Lake	lagu	l-ah-g-u
Sea	maꞑ	m-ah-rr
Salt	saw	s-ah-w
Earth	teꞑe	t-ay-rr-ahh
Cloud	nuvẽj	n-u-v-nasal_diphthong_portuguese1
Cloud-Secondary	nubladu	n-u-b-l-ah-d-u
Fog	kalizẽj	k-ah-l-e-gzah-nasal_diphthong_portuguese1
Fog-Nebula	nevwe	n-eh-v-w-ahh
Fog-Fumata	fumase	f-u-m-ah-s-ahh
Sky	sew	s-eh-w
Wind	vẽtu	v-ehn-t-u
Smoke	fumu	f-u-m-u
Fire-Focus	fogu	f-oh-g-u
Ash-Cinisia	sizẽf	s-een-zz-ahh-shh
Mountain	mõtfj	m-on-ts-e
Mountain-Montanea	mõteꞑe	m-on-t-ahn-VdPalatalNasal-ahh
Night	nojti	n-oj_diphthong-t-eee
Day	diẽ	d-e-ahh
Day-Diurna	zõꞑna	gzah-euh-rr-n-ah
Year	ẽnu	ahh-n-u
Name-Nomen	nomi	n-oh-m-e
Tongue	liꞑwe	l-een-g-w-ahh
ToDrink	bebeꞑ	b-ay-b-ay-rr
ToEat	kome	k-oh-m-ay
ToEat-Manducare	mẽzãꞑ	m-ahn-gzah-ah-rr
ToBite	moꞑdeꞑ	m-oh-rr-d-ay-rr
ToBite-Morsicare	musõga	m-u-s-aah-g-ah
ToSuck	sugãꞑ	s-u-g-ah-rr
ToSpit	kuspiꞑ	k-u-s-p-e-rr
ToKnow-Sapere	sabeꞑ	s-ah-b-ay-rr
ToKnow-Cognoscere	koꞑeseꞑ	k-oh-VdPalatalNasal-ay-s-ay-rr
ToThink	kuzitaꞑ	k-u-gzah-e-t-ah-rr
ToThink-Pensare	pẽsaꞑ	p-ehn-s-ah-rr
ToFear	temeꞑ	t-ay-m-ay-rr
ToFear-Tremere	tremeꞑ	t-er-ay-m-ay-rr
ToSleep	doꞑmiꞑ	d-oh-rr-m-e-rr
ToLive	viveꞑ	v-e-v-ay-rr
ToDie	moꞑeꞑ	m-oh-rr-ay-rr
ToKill-Mactare	mataꞑ	m-ah-t-ah-rr
ToFight-Battuere	bateꞑ	b-ah-t-ay-rr
ToHunt-Captiare	kasãꞑ	k-ah-s-ah-rr
ToHit	puꞑãꞑ	p-u-shh-ah-rr
ToCut	segaꞑ	s-ay-g-ah-rr
ToCut-Curtare	koꞑtaꞑ	k-oh-rr-t-ah-rr
ToCut-Taliare	taꞑãꞑ	t-ah-yuh-ah-rr
ToSplit	dzivĩdzĩꞑ	VdPalatoAlveolarSibilant-e-v-e-VdPalatoAlveolarSibilant-e-rr
ToSplit-Findere	fẽdeꞑ	f-ehn-d-ay-rr
ToSplit-Partire	paꞑtfjĩꞑ	p-ah-rr-ts-e-rr
ToSplit-Separare	separaꞑ	s-ay-p-ah-er-ah-rr
ToStab	pũziꞑ	p-ooo-gzah-e-rr
ToScratch	ꞑaeꞑ	rr-ah-ay-rr
ToScratch-Rasare	ꞑazaꞑ	rr-ah-zz-ah-rr
ToScratch-Rasicare	ꞑãꞑkaꞑ	rr-ah-shh-k-ah-rr
ToScratch-Coctiare	kosaꞑ	k-oh-s-ah-VdRetroflexApproximant
ToDig-Cavare	kevaꞑ	k-ahh-v-ah-rr
ToDig-Excavare	ĩꞑkevaꞑ	e-shh-k-ahh-v-ah-rr

Appendix 4 - Word Lists by Language

ToSwim	nadaɤ	n-ah-d-ah-rr
ToSwim-Navigare	naviɣaɤ	n-ah-v-eee-juh-ah-rr
ToFly	voaɤ	v-oh-ah-rr
ToWalk	kəmiɲaɤ	k-ahh-m-e-VdPalatalNasal-ah-rr
ToWalk-Ambitare	ẽdaɤ	ahn-d-ah-rr
ToCome	viɤ	v-e-rr
ToLieAsInABed	istẽdeɤ	e-s-t-ehn-d-ay-rr
ToLieAsInABed-lacere	ʒəzeɤ	gzah-ahh-zz-ay-rr
ToSit	seɤ	s-ay-rr
ToSit-Sedentare	sẽtar	s-ehn-t-ah-er
ToStand	iftaɤ	eee-shh-t-ah-er
ToStand-Levare	levaɤ	l-ay-v-ah-rr
ToStand-Altiare	aɭsa	ah-ssha-s-ah
ToTurnIntransitive	toɤnaɤ	t-oh-rr-n-ah-rr
ToTurnIntransitive-Gyrare	ʒiɤaɤ	gzah-e-er-ah-er
ToTurnIntransitive-AncestralClass3	viɤaɤ	v-e-er-ah-er
ToTurnIntransitive-Torquere	turser	t-u-r-s-ay-r
ToFall	kəiɤ	k-ahh-e-er
ToFall-Tumbare	tõbaɤ	t-on-b-ah-rr
ToHold	teɤ	t-ay-rr
ToHold-Segurar	siguraɤ	s-eee-g-u-er-ah-rr
ToSqueeze	ijprəmeɤ	e-shh-p-r-aah-m-ay-rr
ToSqueeze-Serrere	seɤa	s-ay-rr-ah
ToSqueeze-Serare	siɤaɤ	s-eee-rr-ah-er
ToSqueeze-Appetorare	əpiɤtaɤ	ahh-p-eee-er-t-ah-er
ToSqueeze-Stringere	əʃtriɣiɤ	aah-shh-t-r-eeen-gzah-e-r
ToRub-Exfricare	ijfriɣaɤ	eee-shh-f-er-eee-g-ah-er
ToWash	leɤvaɤ	l-ahh-v-ah-er
ToWipe-Exsucare	ẽʃuɣaɤ	ehn-shh-u-g-ah-er
ToWipe-Limpidare	liɤpaɤ	l-eeen-p-ah-er
ToPull	ʃfiɤa	ts-e-er-ah
ToPull-Pulsare	puɤfaɤ	p-u-shh-ah-er
ToPull-Trahere	traze	t-er-ah-zz-ay
ToThrow	ʒejtaɤ	gzah-ej_diphthong-t-ah-er
ToThrow-Lanceare	lɛsa	l-ahn-s-ah
ToTie-Aptare	ətaɤ	ahh-t-ah-er
ToSew	kuzer	k-u-zz-ay-er
ToCount	kõtaɤ	k-on-t-ah-er
ToCount-Enumerare	enumeraɤ	ay-n-u-m-ay-er-ah-er
ToSay	dizer	d-e-zz-ay-er
ToSing-AncestralClass	kẽtaɤ	k-ahn-t-ah-er
ToPlay-Jiocare	ʒogaɤ	gzah-oh-g-ah-rr
ToFloat	flutuɤ	f-l-u-t-u-ah-rr
ToFlow	flwiɤ	f-l-w-e-rr
ToFlow-Colare	koaɤ	k-oh-ah-rr
ToFlow-Excurrere	ijkoɤveɤ	e-shh-k-oh-rr-ay-rr
ToFlow-Currere	koɤveɤ	k-oh-rr-ay-rr
ToFreeze	ʒilaɤ	gzah-eee-l-ah-er
ToBurn-Cremare	keɤjmaɤ	k-diphthong_portuguese-m-ah-er-ay
ToBurn-Ardere	aɤdeɤ	ah-rr-d-ay-rr
ToBurn-Flagrare	flagɤaɤ	f-l-ah-j-rr-ah-rr
ToBurn-Incendere	ĩsendʒiɤaɤ	een-s-ay-n-VdPalatoAlveolarSibilant - NearCloseFrontUnrounded-ah-er
All-Totus	todu	t-oh-d-u
Many	mũɣtu	m-ooo-jn-t-u
Many-Tantus	tɛtu	t-ahn-t-u
Some	awɣũ	ah-w-g-ooo

Appendix 4 - Word Lists by Language

Few	powku	p-oh-w-k-u
Other	owtru	oh-w-t-er-u
Other-Alius	aw	ah-w
Big-Grandem	grẽdʒi	g-er-ahn-VdPalatoAlveolarSibilant-e
Long-Longum	lõgu	l-on-g-u
Long-Largum	laɾgu	l-ah-rr-g-u
Wide	latu	l-ah-t-u
Wide-Amplum	ẽfu	ahn-shh-u
Thick-Spissum	espesu	ay-s-p-eh-s-u
Thick-Grossum	grosu	g-er-oh-s-u
Heavy	gravi	g-er-ah-v-e
Heavy-Lurdus	lerdo	l-ay-er-d-oh
Heavy-Pesant	pezadu	p-ay-zz-ah-d-u
Small-Pittinus	pekenu	p-ay-k-ay-n-u
Short	kustu	k-u-rr-t-u
Short-Brevis	br̃evi	b-er-eh-v-e
Narrow-Strictus	istrejtu	e-s-t-er-ej_diphthong-t-u
Thin	miudu	m-e-u-d-u
Thin-Delicatus	dewgadu	d-ay-w-g-ah-d-u
Thin-Subtilis	suʃt̃iw	s-u-ts-e-w
Dry	seku	s-ay-k-u
Right-Dextrem	destru	d-eh-s-t-er-u
Right-Directus	direjt̃e	d-e-er-diphthong_portuguese-t-ahh
Red	ɾoʃu	rr-oh-shh-NearCloseBackRounded
Red-Vermiculus	veɾmeʎu	v-ay-rr-m-ay-yuh-u
Red-Rubeus	rubeo	r-u-b-ay-oh
Green	verdi	v-ay-er-d-eee
Yellow-Amarellus	ẽmareʎu	ahh-m-ah-er-eh-l-u
White	awvu	ah-w-v-u
One	ũ	ooo
Two-Duos	dojs	d-øj_diphthong-s
Two-Duas	dues	d-u-ahh-s
Three	tres	t-er-ay-s
Four	kwatru	k-w-ah-t-er-u
Five	siku	s-een-k-u
Here	aki	ah-k-e
There	la	l-ah
There-Adlbi	ai	ah-e
Who-Quem	kẽj̃	k-nasal_diphthong_portuguese l
What	ki	k-e
When-Quando	kwẽdu	k-w-ahn-d-u
How-Quomodo	komu	k-oh-m-u
Not	nẽw̃	n-au_diphthong_nasal
Not-Nec	nẽj̃	n-nasal_diphthong_portuguese l
And-Et	i	e

Portuguese

Cognate	IPA	Sounds
I	ew	ay-w
We	nɔʃ	n-euh-shh
YouPlural	voʃ	v-oh-shh
YouSingular	tu	t-u
YouSingular-VostramMercedem	vɔse	v-euh-s-ay
Woman	femj̃e	f-ay-m-jg-ahh
Woman-Mulier	muʎer	m-u-yuh-ay-er

Appendix 4 - Word Lists by Language

Woman-Domina	done	d-oh-n-ahh
ManHumanBeing	omej	euh-m-nasal_diphthong_portuguese1
Child	ifeti	een-f-ahn-t-eee
Child-Ninnus	nenej	n-ay-n-nasal_diphthong_portuguese1
Wife	ifpoze	eee-shh-p-oh-zz-ahh
Wife-Mulier	muler	m-u-yuh-ay-er
Husband	meridu	m-ahh-er-e-dd-u
Husband-Sponsus	ifpozu	eee-shh-p-oh-zz-u
Mother	mej	m-nasal_diphthong_portuguese2
Father	paj	p-aj_diphthong
Father-Tata	tata	t-ah-t-ah
Animal-Bestia	bife	b-e-shh-ahh
Fish-Piskem	pejfi	p-diphthong_portuguese-shh-eee
Bird-Avem	avi	ah-v-eee
Bird-Passerem	paseru	p-ah-s-ahh-er-u
Louse	piofu	p-e-oh-yuh-u
Snake	sirpeti	s-eee-er-p-ehn-t-eee
Worm	vermi	v-ay-er-m-eee
Tree	arvuri	ah-er-v-u-er-eee
Forest	selve	s-eh-ssha-v-ahh
Stick	paw	p-ah-w
Fruit	frute	f-er-u-t-ahh
Leaf	folle	f-oh-yuh-ahh
Leaf-Frondea	fronse	f-er-on-s-ahh
Root	xeif	rr-ahh-e-shh
BarkOfATree	kortisi	k-euh-er-t-e-s-eee
BarkOfATree-Corticea	kurtise	k-u-er-t-e-s-ahh
Flower	flor	f-l-oh-er
Grass	erve	eh-er-v-ahh
Grass-Gramen	gremre	g-er-ahh-m-ahh
Blood	sagi	s-ahn-g-eee
Egg	ovu	oh-v-u
Tail	kawde	k-ah-w-d-ahh
Feather-Penna	pene	p-ay-n-ahh
Hair	pilu	p-eee-l-u
Hair-Capillus	kebelu	k-ahh-bb-ay-l-u
Head	kebesre	k-ahh-bb-ay-s-ahh
Head-Testa	tefte	t-eh-shh-t-ahh
Ear	orejle	oh-er-diphthong_portuguese-yuh-ahh
Eye	ofu	oh-yuh-u
Nose-Nares	nerif	n-ahh-er-e-shh
Mouth	boke	b-oh-k-ahh
Wing	a	ah
Neck	kofu	k-euh-l-u
Back-Spatula	ifpadwe	e-shh-p-ah-d-w-ahh
Breast	seju	s-diphthong_portuguese-u
Breast-Pectus	pejtu	p-diphthong_portuguese-t-u
Heart	kor	k-oh-er
Heart-Anima	almre	ah-l-m-ahh
Liver	fiyeđu	f-e-juh-ahh-dd-u
Sun	sot	s-euh-ssha
Moon	lue	l-u-ahh
Star	iftrelle	eee-shh-t-er-ay-l-ahh
Water	agwe	ah-g-w-ahh
Rain	fuve	shh-u-v-ahh
River	flumi	f-l-u-m-eee
River-Rivus	riu	rr-e-u

Appendix 4 - Word Lists by Language

Lake	layu	l-ah-juh-u
Sea	mar	m-ah-er
Salt	sal	s-ah-l
Earth	teɾe	t-eh-rr-ahh
Cloud	nuvẽj	n-u-v-nasal_diphthong_portuguese2
Cloud-Secondary	nubladu	n-u-b-l-ah-d-u
Fog	keliʒẽj	k-ahh-l-e-gzah-nasal_diphthong_portuguese2
Fog-Nebula	nevwe	n-eh-v-w-ahh
Fog-Tenebras	trevef	t-er-eh-v-ahh-shh
Fog-Fumata	fumasø	f-u-m-ah-s-ahh
Sky	sew	s-eh-w
Wind	vẽtu	v-ehn-t-u
Smoke	fumu	f-u-m-u
Fire-Focus	foɣu	f-oh-juh-u
Ash-Cinisia	sizẽf	s-eeen-zz-ahh-shh
Mountain	mõti	m-on-t-eee
Mountain-Montanea	mõteɾe	m-on-t-ahh-VdPalatalNasal-ahh
Night	nojti	n-oj_diphthong-t-eee
Day	diø	d-c-ahh
Day-Diurna	ʒoɾna	gzah-euh-rr-n-ah
Year	enu	ahh-n-u
Name-Nomen	nomi	n-oh-m-eee
Tongue	liɣwe	l-eeen-g-w-ahh
ToDrink	biɸer	b-eee-bb-ay-er
ToEat	kumer	k-u-m-ay-er
ToEat-Manducare	mẽzar	m-ahn-gzah-ah-er
ToBite	murðer	m-u-er-dd-ay-er
ToBite-Morsicare	musəgar	m-u-s-aah-g-ah-r
ToSuck	sugar	s-u-g-ah-er
ToSpit	kuɸpir	k-u-shh-p-e-er
ToKnow-Sapere	søber	s-ahh-b-ay-er
ToKnow-Cognoscere	kupiser	k-u-VdPalatalNasal-eee-s-ay-er
ToThink	kuzitar	k-u-gzah-e-t-ah-er
ToThink-Pensare	pẽsar	p-ehn-s-ah-er
ToFear	timer	t-eee-m-ay-er
ToFear-Tremere	trimer	t-er-eee-m-ay-er
ToSleep	durmir	d-u-er-m-e-er
ToLive	viver	v-e-v-ay-er
ToDie	muker	m-u-rr-ay-er
ToKill-Mactare	metar	m-ahh-t-ah-er
ToFight-Battuere	bøter	b-ahh-t-ay-er
ToHunt-Captiare	køsar	k-ahh-s-ah-er
ToHit	pufar	p-u-shh-ah-er
ToCut	siɣar	s-eee-juh-ah-er
ToCut-Curtare	kurtar	k-u-er-t-ah-er
ToCut-Taliare	tølar	t-ahh-yuh-ah-er
ToSplit	diviðir	d-e-v-e-dd-e-er
ToSplit-Findere	fẽder	f-ehn-d-ay-er
ToSplit-Partire	pøtir	p-ahh-er-t-e-er
ToSplit-Separare	sipørar	s-eee-p-ahh-er-ah-er
ToStab	pũzir	p-ooo-gzah-e-er
ToScratch	køer	rr-ahh-ay-er
ToScratch-Rasare	køzar	rr-ahh-zz-ah-er
ToScratch-Rasicare	køɸkar	rr-ahh-shh-k-ah-er
ToScratch-Coctiare	kusar	k-u-s-ah-er
ToDig-Cavare	køvar	k-ahh-v-ah-er
ToDig-Excavare	ijkøvar	e-shh-k-ahh-v-ah-er

Appendix 4 - Word Lists by Language

ToSwim	nəðar	n-ahh-dd-ah-er
ToSwim-Navigare	neviyar	n-ahh-v-eee-juh-ah-er
ToFly	vwar	v-w-ah-er
ToWalk	kəminar	k-ahh-m-e-VdPalatalNasal-ah-er
ToWalk-Ambitare	ēdar	ahn-d-ah-er
ToCome	vir	v-e-er
ToLieAsInABed	iftēder	e-shh-t-ehn-d-ay-er
ToLieAsInABed-lacere	zəzer	gzah-ahh-zz-ay-er
ToSit	ser	s-ay-er
ToSit-Sedentare	sētar	s-ehn-t-ah-er
ToStand	iftar	eee-shh-t-ah-er
ToStand-Levare	livar	l-eee-v-ah-er
ToStand-Altiare	ałsar	ah-ssha-s-ah-er
ToTurnIntransitive	turnar	t-u-er-n-ah-er
ToTurnIntransitive-Gyrare	zırar	gzah-e-er-ah-er
ToTurnIntransitive-AncestralClass3	zırar	gzah-e-er-ah-er
ToTurnIntransitive-Torquere	turser	t-u-r-s-ay-r
ToFall	kəir	k-ahh-e-er
ToFall-Tumbare	tōbar	t-on-b-ah-er
ToHold	ter	t-ay-er
ToHold-Segurar	siyurar	s-eee-juh-u-er-ah-er
ToSqueeze	ijprəmer	e-shh-p-r-aah-m-ay-r
ToSqueeze-Serrere	sərar	s-aah-VIUvularTrill-ah-er
ToSqueeze-Serare	sıkar	s-eee-rr-ah-er
ToSqueeze-Appetorare	əpirtar	ahh-p-eee-er-t-ah-er
ToSqueeze-Stringere	əftrıgır	aah-shh-t-r-ehn-gzah-e-r
ToRub-Exfricare	ıffrıyar	eee-shh-f-er-eee-juh-ah-er
ToWash	ləvar	l-ahh-v-ah-er
ToWipe-Exsucare	ēfuyar	ehn-shh-u-juh-ah-er
ToWipe-Limpidare	līpar	l-ehn-p-ah-er
ToPull	tırar	t-e-er-ah-er
ToPull-Pulsare	puřar	p-u-shh-ah-er
ToPull-Trahere	trəzer	t-er-ahh-zz-ay-er
ToThrow	zejtar	gzah-ej_diphthong-t-ah-er
ToThrow-Lanceare	ləsar	l-ahn-s-ah-er
ToTie-Aptare	ətar	ahh-t-ah-er
ToSew	kuzer	k-u-zz-ay-er
ToCount	kōtar	k-on-t-ah-er
ToCount-Enumerare	enumerar	ay-n-u-m-ay-er-ah-er
ToSay	dizer	d-e-zz-ay-er
ToSing-AncestralClass	kētar	k-ahn-t-ah-er
ToPlay-Jiocare	zuvar	gzah-u-juh-ah-er
ToFloat	flutuar	f-l-u-t-u-ah-er
ToFlow	flwir	f-l-w-e-er
ToFlow-Colare	kuar	k-u-ah-er
ToFlow-Excurrere	ıfkurer	e-shh-k-u-VIUvularTrill-ay-er
ToFlow-Currere	kurer	k-u-rr-ay-er
ToFreeze	zılar	gzah-eee-l-ah-er
ToBurn-Cremare	kejmaæ	k-ej_diphthong-m-ah-rr-ay
ToBurn-Ardere	ərder	ahh-er-d-ay-er
ToBurn-Flagrare	flagrar	f-l-ah-g-er-ah-er
ToBurn-Incendere	ışēdjar	ehn-s-ehn-d-jg-ah-er
All-Totus	toðu	t-oh-dd-u
Many	mūjtu	m-ooo-jn-t-u
Many-Tantus	tətu	t-ahn-t-u
Some	atgū	ah-ssha-g-ooo
Few	powku	p-oh-w-k-u

Appendix 4 - Word Lists by Language

Other	owtru	oh-w-t-er-u
Other-Alius	ał	ah-ssha
Big-Grandem	grēdi	g-er-ahn-d-eee
Long-Longum	lōgu	l-on-g-u
Long-Largum	largu	l-ah-er-g-u
Wide	latu	l-ah-t-u
Wide-Amplum	ēfu	ahn-shh-u
Thick	grafu	g-er-ah-shh-u
Thick-Spissum	ifpesu	e-shh-p-ay-s-u
Thick-Grossum	grosu	j-er-oh-s-u
Heavy	gravi	g-er-ah-v-eee
Heavy-Lurdus	lerdo	l-ay-er-d-oh
Heavy-Pesant	pizaðu	p-eee-zz-ah-dd-u
Small-Pittinus	pikenu	p-eee-k-ay-n-u
Short	kurtu	k-u-er-t-u
Short-Brevis	brēvi	b-er-eh-v-eee
Narrow-Strictus	iftrējtu	eee-shh-t-er-diphthong_portuguese-t-u
Thin	miuðu	m-e-u-dd-u
Thin-Delicatus	deŷaðu	d-ch-ssha-juh-ah-dd-u
Thin-Subtilis	suŷtīw	s-u-ts-e-w
Dry	seku	s-ay-k-u
Right-Dextrem	deŷtru	d-eh-shh-t-er-u
Right-Directus	direjtē	d-e-r-diphthong_portuguese-t-ahh
Red	koŷu	rr-oh-shh-u
Red-Vermiculus	virmejlu	v-eee-er-m-diphthong_portuguese-yuh-u
Red-Rubeus	rubeo	r-u-b-ay-oh
Green	verdi	v-ay-er-d-eee
Yellow-Amarellus	emereŷlu	ahh-m-ahh-er-eh-l-u
White	alvu	ah-l-v-u
One	ū	ooo
Two-Duos	dojŷ	d-oj_diphthong-shh
Two-Duas	duēŷ	d-u-ahh-shh
Three	trejŷ	t-er-ay-shh
Four	kwatru	k-w-ah-t-er-u
Five	siku	s-een-k-u
Here	eki	ahh-k-e
There	la	l-ah
There-Adlbi	ei	ahh-e
Who-Quem	kēj	k-nasal_diphthong_portuguese2
What	ki	k-eee
When-Quando	kwēdu	k-w-ahn-d-u
How-Quomodo	komu	k-oh-m-u
Not	nēw	n-au_diphthong_nasal
Not-Nec	nēj	n-nasal_diphthong_portuguese2
And-Et	i	e

Catalan

Cognate	IPA	Sounds
I	ʒo	gzah-euh
YouPlural	bus	b-u-s
YouSingular	tu	t-u
YouSingular-VostramMercedem	voste	v-oh-s-t-ay
Woman	fembra	f-ay-m-b-er-ah
Woman-Mulier	muŷe	m-u-yuh-ay
Woman-Domina	dɔnə	d-euh-n-aah

Appendix 4 - Word Lists by Language

ManHumanBeing	ɔmə	euh-m-aah
Child-Ninnus	nen	n-ay-n
Wife	əspəzə	aah-s-p-euh-zz-aah
Wife-Mulier	muʎe	m-u-yuh-ay
Husband	marit	m-ah-er-e-t
Husband-Sponsus	əspəs	aah-s-p-euh-s
Mother	marə	m-ah-er-aah
Father	parə	p-ah-er-aah
Fish-Piskem	peʃ	p-ay-shh
Bird-Avem	aw	ah-w
Bird-Avicellum	useʎ	u-s-ay-yuh
Louse	poʎ	p-oh-yuh
Snake	sərpen	s-aah-r-p-ay-n
Snake-Serpens	serp	s-ay-er-p
Worm	vɛrm	v-eh-er-m
Tree	abrə	ah-b-er-aah
Forest	selba	s-ay-l-b-ah
Stick	pal	p-ah-l
Fruit	frujt	f-er-u-jg-t
Leaf	fuʎə	f-u-yuh-aah
Root	ərel	aah-r-eh-l
BarkOfATree-Skortea	əskørsə	aah-s-k-euh-r-s-aah
Flower	flə	f-l-euh
Grass	erbə	ay-r-b-aah
Grass-Gramen	gram	g-er-ah-m
Blood	saŋ	s-ah-nya
Egg	ɔw	euh-w
Tail	kua	k-u-ah
Feather	plomə	p-l-oh-m-aah
Feather-Penna	pɛjə	p-eh-VdPalatalNasal-aah
Hair	pɛl	p-eh-l
Hair-Capillus	kəbɛʎ	k-aah-b-eh-yuh
Head	kap	k-ah-p
Head-Testa	testə	t-ay-s-t-aah
Ear	urɛʎə	u-er-eh-yuh-aah
Nose	nas	n-ah-s
Nose-Nares	na:ɾis	n-A-r-NearCloseFrontUnrounded-s
Mouth	bokə	b-oh-k-aah
Mouth-Gula	golə	j-oh-l-aah
Wing	alə	ah-l-aah
Neck	kəʎ	k-euh-yuh
Back	dos	d-oh-s
Back-Spatula	əspaʎʎə	aah-s-p-ah-yuh-yuh-aah
Breast	si	s-e
Breast-Pectus	pit	p-e-t
Heart	kɔr	k-euh-r
Liver	fɛdʒə	f-ay-VdPalatoAlveolarSibilant-aah
Sun	sɔl	s-euh-l
Moon	ʎunə	yuh-u-n-aah
Star	əstel	aah-s-t-eh-l
Water	ajɣwə	aj_diphthong-juh-w-aah
Rain	pluzə	p-l-u-gzah-aah
River-Rivus	riw	r-e-w
Lake	ʎak	yuh-ah-k
Sea	mar	m-ah-r
Salt	sal	s-ah-l
Earth	tɛrə	t-eh-r-aah

Appendix 4 - Word Lists by Language

Cloud-Secondary	nuβuɫ	n-u-bb-u-ssha
Fog-Nebula	newlə	n-ay-w-l-aah
Fog-Tenebras	tənebrəs	t-aah-n-ay-b-er-aah-s
Sky	sɛl	s-eh-l
Wind	ben	b-ay-n
Ice	ʒɛɫ	gzah-eh-ssha
Smoke	fum	f-u-m
Fire-Focus	fək	f-euh-k
Ash	sɛndrə	s-eh-n-d-r-aah
Mountain	mun	m-u-n
Mountain-Montanea	muntəpə	m-u-n-t-ah-VdPalatalNasal-aah
Night	nit	n-e-t
Day	diə	d-e-aah
Day-Diurnus	ʒɔrn	gzah-oh-er-n
Year	aj	ah-VdPalatalNasal
Name-Nomen	nɔm	n-euh-m
ToDrink	bɛwɾə	b-eh-w-er-aah
ToEat-Manducare	məɲʒa	m-aah-VdPalatalNasal-gzah-ah
ToBite-Morsicare	musəɣa	m-u-s-aah-juh-ah
ToSpit-Exconspuere	əskupi	aah-s-k-u-p-e
ToKnow-Sapere	səβɛ	s-aah-bb-eh
ToKnow-Cognoscere	kunɛʃə	k-u-n-eh-shh-aah
ToThink	kujda	k-u-jg-d-ah
ToThink-Pensare	pənsa	p-aah-n-s-ah
ToFear	tɛmə	t-ay-m-aah
ToSleep	durmi	d-u-r-m-e
ToLive	biwɾə	b-e-w-er-aah
ToDie	muri	m-u-er-e
ToKill	nəga	n-aah-g-ah
ToKill-Mactare	məta	m-aah-t-ah
ToKill-Occidere	uksi	u-k-s-e
ToFight	pupɲa	p-u-VdPalatalNasal-ah
ToFight-Battuere	batrə	b-ah-t-er-aah
ToHunt-Captiare	kəsa	k-aah-s-ah
ToCut	səɣa	s-aah-juh-ah
ToCut-Taliare	təɫa	t-aah-yuh-ah
ToSplit	dibidi	d-e-b-e-d-e
ToSplit-Findere	fɛndrə	f-eh-n-d-er-aah
ToSplit-Partire	pərti	p-aah-r-t-e
ToSplit-Separare	səpəra	s-aah-p-aah-er-ah
ToStab	pupɲi	p-u-VdPalatalNasal-e
ToScratch	rawɾə	r-ah-w-er-aah
ToScratch-Rasare	rəza	r-aah-zz-ah
ToScratch-Rasicare	rəska	r-aah-s-k-ah
ToDig-Cavare	kəba	k-aah-b-ah
ToSwim	nəda	n-aah-d-ah
ToSwim-Navigare	nəbəga	n-aah-b-aah-g-ah
ToFly	bula	b-u-l-ah
ToWalk	kəmina	k-aah-m-e-n-ah
ToCome	bəni	b-aah-n-e
ToLieAsInABed	əstendrə	aah-s-t-ay-n-d-er-aah
ToLieAsInABed-lacere	ʒawɾə	gzah-ah-w-er-aah
ToStand	əsta	aah-s-t-ah
ToStand-Levare	ɬəba	yuh-aah-b-ah
ToStand-Altiare	əlsa	aah-l-s-ah
ToTurnIntransitive	turna	t-u-r-n-ah
ToTurnIntransitive-Gyrare	ʒira	gzah-e-er-ah

Appendix 4 - Word Lists by Language

ToTurnIntransitive-AncestralClass3	bira	b-e-er-ah
ToTurnIntransitive-Torquere	tɔrsə	t-euh-r-s-aah
ToFall	kawrə	k-ah-w-r-aah
ToFall-Tumbare	tumba	t-u-m-b-ah
ToHold	təni	t-aah-n-e
ToSqueeze	əspremə	aah-s-p-er-ay-m-aah
ToSqueeze-Serrere	səra	s-aah-r-ah
ToSqueeze-Stringere	əstrɛnə	aah-s-t-er-eh-VdPalatalNasal-aah
ToRub	frəga	f-er-aah-g-ah
ToRub-Frictiare	frəsa	f-er-aah-s-ah
ToWash	ləba	yuh-aah-b-ah
ToWipe-Extergere	əstərzi	aah-s-t-aah-r-gzah-e
ToWipe-Exsucare	əfuga	aah-shh-u-g-ah
ToPull	tira	t-e-er-ah
ToPull-Trahere	trɛwrə	t-er-eh-w-er-aah
ToPush	əmpɛnə	aah-m-p-eh-VdPalatalNasal-aah
ToThrow	xita	xha-e-t-ah
ToThrow-Lanceare	lənasa	yuh-aah-n-s-ah
ToTie	liya	yuh-e-juh-ah
ToSew	kuzi	k-u-zz-e
ToCount	kumta	k-u-m-t-ah
ToCount-Enumerare	enumera	ay-n-u-m-ay-er-ah
ToSay	di	d-e
ToSing-AncestralClass	kənta	k-aah-n-t-ah
ToPlay-Jiocare	zuga	gzah-u-g-ah
ToFloat	fluktua	f-l-u-k-t-u-ah
ToFlow	flui	f-l-u-e
ToFlow-Colare	kula	k-u-ssha-ah
ToFlow-Excurrere	əskorə	aah-s-k-oh-r-aah
ToFlow-Currere	korə	k-oh-r-aah
ToFreeze	zəla	gzah-aah-l-ah
ToFreeze-Glaciare	gləsa	g-l-aah-s-ah
ToBurn-Cremare	krəma	k-r-aah-m-ah
ToBurn-Flammare	flama	f-ssha-ah-m-ah
ToBurn-Incendere	ənsendrə	aah-n-s-ay-n-d-er-aah
All-Totus	tot	t-oh-t
Many	mol	m-oh-l
Many-Tantus	tant	t-ah-n-t
Some	əlgu	aah-l-g-u
Few	pək	p-euh-k
Other	altrə	ah-l-t-er-aah
Big-Grandem	gran	j-r-ah-n
Long-Longum	lonj	yuh-oh-nya
Long-Largum	lark	yuh-ah-er-k
Wide-Amplum	amplə	ah-m-p-l-aah
Thick	gras	g-er-ah-s
Thick-Spissum	əspes	aah-s-p-eh-s
Thick-Grossum	grəs	g-er-euh-s
Heavy	grew	g-er-ay-w
Heavy-Pesant	pəzat	p-aah-zz-ah-t
Small	pətit	p-aah-t-e-t
Short	kurt	k-u-er-t
Short-Brevis	brew	b-er-ay-w
Narrow-Strictus	əstrɛt	aah-s-t-er-eh-t
Thin	mənut	m-aah-n-u-t
Thin-Delicatus	dəlikat	d-aah-l-e-k-ah-t
Thin-Subtilis	suptil	s-u-p-t-e-l

Appendix 4 - Word Lists by Language

Dry	sek	s-eh-k
Right-Dextrem	destrə	d-ay-s-t-er-aah
Right-Directus	dræt	d-er-eh-t
Red	ros	r-oh-s
Red-Vermiculus	bərmɛʌ	b-aah-r-m-eh-yuh
Red-Rubeus	rudʒe	r-u-VdPalatoAlveolarSibilant-ay
Green	vɛrt	v-eh-er-t
Yellow-Croceus	grək	j-er-euh-k
White	alb	ah-l-b
One	un	u-n
Two-Duos	dos	d-oh-s
Three	tres	t-r-eh-s
Four	kwatrə	k-w-ah-t-er-aah
Five	siŋk	s-e-nya-k
Here	aki	ah-k-e
There	əʌa	aah-yuh-ah
Who-Qui	ki	k-e
What	kɛ	k-eh
When-Quando	kwan	k-w-ah-n
How-Quomodo	kɔm	k-euh-m
Not	no	n-oh
Not-Nec	ni	n-e
And-Et	i	e

Walloon

Cognate	IPA	Sounds
I	dʒɪ	VdPalatoAlveolarSibilant-NearCloseFrontUnrounded
We	no	n-oh
YouPlural	vos	v-oh-s
YouSingular	ty	t-eeh
Woman	fœm	f-OpenMidNearFrontRounded-m
Woman-Domina	dœm	d-OpenMidNearFrontRounded-m
ManHumanBeing	ɔm	euh-m
Child	ɛfɑ̃	eh-f-NasalA
Mother	mer	m-ay-VIUvularTrill
Father	pɛ:r	p-Eh-r
Fish-Pescion	pehð	p-eh-h-on
Bird-Avicellum	u:he:	U-h-Eh
Louse	pju	p-jg-u
Snake	sʝɛkpɛ̃	s-jg-eh-rr-p-ehn
Worm	vʝɛr	v-jg-eh-VIUvularTrill
Tree	o:b	O-b
Fruit	fry	f-VIUvularTrill-eeh
Leaf	fɔj	f-euh-jg
Root-Radicina	resɛn	VIUvularTrill-eh-s-eh-n
BarkOfATree-Skorteia	skwas	s-k-w-ah-s
Flower	flø:ʁ	f-l-o-rr
Grass	jɛp	jg-eh-p
Blood	sɔ:g	s-LongCloseMidBackRoundedNasal-j
Egg	u:	U
Tail	kɔw	k-euh-w
Feather	plɔm	p-l-euh-m
Feather-Penna	pen	p-ay-n
Hair-Capillus	ʃivja	ts-e-v-jg-ah
Head-Testa	ʃɛs	ts-eh-s

Appendix 4 - Word Lists by Language

Ear	ɔːraj	euh-VIUvularTrill-aj_diphthong
Eye	uːj	U-jg
Nose	ne	n-ay
Mouth	bək	b-euh-k
Mouth-Gula	gøːj	g-o-jg
Wing	el	ay-l
Back	də	d-euh
Back-Spatula	spal	s-p-ah-l
Heart	kuːɾ	k-U-rr
Heart-Anima	ɔːm	LongOpenMidBackRounded-m
Liver	føːt	f-o-t
Sun	sələ	s-euh-l-euh
Moon	lən	l-uu-n
Star	støːl	s-t-o-l
Water	ɛːw	Eh-w
Rain	pluːɾ	p-l-U-rr
River-Riparia	riviːɾ	r-e-v-E-rr
Lake	lak	l-ah-k
Sea	meɾ	m-ay-rr
Salt	se	s-ay
Earth	tɛːɾ	t-Eh-rr
Sky	siːɾ	s-E-rr
Wind	vě	v-ehn
Fire-Focus	føː	f-o
Ash	sɛːd	s-LongNasalE-d
Mountain-Montanea	mōtəɲ	m-on-t-ah-VdPalatalNasal
Night	nyt	n-eeh-t
Day	dzuː	VdPalatoAlveolarSibilant-U
Day-Diurnus	ɖzuː	VdPalatoAlveolarSibilant-U
Year	ā	NasalA
Name-Nomen	nō	n-on
Tongue	lēu	l-eu_nasalized_diphthong
ToDrink	bøːɾ	b-o-rr
ToEat-Manducare	maɲiː	m-ah-VdPalatalNasal-E
ToSuck	sysiː	s-eeh-s-E
ToKnow-Sapere	savøːɾ	s-ah-v-o-VIUvularTrill
ToKnow-Cognoscere	kinəh	k-e-n-euh-h
ToThink-Pensare	pɛse	p-ehnn-s-ay
ToSleep	dwaɾmi	d-w-ah-rr-m-e
ToDie	məri	m-euh-VIUvularTrill-e
ToKill-Tutari	tuwe	t-u-w-ay
ToFight-Battuere	bate	b-ah-t-ay
ToHunt-Captiare	ʃesiː	ts-eh-s-E
ToCut-Taliare	tɛjiː	t-eh-jg-E
ToSplit-Findere	fɛt	f-ehnn-t
ToSplit-Partire	pɔːrti	p-LongOpenMidBackRounded-VIUvularTrill-t-e
ToDig-Cavare	çəːvle	sh-aay-v-l-ay
ToSwim-Navigare	nɛdʒiː	n-eh-VdPalatoAlveolarSibilant-E
ToFly	vole	v-euh-l-ay
ToWalk	ʃimine	ts-e-m-e-n-ay
ToWalk-Marcher	maːɾʃiː	m-A-VIUvularTrill-ts-E
ToCome	vini	v-e-n-e
ToLieAsInABed-lacere	dʒere	VdPalatoAlveolarSibilant-ay-r-ay
ToStand	es	eh-s
ToStand-Levare	ləve	l-aah-v-ay
ToStand-Altiare	həːsiː	h-LongOpenMidBackRounded-s-E
ToTurnIntransitive	tuːme	t-U-r-n-ay

Appendix 4 - Word Lists by Language

ToTurnIntransitive-AncestralClass3	viɤe	v-e-rr-ay
ToFall	ʃɛ:ɾ	ts-Eh-VIUvularTrill
ToFall-Tumbare	tume	t-u-m-ay
ToHold	tini	t-e-n-e
ToSqueeze-Serare	sɛɾe	s-eh-VIUvularTrill-ay
ToSqueeze-Stringere	stringe	s-t-r-e-n-j-ay
ToRub	froj	f-r-oj_diphthong
ToRub-Frictare	fɾote	f-rr-oh-t-ay
ToWash	lave	l-ah-v-ay
ToWipe-Exsucare	suwe	s-u-w-ay
ToPull	tire	t-e-r-ay
ToPull-Pulsare	pu:si:	p-U-s-E
ToThrow	dʒete	VdPalatoAlveolarSibilant-eh-t-ay
ToThrow-Lanceare	lanci:	l-ah-n-tya-E
ToTie	lɔʒi:	l-euh-jg-E
ToSew	kø:z	k-o-zz
ToCount	kôte	k-on-t-ay
ToSay	di:ɾ	d-E-rr
ToSing-AncestralClass	ʃãte	ts-NasalA-t-ay
ToPlay-Jiocare	dʒuwe	VdPalatoAlveolarSibilant-u-w-ay
ToFlow-Colare	kôle	k-euh-l-ay
ToFreeze	dʒale	VdPalatoAlveolarSibilant-ah-l-ay
ToBurn-Brojan	bɾu:le	b-rr-U-l-ay
All-Totus	tɔ	t-euh
Few	põ	p-on
Other	õt	on-t
Big-Grandem	gɾã	j-rr-NasalA
Long-Longum	lõ	l-on
Thick-Spissum	spe	s-p-eh
Heavy	grav	j-r-ah-v
Small	piti	p-e-t-e
Short	ku:ɾ	k-U-rr
Short-Brevis	bɾeɸ	b-rr-ay-f
Narrow-Strictus	stɾø:	s-t-rr-o
Thin	minu	m-e-n-u
Thin-Subtilis	su:ti	s-U-t-e
Dry	seɸ	s-eh-ts
Right-Directus	drø:t	d-r-o-t
Red-Rubeus	rɔɸ	r-euh-ts
Green	veɾ	v-eh-rr
Yellow	dʒen	VdPalatoAlveolarSibilant-eh-n
One	õ	on
Two-Duos	dø:	d-o
Three	trø:	t-r-o
Four	kwat	k-w-ah-t
Five	sêk	s-ehn-k
There	la	l-ah
Who-Qui	ki:	k-E
What	kwe:	k-w-Eh
When-Quando	kwand	k-w-ah-n-d
How-Quomodo	kômẽ	k-euh-m-ehnn
Not-Nec	nẽ	n-ehn
And-Et	ɛ	eh

Friulian

Appendix 4 - Word Lists by Language

Cognate	IPA	Sounds
I	jo	jg-oh
We	no:	n-O
YouPlural	vo:	v-O
YouSingular	tu	t-u
Woman	femine	f-ch-m-e-n-eh
Woman-Mulier	mui:r	m-u-E-r
Woman-Domina	dɔne	d-euh-n-ay
ManHumanBeing	ɔm	euh-m
Wife-Mulier	mui:r	m-u-E-r
Husband	mari:t	m-ah-r-E-t
Husband-Sponsus	spo:s	s-p-O-s
Mother	mari	m-ah-r-e
Father	pari	p-ah-r-e
Animal	nema:l	n-ay-m-A-l
Animal-Bestia	bis	b-e-s
Fish-Piskem	pes	p-eh-s
Bird-Avicellum	uʃʃɛl	u-ts-jg-eh-l
Louse	pedoli	p-ay-d-oh-l-e
Snake	sarpint	s-ah-r-p-e-n-t
Worm	vjer	v-jg-eh-r
Tree	arbul	ah-r-b-u-l
Forest	selve	s-eh-l-v-ay
Stick	pa:l	p-A-l
Fruit	frut	f-r-u-t
Leaf	fwee	f-w-ay-ay
BarkOfATree-Skorteia	skwartse	s-k-w-ah-r-VIAlveolarSibilantAffricate-ay
Flower	flo:r	f-l-O-r
Grass	jarbe	jg-ah-r-b-ay
Blood	saŋk	s-ah-nya-k
Egg	u:f	U-f
Tail	kɔde	k-euh-d-eh
Feather	plume	p-l-u-m-eh
Feather-Penna	pene	p-eh-n-ay
Hair	pe:l	p-ai-l
Hair-Capillus	cavej	tya-ah-v-ej_diphthong
Head	ca:f	tya-A-f
Head-Testa	teste	t-eh-s-t-ay
Ear	orele	oh-r-ay-l-ay
Eye	voli	v-oh-l-e
Nose	na:s	n-A-s
Mouth	bɔce	b-euh-tya-eh
Mouth-Gula	gɔle	j-euh-l-ay
Wing	ale	ah-l-ay
Neck	kwɛl	k-w-eh-l
Back-Spatula	spale	s-p-ah-l-eh
Breast	sen	s-ay-n
Breast-Pectus	pet	p-eh-t
Heart	ku:r	k-U-r
Heart-Anima	anime	ah-n-e-m-ay
Liver	fija:t	f-e-jg-A-t
Sun-Soliculus	soreli	s-oh-r-ay-l-e
Moon	lune	l-u-n-ay
Star	stɛle	s-t-eh-l-ay
Water	age	ah-j-ay
Rain	ploje	p-l-oh-jg-ay

Appendix 4 - Word Lists by Language

River	flum	f-l-u-m
Lake	la:t	l-A-t
Sea	ma:r	m-A-r
Salt	sa:l	s-A-l
Earth	tjere	t-jg-eh-r-ay
Cloud-Secondary	nu:l	n-U-l
Fog-Fumata	fumate	f-u-m-ah-t-ay
Sky	ʃi:l	ts-E-l
Wind	'vint	v-e-n-t
Smoke	fum	f-u-m
Fire-Focus	fu:k	f-U-k
Ash-Cinisia	ʃinize	ts-e-n-e-zz-eh
Mountain	mɔnt	m-euh-n-t
Mountain-Montanea	mɔntane	m-euh-n-t-ah-VdPalatalNasal-ay
Night	not	VdPalatalNasal-euh-t
Day	di	d-e
Day-Diurnata	ɖɔrnade	VdPalatoAlveolarAffricate-oh-r-n-ah-d-ay
Year	aŋ	ah-nya
Name-Nomen	nɔŋ	n-euh-nya
Tongue	'lenge	l-eh-n-j-eh
ToDrink	bevi	b-ay-v-e
ToEat-Manducare	manʒa:	m-ah-nya-VdPalatalStop-A
ToBite	mwardi	m-w-ah-r-d-e
ToSuck	cuca:	tya-u-tya-A
ToSpit-Sputare	spuda:	s-p-u-d-A
ToKnow-Sapere	save:	s-ah-v-ai
ToKnow-Cognoscere	kɔposi	k-oh-VdPalatalNasal-oh-s-e
ToThink-Pensare	peŋsa:	p-ay-nya-s-A
ToFear	temi	t-ay-m-e
ToFear-Tremere	trima:	t-r-e-m-A
ToSleep	durmi:	d-u-r-m-E
ToLive	vivi	v-e-v-e
ToDie	muri:	m-u-r-E
ToKill-Mactare	maʃʃa:	m-ah-ts-A
ToFight-Battuere	bati	b-ah-t-e
ToHunt-Captiare	caʃʃa:	tya-ah-ts-A
ToHit	pulsa:	p-u-l-s-A
ToCut	sea:	s-ay-A
ToCut-Excurtare	skurta:	s-k-u-r-t-A
ToCut-Taliare	taja:	t-ah-jg-A
ToSplit	dividi	d-e-v-e-d-e
ToSplit-Partire	parti:	p-ah-r-t-E
ToSplit-Separare	separa:	s-ay-p-ah-r-A
ToScratch	rada:	r-ah-d-A
ToScratch-Rasare	rasa:	r-ah-s-A
ToDig-Cavare	java:	VdPalatalStop-ah-v-A
ToDig-Excavare	zjava:	zz-VdPalatalStop-ah-v-A
ToSwim	nada:	n-ah-d-A
ToSwim-Navigare	naviga:	n-ah-v-e-j-A
ToFly-Exvolare	zvola:	zz-v-oh-l-A
ToWalk	camina:	tya-ah-m-e-n-A
ToCome	vipi:	v-e-VdPalatalNasal-E
ToLieAsInABed-lacere	jesi	jg-ay-s-e
ToSit-Sedentare	senta:	s-ay-n-t-A
ToStand	sta:	s-t-A
ToStand-Levare	leva:	l-ay-v-A
ToStand-Altiare	altʃa:	ah-l-t-shh-A

Appendix 4 - Word Lists by Language

ToTurnIntransitive	torna:	t-oh-r-n-A
ToTurnIntransitive-Gyrate	dʒira:	VdPalatoAlveolarSibilant-e-r-A
ToTurnIntransitive-AncestralClass3	dʒira:	VdPalatoAlveolarSibilant-e-r-A
ToFall	tʃʒade	ts-jg-ah-d-ay
ToHold	tinji	t-e-n-jg-e
ToSqueeze	esprimi	ay-s-p-r-e-m-e
ToSqueeze-Stringere	strengi:	s-t-r-eh-n-j-E
ToRub	frea	f-r-ay-ah
ToWash	lava:	l-ah-v-A
ToWipe-Exsucare	suja:	s-u-jg-A
ToPull	tira:	t-e-r-A
ToPull-Pulsare	pulsa:	p-u-l-s-A
ToPull-Trahere	traj	t-r-aj_diphthong
ToThrow-Lanceare	lanʃa:	l-ah-n-ts-A
ToTie	lea:	l-ay-A
ToSew	kuzi	k-u-zz-e
ToCount	konta:	k-oh-n-t-A
ToSay	di:	d-E
ToSing-AncestralClass	canta:	tya-ah-n-t-A
ToPlay-Jiocare	dʒuja:	VdPalatoAlveolarSibilant-u-jg-A
ToFlow-Excurrere	skori:	s-k-oh-r-E
ToFlow-Currere	kori	k-oh-r-e
ToFreeze-Glaciare	glafʃa:	j-l-ah-ts-A
ToBurn-Brojan	bruza:	b-r-u-zz-A
All-Totus	dut	d-u-t
Many	molc	m-oh-l-tya
Many-Tantus	tanc	t-ah-n-tya
Few	po:k	p-O-k
Other	altri	ah-l-t-r-e
Big-Grandem	grant	j-r-ah-n-t
Long-Longum	lunk	l-u-n-k
Long-Largum	lark	l-ah-r-k
Thick	gras	j-r-ah-s
Thick-Grossum	grwes	j-r-w-eh-s
Heavy	grævi	j-r-eh-v-e
Heavy-Pesant	pezant	p-ay-zz-ah-n-t
Small-Pitulus	piʃful	p-e-ts-u-l
Short	kurt	k-u-r-t
Narrow-Strictus	stret	s-t-r-eh-t
Thin	minu:t	m-e-n-U-t
Thin-Subtilis	suti:l	s-u-t-E-l
Dry	sek	s-eh-k
Right-Directus	'dret	d-r-eh-t
Red	ros	r-euh-s
Green	vert	v-eh-r-t
One	uŋ	u-nya
Two-Duos	doj	d-oj_diphthong
Three	'tre:	t-r-ai
Four	kwatri	k-w-ah-t-r-e
Five	'tʃiŋk	ts-e-nya-k
Here	aki	ah-k-e
Who-Qui	kwi	k-w-e
What	tʃe	ts-ay
When-Quando	kwant	k-w-ah-n-t
How-Quomodo	tʃemu:t	ts-ay-m-U-t
Not	no	n-oh
And-Et	e	ay

Appendix 4 - Word Lists by Language

Romanian

Cognate	IPA	Sounds
I	jew	jg-ay-w
We	noj	n-øj_diphthong
YouPlural	voj	v-øj_diphthong
YouSingular	tu	t-u
Woman	femeje	f-ay-m-ay-jg-ay
Woman-Mulier	mujere	m-u-jg-ay-r-ay
Woman-Domina	doamnə	d-midback_diphthong_romanian-m-n-aah
ManHumanBeing	om	oh-m
Wife-Mulier	mujere	m-u-jg-ay-r-ay
Husband	mərɪt	m-aah-r-e-t
Husband-Socius	sots	s-oh-VlAlveolarSibilantAffricate
Father-Tata	tatə	t-ah-t-aah
Animal	nəmaje	n-aah-m-ah-jg-ay
Fish-Piskem	peʃte	p-ay-shh-t-ay
Bird-Passerem	pasəre	p-ah-s-aah-er-ay
Louse	pədukje	p-aah-d-u-k-jg-ay
Snake	ʃarpe	shh-ah-er-p-ay
Snake-Serpens	ʃarpe	shh-ah-er-p-ay
Worm	vjerme	v-jg-ay-r-m-ay
Tree	arbore	ah-r-b-oh-r-ay
Stick	par	p-ah-er
Fruit	frukt	f-r-u-k-t
Leaf	foaje	f-midback_diphthong_romanian-jg-ay
Leaf-Frondea	frunzə	f-er-u-n-zz-aah
Root-Radicina	rədəʃjinə	r-aah-d-aah-ts-e-n-aah
BarkOfATree-Skorteia	skoartʃə	s-k-midback_diphthong_romanian-er-VlAlveolarSibilantAffricate-aah
Flower	floare	f-l-midback_diphthong_romanian-er-ay
Grass	jarbə	jg-ah-er-b-aah
Blood	sindʒe	s-eee-n-VdPalatoAlveolarSibilant-ay
Egg	ow	oh-w
Tail	coadă	tya-midback_diphthong_romanian-d-aah
Feather-Penna	panə	p-ah-n-aah
Hair	pər	p-aah-er
Head	kap	k-ah-p
Head-Testa	tseastə	VlAlveolarSibilantAffricate-midfront_diphthong_romanian-s-t-aah
Ear	ureke	u-r-ay-k-ay
Eye	okɨ	oh-kpalatal
Nose	nas	n-ah-s
Mouth	bukə	b-u-k-aah
Mouth-Gula	gurə	j-u-er-aah
Back	do	d-oh
Back-Spatula	spate	s-p-ah-t-ay
Breast	san	s-ah-n
Breast-Pectus	pjept	p-jg-ay-p-t
Heart-Anima	inimə	e-n-e-m-aah
Liver	fikat	f-e-k-ah-t
Sun	soare	s-midback_diphthong_romanian-er-ay
Moon	lunə	l-u-n-aah
Star	stea	s-t-midfront_diphthong_romanian
Water	apə	ah-p-aah
Rain	ploaje	p-l-midback_diphthong_romanian-jg-ay

Appendix 4 - Word Lists by Language

River-Rivus	riw	r-eee-w
Lake	lak	l-ah-k
Sea	mare	m-ah-r-ay
Salt	sare	s-ah-r-ay
Earth	tsarə	VlAlveolarSibilantAffricate-ah-r-aah
Cloud-Secondary	nor	n-oh-r
Fog-Nebula	negurə	n-ay-g-u-r-aah
Fog-Caecia	ʃeafə	ts-midfront_diphthong_romanian-ts-aah
Sky	ʃer	ts-ay-er
Wind	vint	v-eee-n-t
Ice	dʒer	VdPalatoAlveolarSibilant-ay-r
Smoke	fum	f-u-m
Fire-Focus	fok	f-oh-k
Ash-Cinisia	ʃenuʃə	ts-ay-n-u-shh-aah
Mountain	munte	m-u-n-t-eh
Night	noapte	n-midback_diphthong_romanian-p-t-ay
Day	zi	zz-e
Year	an	ah-n
Name-Nomen	nume	n-u-m-ay
Tongue	limbə	l-e-m-b-aah
ToDrink	bea	b-midfront_diphthong_romanian
ToEat-Manducare	minka	m-eee-n-k-ah
ToBite-Morsicare	murseka	m-u-r-s-ay-k-ah
ToSuck	sudʒe	s-u-VdPalatoAlveolarSibilant-ay
ToSpit-Exconspuere	skujpa	s-k-u-jg-p-ah
ToKnow	ʃti	shh-t-e
ToKnow-Cognoscere	kunoaʃte	k-u-n-midback_diphthong_romanian-shh-t-ay
ToThink	kudʒeta	k-u-VdPalatoAlveolarSibilant-ay-t-ah
ToThink-Pensare	pəsa	p-aah-s-ah
ToFear	teme	t-ay-m-ay
ToSleep	dormi	d-oh-r-m-e
ToLive	via	v-e-ah
ToDie	muri	m-u-r-e
ToKill	neka	n-ay-k-ah
ToKill-Occidere	uʃide	u-ts-e-d-ay
ToFight-Battuere	bate	b-ah-t-ay
ToHit	pulsa	p-u-l-s-ah
ToCut-Excurtare	skurta	s-k-u-r-t-ah
ToCut-Taliare	taja	t-aah-jg-ah
ToSplit	divide	d-e-v-e-d-ay
ToSplit-Separare	separa	s-ay-p-ah-r-ah
ToStab	pundʒe	p-u-n-VdPalatoAlveolarSibilant-ay
ToScratch	rade	r-ah-d-ay
ToSwim-Navigare	naviga	n-ah-v-e-g-ah
ToFly-Exvolare	zbura	zz-b-u-er-ah
ToWalk-Mergere	merdʒe	m-ay-r-VdPalatoAlveolarSibilant-ay
ToCome	veni	v-ay-n-e
ToLieAsInABed	ekstinde	ay-k-s-t-e-n-d-ay
ToLieAsInABed-lacere	zəʃeə	zz-aah-ts-midfront_diphthong_romanian
ToSit	ʃedeə	shh-ay-d-midfront_diphthong_romanian
ToStand	sta	s-t-ah
ToStand-Levare	lua	l-u-ah
ToTurnIntransitive	turna	t-u-r-n-ah
ToTurnIntransitive-Torquere	toarʃe	t-midback_diphthong_romanian-r-ts-ay
ToFall	kədeə	k-aah-d-midfront_diphthong_romanian
ToHold	tsine	VlAlveolarSibilantAffricate-e-n-ay
ToSqueeze	skreme	s-k-r-ay-m-ay

Appendix 4 - Word Lists by Language

ToSqueeze-Stringere	strindʒe	s-t-r-eee-n-VdPalatoAlveolarSibilant-ay
ToRub	freka	f-r-ay-k-ah
ToWash	la	l-ah
ToWipe-Extergere	ʃterdʒe	shh-t-ay-r-VdPalatoAlveolarSibilant-ay
ToWipe-Exsucare	uska	u-s-k-ah
ToPull-Pulsare	pulsa	p-u-l-s-ah
ToPull-Trahere	tradʒe	t-r-ah-VdPalatoAlveolarSibilant-ay
ToPush	impindʒe	eee-m-p-e-n-VdPalatoAlveolarSibilant-ay
ToThrow-Eruncare	aruŋka	ah-er-u-nya-k-ah
ToTie	lega	l-ay-j-ah
ToSew	coase	tya-midback_diphthong_romanian-s-ay
ToCount-Enumerare	numara	n-u-m-ah-r-ah
ToSay	ziʃe	zz-e-ts-ay
ToSay-Exponere	spune	s-p-u-n-ay
ToSing-AncestralClass	kinta	k-eee-n-t-ah
ToPlay-Jiocare	zuka	gzah-u-k-ah
ToFloat	fluctua	f-l-u-tya-t-u-ah
ToFlow-Excurrere	skurdʒe	s-k-u-er-VdPalatoAlveolarSibilant-ay
ToFlow-Currere	kurdʒe	k-u-er-VdPalatoAlveolarSibilant-ay
ToFreeze-Inglaciare	ingetsa	eee-n-j-ay-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	tot	t-oh-t
Many	mult	m-u-l-t
Other	alt	ah-l-t
Big-Majjorem	mare	m-ah-er-ay
Long-Longum	lung	l-u-n-j
Long-Largum	larg	l-ah-r-j
Wide	lat	l-ah-t
Thick	gras	g-r-ah-s
Thick-Grossum	gros	j-r-oh-s
Heavy	grew	j-er-ay-w
Small-Pittinus	putsin	p-u-VlAlveolarSibilantAffricate-e-n
Narrow	ingust	eee-nya-j-u-s-t
Narrow-Strictus	strimt	s-t-r-eee-m-t
Thin	mərunt	m-aah-r-u-n-t
Thin-Subtilis	subtsire	s-u-b-VlAlveolarSibilantAffricate-e-r-ay
Dry	sek	s-ay-k
Right-Directus	drept	d-er-ay-p-t
Red	roʃu	er-oh-shh-u
Red-Rubeus	rojb	r-oj_diphthong-b
Green	verde	v-ay-er-d-ay
Yellow	galben	g-ah-l-b-ay-n
White	alb	ah-l-b
One	unu	u-n-u
Two-Duos	doj	d-oj_diphthong
Two-Duae	dowə	d-oh-w-aah
Three	trej	t-r-ej_diphthong
Four	patru	p-ah-t-r-u
Five	ʃɪnʃ	ts-e-n-ts
There	la	l-ah
Who-Quem	ʃine	ts-e-n-ay
What	ʃe	ts-ay
When-Quando	kind	k-eee-n-d
How-Quomodo	kum	k-u-m
Not	nu	n-u

Appendix 4 - Word Lists by Language

And-Et	e	ay
And-Si	ji	shh-e

Appendix 5 - Segment Groups

Pulmonic Consonants

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

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

Non-Pulmonic Consonants

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

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

Appendix 5 - Segment Groups

Vowels

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

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

Long Vowels

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

Pulmonic Affricates

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

Shaded areas denote articulations judged to be impossible.

Ejective Affricates

Manner	Bilabial	Labio-Dental	Pharyngeal-Epiglottal	Glottal
Central				
Lateral				

Shaded areas denote articulations judged to be impossible.

Appendix 5 - Segment Groups

Other Segments

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

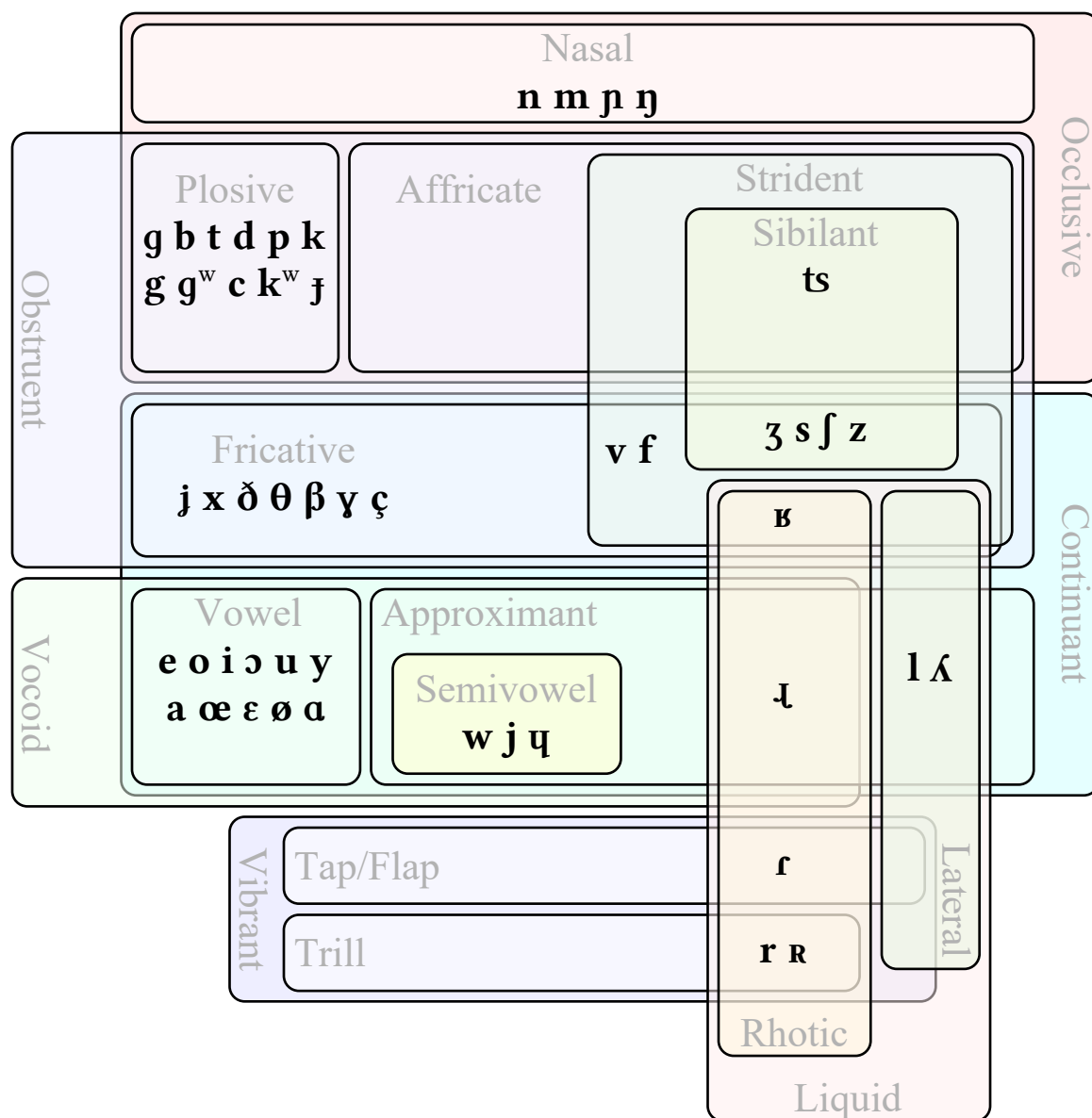
Appendix 5 - Segment Groups

p Bilabial Pulmonic Stop Occlusive	z Alveolar Voiced Pulmonic Sibilant Fricative Strident Obstruent Continuant
ð Dental Voiced Pulmonic Fricative Obstruent Continuant	k Velar Pulmonic Stop Occlusive
ts Alveolar Pulmonic Sibilant Affricate Occlusive Strident	a: Open Central Vocoid 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 Vocoid 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 Vocoid Semivowel Voiced Approximant Continuant
dz Alveolar Voiced Sibilant Affricate	ø: Open Front Rounded Vocoid Long Vowel
g Velar Voiced Pulmonic Stop Occlusive	g Labial-Velar Voiced Pulmonic Stop Occlusive
ŋ Velar Voiced Pulmonic Nasal Occlusive	õ: Close-mid Back Rounded Long Nasal Vowel
a Mid Front Vowel Diphthong	ø Close-mid Front Rounded Vocoid Vowel Continuant
u	e Mid Front Vowel Diphthong
c Palatal Pulmonic Stop Occlusive	a Open Back Vocoid Vowel Continuant
k^j Palatal Pulmonic Stop	ɣ Velar Voiced Pulmonic Fricative Obstruent Continuant
ɔ: Open-mid Back Rounded Vocoid Long Vowel Continuant	k Labial-Velar Pulmonic Stop Occlusive
ɛj Mid Front Vowel Diphthong	w
ẽ: Close Back Long Nasal Vowel	ẽ Mid Front Nasal Vowel Diphthong
ʃ Palatal Voiced Pulmonic Stop Occlusive	u Open-mid Near-Front Nasal Vowel
ũ Open Back Nasal Vowel	ɛ̃ Retroflex Vocoid Voiced Pulmonic Approximant Rhotic Liquid
ç Palatal Pulmonic Fricative Obstruent Continuant	ɑ: Open Back Long Vowel

Appendix 5 - Segment Groups

\tilde{j} Palatal Nasal Approximant	œ̃ Open-mid Near-Front Rounded Nasal Vowel Diphthong
ʊ̃ Near-close Near-Back Rounded Vowel	\tilde{e} Mid Front Nasal Vowel Diphthong
	\tilde{w}

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

Appendix 7 - International Phonetic Alphabet

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

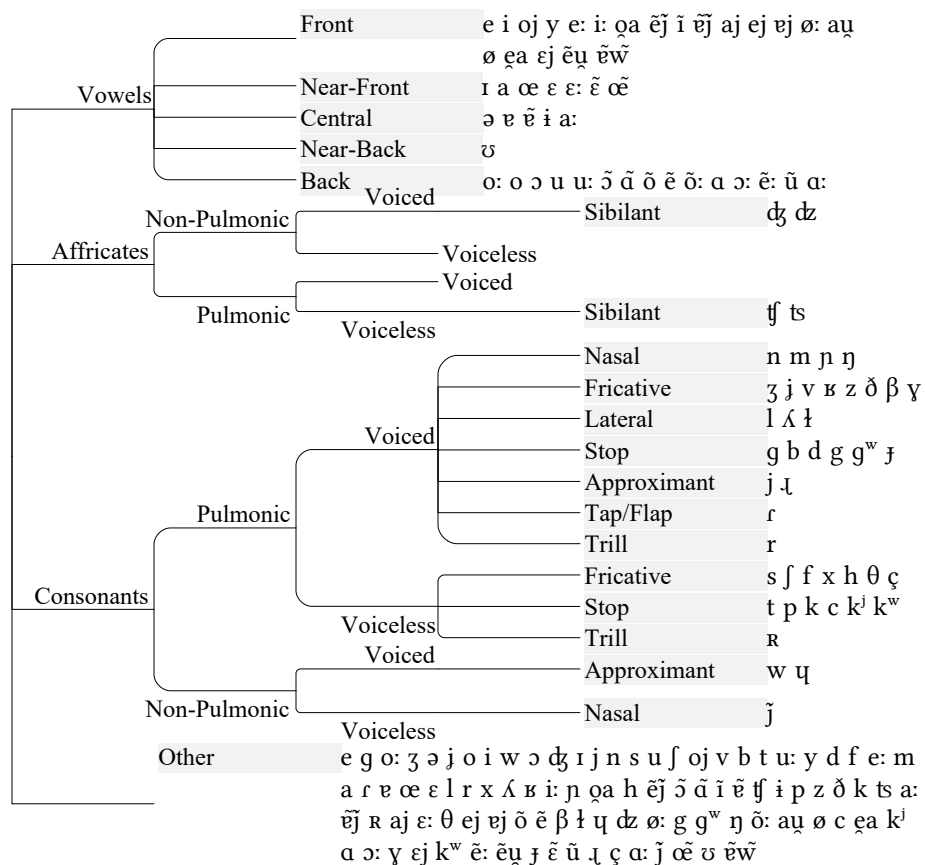
Appendix 7 - International Phonetic Alphabet

f	e	d	c
0066 Labio-Dental Pulmonic Fricative Strident Obstruent Continuant	0065 Close-mid Front Vocoid Vowel Continuant	0064 Alveolar Voiced Pulmonic Stop Occlusive	0063 Palatal Pulmonic Stop Occlusive
b	a	ẽ:	g^w
0062 Bilabial Voiced Pulmonic Stop Occlusive	0061 Open Near-Front Vocoid Vowel Continuant	1EBD, 02D0 Close Back Long Nasal Vowel	0261, 02B7 Labial-Velar Voiced Pulmonic Stop Occlusive
ẽ	ε:	εj	õ
025B, 0303 Open-mid Near-Front Nasal Vowel	025B, 02D0 Open-mid Near-Front Vocoid Long Vowel Continuant	025B, 006A Mid Front Vowel Diphthong	0254, 0303 Open-mid Back Rounded Nasal Vowel
ɔ:	ã	ɑ:	ẽ
0254, 02D0 Open-mid Back Rounded Vocoid Long Vowel Continuant	0251, 0303 Near-close Back Nasal Vowel	0251, 02D0 Open Back Long Vowel	0250, 0303 Near-open Central Rounded Nasal Vowel
ɛj	œ	ø:	õ:
0250, 006A Mid Front Vowel Diphthong	0153, 0303 Open-mid Near-Front Rounded Nasal Vowel Diphthong	00F8, 02D0 Open Front Rounded Vocoid Long Vowel	00F5, 02D0 Close-mid Back Rounded Long Nasal Vowel
u:	o:	oj	k^w
0075, 02D0 Close Back Rounded Long Vowel	006F, 02D0 Mid Back Rounded Vocoid Long Vowel Continuant	006F, 006A Mid Front Vowel Diphthong	006B, 02B7 Labial-Velar Pulmonic Stop Occlusive
k^j	ĩ	i:	e:
006B, 02B2 Palatal Pulmonic Stop	006A, 0303 Palatal Nasal Approximant	0069, 02D0 Close Front Vocoid Long Vowel Continuant	0065, 02D0 Mid Front Vocoid Long Vowel Continuant

Appendix 7 - International Phonetic Alphabet

eɪ	ɑː	aj	ẽu
0065, 006A	0061, 02D0	0061, 006A	1EBD, 0075, 032F
Mid Front Vowel Diphthong	Open Central Vowel Long Vowel Continuant	Mid Front Vowel Diphthong	Mid Front Nasal Vowel Diphthong
ẽj	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
ẽw	ẽj		
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

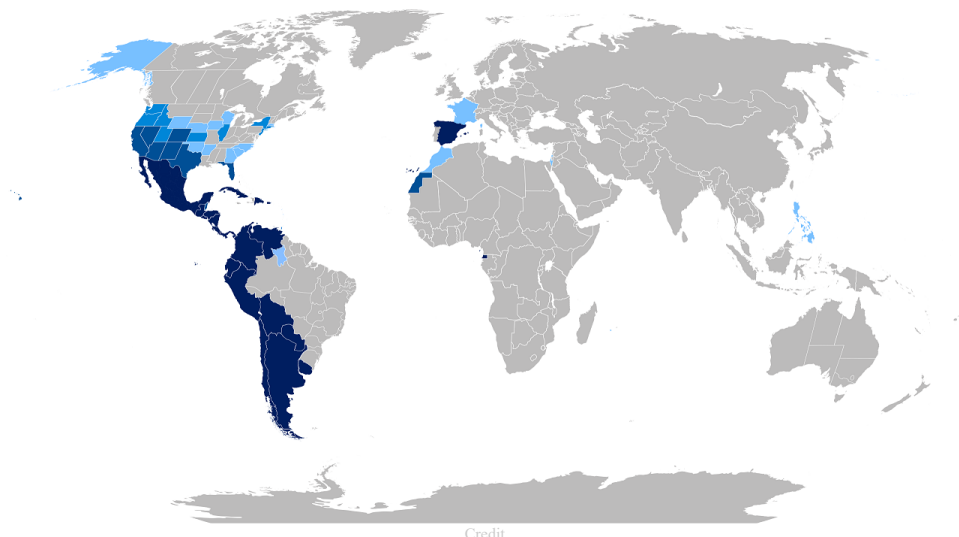
	Undefined escape character	~	Nasalized	..	Centralized
+	Advanced	-	Retracted	˘	RisingTone
◌	Voiceless		Implosive	◌	Syllabic
◌	Ejective	◌	Pharyngealized	◌	Falling tone
◌	Non-syllabic	◌	No audible release	◌	Rhotic hook
◌	Advanced tongue root	◌	Apical	◌	Extra low tone
◌	Low rising tone	◌	Less rounded	◌	Dental
˜	Velarized or Pharyngealized	↘	Global fall	◌	Velarized
ˈ	High tone	◌	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		



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

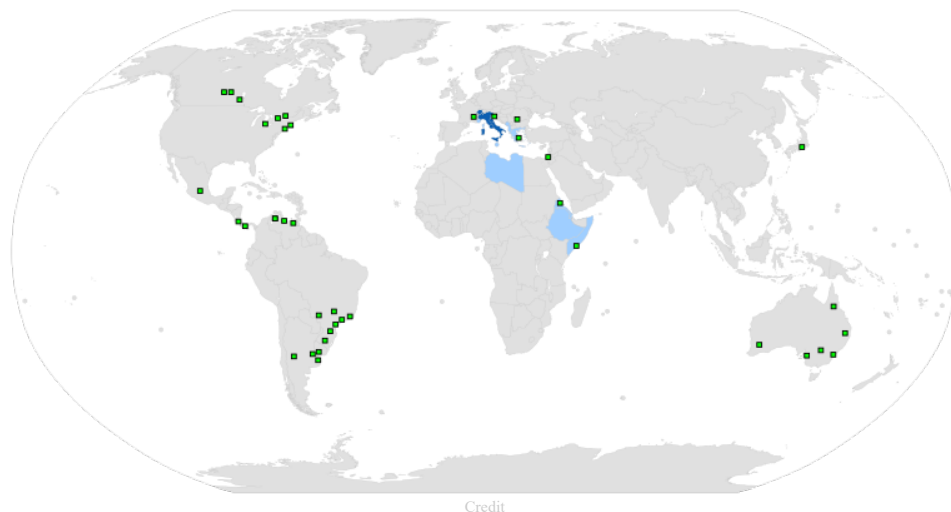
Appendix 10 - Languages

Spanish



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

Italian



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

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

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

Appendix 10 - Languages

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

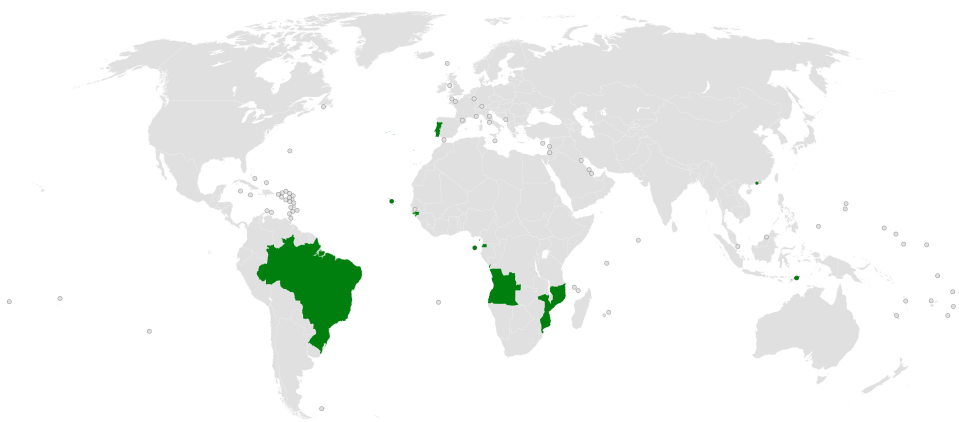
Brazilian Portuguese



Credit

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

Portuguese



Credit

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

Appendix 10 - Languages

Catalan



Credit

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

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

Walloon



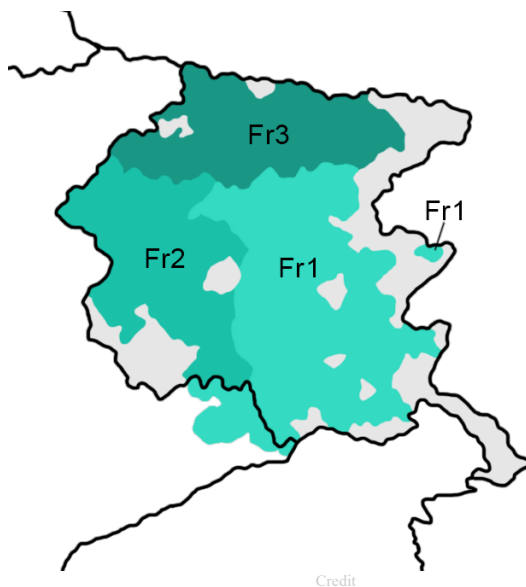
Credit

Appendix 10 - Languages

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

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

Friulian



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

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

Romanian



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

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