

[illegible]

Appendix 2 - Symbols

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

Appendix 2 - Symbols

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

Appendix 3 - Segments used in the word list

Char.	Segment	Words containing this segment
0	e	<p>ego:, ew, jew, usted, vose, vose, voste, embra, femmina, femev, femjv, fembra, femeje, mulierem, muxer, moλλe, muλex, muλer, muλe, mujere, dōne, hominem, ombre, infantem, infante, fante, nenēj, nen, epuz, esposa, mulier, muxer, moλλe, muλex, muλer, muλe, mujere, epu, esposo, ma:trem, meκ, maðre, ma:dre, mer, patre, peκ, paðre, pa:dre, nema:l, nōmajē, piskem, peθ, peffe, pef, pefte, awem, abe, awikellum, useλ, passerem, passero, pasōre, peduklus, pedoli, pādukje, serpentem, seκpā, serpjente, serpente, seκpēfji, sērpen, farpe, serpens, sjerpe, sepe, serp, farpe, wermem, veκ, berme, verme, veκmi, nōminem, numbre, nombre, leŋgwa, arbore, selba, selva, selve, flo:rem, fjo:re, floare, penna, peja, penv, pen, pene, pelo, pelu, kabejo, kapello, kabelu, keβelu, kaβeθa, kavettsa, kabesv, keβesv, testa, testā, tēste, orexa, orekkja, oreλv, orele, ureke, ne, nariŋe, gōle, el, ale, so:lem, sole, sqare, soreli, lune, etwal, estreja, stella, istrelv, iŋtreλv, stēle, age, ploje, plqaje, flu:men, fjume, vjvjeκ, mare, meκ, sa:lem, sale, se, sare, terra, teκ, tjera, teκv, tjere, ka:li:ginem, kalidžine, nebula, njebla, nebbja, newlā, negurā, tene:braj, te:nebre, tene:bra:s, tenebv, tinjeblas, te:nebre, tōnebrās, fyne, fumate, θjelo, tfer, wentum, bjento, ben, gelu:, jelo, djer, fwego, kinerem, tferene, θeniθa, tferuŋfā, noctem, noŋe, nōtte, nōapte, zuvne, dzornade, nō:men, nōme, nume, nōminem, nombre, leŋgwa, bibere, beber, bere, bebev, biβer, bevi, komedere, komer, kome, kumer, manduka:re, mōže, mandžare, morde:re, morðer, mōrdere, mōvdeκ, murðer, morsika:re, morsikare, murseka, su:gere, syse, suðje, konspuere, kōspye, eskupir, sputere, esputar, sputare, ski:re, sapere, saber, sabev, seber, kogno:skere, konoθer, konoffere, kopeseκ, kupiser, kunqafte, ko:gita:re, kuide, kodžitare, kuðgeta, pe:nsa:re, pāse, pensar, pensare, pēse, peŋsa:, time:re, temer, temere, temev, timer, temā, temi, teme, tremere, tremer, tremare, tremev, trimer, dormire, dormire, wi:were, vivere, vivev, viver, morire, mōvev, muvjer, neka:re, nwaje, neka, anegar, annegare, tpe, tuwe, makta:re, mate, okki:dere, uttfidere, ufide, pugna:re, puŋpare, battuere, battere, batev, βeter, bate, kaptia:re, fase, katfjare, pulsa:re, puse, pulsare, seka:re, sje, segar, segare, segav, sear, kurtare, ekskurta:re, ekuvte, skortare, ta:lia:re, taje, taλλa:re, di:widere, dividere, divide, skindere, sēde, findere, findere, ender, fendere, fēdev, fēder, parti:re, partire, se:para:re, sōvve, separar, separare, separav, separa:, separa, pungere, pundžere, pundže, jugula:re, zygyle, jugula:re, ra:dere, raer, radere, vavv, vver, rade, vaze, rasare, fodere, kaware, kavare, çu:vle, ekskawa:re, eskabar, skavare, nata:re, nwotare, naviga:re, naze, nabegar, navigare, wola:re, vole, volare, vōle, zvolare, fəmine, kamminare, tfinine, marfe, mergere, merðžere, merðje, ambita:re, andare, weni:re, benir, venire, veni, ekstendere, etādv, ekstender, estendere, istēdev, iŋtēder, æstendrā, ekstinde, jake:re, zeziv, jaθer, džaŋe:re, zzev, zzer, džere, jesi, sede:re, ser, sedere, sev, fedga, sedenta:re, sentar, sentar, sta:re, estar, stare, leva:re, lōve, jebav, levare, levav, levar, altia:re, ose, altsare, torna:re, tuvne, tornare, tu:rne, gyra:re, zive, džirare, vive, virare, torkw:re, torθer, tōtfer, turser, tōarfe, kadere, kaer, kadere, tjade, tōbe, tume, tene:re, tener, tenere, teκ, ter, tsine, segurar, eksprimere, epvēdv, ekspremir, spremere, iŋprōmev, iŋprōmer, æspremā, esprimi, skreme, serrere, serar, seka, serare, seke, θerar, serrare, sere, appekto:re, apretar, stringere, etvēdv, estreŋir, strindžere, stringe, strindže, frika:re, fvje, fregar, fregar, frea, freka, frikta:re, fvote, frettare, lawa:re, lave, lavare, tergere, terðžere, ekstergere, estarsir, fterðje, eksu:ka:re, esvije, enxugar, affugare, suwe, limpida:re, tira:re, tive, tirare, tire, puse, trahere, trarre, traze, tzezer, tradže, impingere, impindžere, impindže, jakta:re, zōte, efjar, džettare, džete, lankea:re, lōse, lanfjare, e:runka:re, arronfjare, liga:re, lie, legar, legare, lea:, lega, apta:re, ko:nsuere, koser, kutfire, kuzer, çqase, ko mputa:re, kōte, kontare, e:numera:re, enumeve, enumerar, enumerare, enumera, di:kere, deθir, dire, dizer, ziŋe, ekspo:nere, sporre, spune, kanta:re, fāte, kantare, tŋāte, lu:dere, joka:re, zve, džokare, džuwe, flu:ktua:re, flyktpe, fluttuare, fluita:re, fluitare, fluere, flye, fluire, ko:la:re, kule, kolare, kōle, ekskurrere, eskurir, skorrere, iŋkōvev, iŋkurer, skurðje, kurrere, korer, korrere, kōvev, kuvjer, kurðje, gela:re, zōle, elar, dželare, džale, glakia:re, glase, gjattfjare, inglakia:re, ingetsa, bōyle, bruŋfare, bōu:le, krema:re, kvame, kemar, kremare, kejmare, kejmave, flamma:re, flābe, flamear, fjammare, arde:re, arder, ardere, avdev, vder, arde, flagra:re, flagve, flagrare, inkendere, ēsādv, enθender, intfendjare, isendžiar, æsendrā, intfindže, ustula:re, ustolare, alter, grandem, grande, majjo:rem, mare, le, epe, espeso, spesso, espesu, iŋpesu, grabe, greve, grew, grew, lerdo, pesađo, pesante, pezadu, pezant, pekepo, pekenu, pikenu, brewis, brebe, brēve, brew, bvēf, etvwa, estreŋo, stretto, menudo, delyađo, delikato, dewgadu, subti:lem, sottile, subtsire, seko, sekko, seku, sek, dekstrum, djestro, destrā, dereŋo, drept, vermikulus, bermexo, vermiλλo, vevmeλu, rubeus, rubeo, rudže, wiridem, vev, berde, verde, verdi, verde, galben, amarellus, krokeus, krotŋeo, due, tres, tre, tref, kwi:nkve, tŋinkwe, ekkumhi:k, kwm, kjen, tfine, ke, tfe, kome, tfermut, nek, ne, et, e</p>

Appendix 3 - Segments used in the word list

1	g	ego:, goel, gøj, agwə, lago, lagu, kali:ginem, negurə, gelu:, fwego, fogu, lāg, leŋgwa, lingwa, liḡwə, musəga, musəgar, su:gere, sugaḡ, sugar, kogno:skere, ko:gita:re, nəga, anegar, annegare, segaḡ, pungere, jugula:re, zygytle, nabegar, navigare, nəbəga, naviga, segurar, siguraḡ, fregar, frəga, iŋfrigar, tergere, ekstergere, enxugar, affugare, ɛfugar, əfuga, liga:re, legar, legare, zogax, zuga, flugtwar, gela:re, glakia:re, glase, gjattfjare, gləsa, inglakia:re, flagra:re, flagxə, flagrar, flagrare, flagrar, awgū, aḡū, əlgu, ɣwā, grande, grande, grēdʒi, grēdi, longus, lungu, lōgu, largo, laḡgu, largu, ɣwā, graso, grasso, grafu, gras, gras, gordo, ɣwə, grosu, grəs, grawis, ɣwijef, grabe, greve, gravi, gravi, grew, angustus, angosto, angusto, dewgadu, galbinus, galben
2	o:	ego:, no:s, noi:, no:, wo:s, vo:i, vo:, homo:, spo:s, o:b, flo:rem, fjo:re, flo:r, o:rikla, so:lem, no:men, no:me, no:minem, kogno:skere, ko:gita:re, ko:nsuere, ekspo:nere, ko:la:re, to:tus, po:k, majjo:rem, duo:s, kʷando:, kʷo:modo, no:n
3	ʒ	ʒə, ʒə, pluʒə, kalizēj, kelizēj, zel, zēl, zuḡ, zorn, ʒəna, zuḡne, mūʒe, mēʒax, mēʒar, mənʒa, kuʒitaḡ, kuʒitar, pūʒiz, pūʒir, zygytle, naʒe, zeʒiz, zəzək, zəzer, ʒawrə, ʒiʒe, ʒirar, ʒira, əŋtrizir, əŋtrizir, əstərʒi, ʒəte, ʒejtar, ʒwe, zogax, zuʒar, zuga, zuka, ʒəle, ʒilar, ʒəla, inʃindʒe, laʒʒ, du:ʒe:, ʒuʒ, ʒon
4	ə	ʒə, dənə, dɔamna, əmə, əspozə, mərit, əspəs, marə, parə, tatə, nəmajə, pasəre, pədukje, sərpen, abrə, ɔqadə, plomə, pənə, panə, pər, fəvə, kəbəl, fəvə, testə, tʂəstə, urələ, bokə, bukə, gola, gurə, alə, lʷunə, lunə, əstəl, ajywə, apə, pluʒə, tərə, tsarə, newlə, negurə, tənəbrəs, ʃeafʃə, sendrə, ʃenuʃə, diə, limbə, bəwɾə, mənʒa, musəga, musəgar, musəya, əskupi, səʃe, kunɛʃə, pənsa, pəsa, temə, biwɾə, nəga, məta, batrə, kəsa, səya, təla, təja, fəndrə, pərti, sənvə, səpərə, rawrə, rəza, rəska, kəba, nəda, nəbəga, ʃəmine, kəmina, vənix, bəni, əstəndrə, ʒawrə, zəʃɛə, əsta, ləvə, ləba, əlsa, tərsə, kawrə, kəɖə, tənix, təni, iʃprəməx, iʃprəmer, əspremə, sərar, səra, əŋtrizir, əŋtrizir, əstərənə, frəga, frəsa, əstərʒi, əfuga, tɾəwɾə, əmpɾənə, ʒəte, lənsa, kənta, əskorə, korə, ʒəle, ʒəla, gləsa, krəma, ənsəndrə, əlgu, altrə, amplə, əspəs, pəʒə, pəʒat, pəti, pətit, əstret, məny, mənut, mərunt, dəlikat, destrə, bərməl, dowə, kwatrə, əla
5	j	jo, kabejo, estreja, jubja, jelo, jaθer, jebax, amarijo, aja
6	o	jo, io, jo, nos, no, bos, vof, vos, vose, voste, mołłe, domina, doɲa, done, hominem, ombre, omēj, om, homo:, wəmo, niɲo, nino, sponsa, esposa, ispoza, iʃpozə, mołłe, mariðo, marito, sponsus, esposo, spəzo, ispozu, iʃpozu, sokius, səʃo, sots, omaj, wazo, utʃello, paxaro, passero, pjoxo, pidəkkjo, piołʷ, poł, pedoli, arborem, arβol, albero, əvori, arbore, palo, fruto, frutto, flor, flox, kola, koda, plomə, pelo, kabejo, kapello, orej, orexa, orekkja, orełə, orejłə, orele, okulus, oxo, əkkjo, ołʷ, voli, okł, naso, na:so, boka, bokka, bokə, bokə, gola, golə, sol, sole, solikulus, soreli, o, pjoddʒa, ploje, rio, lago, lago, θjelo, ʃelo, bjento, vento, jelo, ɖelo, umo, fumo, fokum, fwego, fwəko, fogu, foyu, fok, noctem, noʃe, djurno, ɖorno, zorn, xornada, ɖornata, dzornade, aɲo, anno, nomi, nomi, nombre, komedere, komer, kome, morde:re, moɤdɤ, morðer, moɤdɤ, morsika:re, moskar, morsikare, konspuere, kogno:skere, konəθer, konəffere, koɲesək, koɲosi, kodʒitare, dormi:re, dormir, dormire, doɤmiɤ, dormi, morir, morire, moɤvə, okki:dere, kortar, koɤtaḡ, skortare, kosaɭ, fodere, nwotare, wola:re, vole, bolar, volare, voax, zvolare, zvolə:, ose, torna:re, tornar, tornare, toɤnaḡ, torna:, toɤkʷe:re, toɤθer, appektora:re, fʷote, frotar, arrontʃare, koser, komputa:re, kontar, kontare, kontar, sporre, joka:re, ɖokare, zogax, kolar, kolare, koax, skorrere, iʃkoɤvə, əskorə, skorir, korer, korrere, koɤvə, korə, kori, ustolare, omne:s, oɲni, todo, tutto, todʷ, tot, muʃo, molto, mol, molc, tanto, okə, alguno, alkuno, poko, pəko, powku, oɤ, otro, altro, owtru, maɲo, maɲno, longus, longo, lungu, loɲ, larɣo, largo, lato, anʃo, ampjo, graso, grasso, espeso, spesso, gordo, grossus, ɣwə, ɣrəssə, grosu, grosu, gros, lerdo, lordo, pesaðo, pekeɲo, pittfino, pikkolo, korto, korto, angosto, angusto, estreʃo, stretto, menudo, minuto, delyaðo, delikato, sottile, seko, sekko, djestro, destro, dereʃo, roxo, rosso, ɤofʷ, ɤofu, ros, roʃu, bermexo, vermiłło, rubjo, rəbbjo, rubeo, ʒon, amarijo, krokeus, kroʃeo, albo, uno, dos, dowə, kʷattwor, kwatro, kwattro, θinko, kwando, kʷo:modo, komo, kome, komu, no, non

Appendix 3 - Segments used in the word list

7	i	io, no:i, vo:i, fe:mina, femmina, femine, mulierem, domina, hominem, infantem, infante, ifēŋfi, niŋo, nino, ispoza, mulier, maži, mariđo, marito, maridu, marit, mērit, ispozu, sokius, mari, pari, animalia, alimāna, be:stia, biŋfa, biŋe, bis, piskem, pejfi, avi, awikellum, pidakkjo, pioļu, pedoli, seŋpēŋfi, sarpint, veŋmi, aŋvori, silwa, frūŋi, pilus, kapillus, ŋivja, kapitia, o:rikla, voli, nariθ, nariŋe, naris, neriŋ, solikulus, soreli, istrele, pluwia, plūŋi, flumi, rio, viw, viū, riw, ri:pa:ria, viŋveŋ, rivi:ŋ, ka:li:ginem, kalina, kalidžine, kalizēŋ, keliŋēŋ, tinjeblas, kajkia, 'vint, kinerem, θeniθa, ŋinize, nūŋi, nit, die:s, dia, di, diē, diā, zi, diurnum, diurna:ta, nomi, no:minem, ling ^w a, lingwa, limbə, bibere, bevi, mwardi, morsika:re, morsikare, kuspiŋ, kuspir, eskupir, əskupi, ŋti, kinəh, koŋosi, ko:gita:re, kuŋide, kwidar, kođitare, kuzitaŋ, kuzitar, time:re, temi, trima:, dəŋmiŋ, dormir, dormire, doŋmiŋ, durmir, durmi, dwaŋmi, dormi, viw, bibir, vivere, viveŋ, viver, biwra, vivi, via, muŋiŋ, morir, morire, muri, mōri, muri, tu:ta:ri, əksiŋ, utŋidere, uksi, utŋide, batir, bati, kaptia:re, talaria:re, di:widere, dibidir, dividere, đividžik, dividiŋ, dibidi, dividi, divide, skindere, findere, findere, paŋtiŋ, partir, partire, paŋtiŋ, pērtir, parti, pō:rti, pūžik, pūžir, pupi, fwix, iŋkevaŋ, iŋkevar, naviga:re, navigare, naviga:, naviga, fəmine, kaminar, kamminare, kəmiŋaŋ, kəmiŋar, kəmina, ŋimine, camina:, ambita:re, vəniŋ, benir, venire, viŋ, vir, bəni, vini, viŋi: veni, istēdeŋ, iŋtēder, ekstinde, zeziŋ, jesi, altia:re, žike, xirar, đirare, žirar, žira, đira:, viŋe, birar, virare, virar, bira, keir, tənix, tēni, tini, tinji, tsine, ekspirere, ekspirer, iŋpŋrəmeŋ, iŋpŋrəmer, esprimi, stringere, estrepir, strindžere, əŋtrižir, əŋtrižir, stringe, frika:re, frikta:re, frisar, estarsir, əstərzi, esūŋje, limpida:re, limpjar, tira:re, tiŋe, tirar, tirare, ŋira, tira, tire, tira:, impingere, impindžere, impindže, xita, liga:re, lie, liŋa, kuŋfire, kuzi, kuzi, diŋ, deθir, dire, dizer, di, žiŋe, ludir, fluita:re, fluitare, fluir, fluire, flwiŋ, flwir, flui, eskurir, iŋkoŋeŋ, iŋkurer, kuŋix, kori, glakia:re, inglakia:re, inkendere, inŋfendjare, inŋfindže, oŋŋi, altri, alius, grēđi, spissus, iŋpesu, grawis, gŋijef, gravi, grevi, pittitus, pēti, pētit, piti, 'pittinus, pitŋino, putsin, pitulus, pikkolo, piŋful, brewis, brēvi, striktus, istrejtū, minu:tus, minuto, miudu, miuđu, minu, minu:t, de:lika:tus, delikato, dēlikat, sutil, sottile, suŋfiw, suptil, su:ti, subtsire, sikkus, diŋeŋte, diŋeŋte, vermikulus, vermiλλo, wiridem, galbinus, amarijo, kwatri, θinko, ŋiŋkwe, siŋk, 'ŋiŋk, ŋiŋf, isi, aki, kwi, eki, illa:k, ibi:, vi, ai, ei, k ^w is, ki, kwi, ŋine, k ^w id, ni, i, fi
8	w	ew, jew, wo:s, wəmo, pwasō, awem, aw, awikellum, wazo, wermem, silwa, sewwa, paw, kawde, kəw, pwal, səw, etwal, aywa, akkwa, agwə, aŋywa, ε:w, pluwia, ri:wus, viw, riw, riw, saw, nəvwə, newlə, sew, wentum, fwego, fwəko, lenggwa, lingwa, ligwə, bwəŋ, bewra, mwardi, savwaŋ, kwidar, dwaŋmi, wi:were, biwra, nwaje, tuwe, di:widere, pwēdŋ, rawra, fwix, kawa:re, ekskawa:re, nwotare, wola:re, vwar, weni:re, zawra, swaŋ, fwaŋ, kawra, lawa:re, suwe, tŋewra, zwe, đūwe, flugtwar, flwiŋ, flwir, awgū, powku, owtru, aw, grwes, grawis, grew, grew, brewis, brew, etŋwa, dewgadū, suŋfiw, dŋwat, wiridem, awvu, dowə, tŋwa, k ^w attwor, kwatro, kwattro, kwatru, kwatra, kwat, kwatri, ŋiŋkwe, kwi, kwi, kwa, kwə:, kwando, kwēdu, kwan, kwand, kwant
9	ɔ	zə, nojs, nəŋ, vəjs, vəse, dənna, dənə, dəne, əm, əmēŋ, əmə, əm, wəmo, spəza, əspəzə, spəzo, əspəs, səŋfo, pidakkjo, flə, kəw, kəde, pləm, əraŋ, əkkjo, bək, bəce, gəle, səw, səŋ, səl, səb, səleŋ, njoŋ, fwəko, fək, nətte, nət, zəŋna, nəm, nəŋ, mərdere, kənətŋ, kinəh, dəŋmiŋ, mōri, əksiŋ, vəle, təkŋ, tərŋere, tərə, ləji:, kəle, tə, pəko, pək, grəso, grəs, rəs, rəbbjo, rəŋf, grək, kəmə, kəm, kəmə
10	đ	đi, pjodđa, kalidžine, đelo, đer, đū:, đorno, đū:, đornata, mandžare, suđe, kođitare, kuđeta, đividžik, punđere, punđe, nēđi:, mērdžere, mērdže, đatŋe:re, đere, đirare, đira:, strindžere, strindže, terđere, sterđe, trađe, impindžere, impindže, đettare, đete, đokare, đūwe, đuja:, skurđe, kurđe, đelare, đale, isendžar, grēđi, ruđe, đen
11	ɪ	đi, na:ris, isendžar
12	j	jo, jew, nojs, vəjs, femjə, femeje, mujere, mujere, omaj, nəmaje, utŋjel, pjoxo, pidakkjo, pju, pəduke, serpjente, sŋepē, sjerpe, vjer, vjer, vjerme, frujt, fjo:re, pjuma, ŋivja, orekkja, əj, əkkjo, u:j, gəj, jubja, pjodđa, ploje, pləaje, fjume, viŋveŋ, tjera, tjere, njoŋ, njebla, nebbja, tinjeblas, sjel, θjelo, bjento, djurno, skuŋpa, kujda, sje, taje, teji:, taja, taja, jugula:re, jugula:re, jake:re, jesi, ŋjade, tinji, esūŋje, suja:, limpjar, jakta:re, ləji:, joka:re, đuja:, gjaŋfjare, fjammarə, ēsəđje, inŋfendjare, isēđjar, majjo:rem, ampjo, gŋijef, djestro, rubjo, rəbbjo, kjen

Appendix 3 - Segments used in the word list

13	n	no:s, nu, nos, no:i, nojs, nɔf, no, no:, noj, fe:mina, femmina, femine, domina, dɔnna, done, dɔnə, dɔne, dɔamnə, hominem, infantem, infante, fante, nɪno, nino, nenēj, nen, sponsa, sponsus, animalia, nema:l, nāmaje, serpentem, serpente, serpente, sərpen, sarpint, serpens, penna, pen, pene, pen, pənə, panə, na:sus, ne, naso, na:so, nas, na:s, nariθ, nariʃe, naris, nərɪf, na:rɪs, lu:na, lyn, luna, ʎunə, lɔn, lune, lunə, flu:men, ka:li:gine, kalina, kalidʒine, nebula, nɔlj, njebla, nebbja, nəvwə, newlə, negurə, tene:braj, tē:nebre, tene:bra:s, tenəbɜ, tinjeblas, tē:nebre, tənəbrəs, wentum, bjento, vento, ben, 'vint, vint, kinerem, ʃenere, sɛndrə, θeniθa, ʃinize, ʃenufə, noctem, nɔi, noʃe, nɔtte, nojtɪ, nit, nyt, nɔapte, diurnum, djurno, dʒorno, zorn, zɔɳna, diurna:ta, zɔɳne, xornada, dʒornata, dʒornade, annum, anno, ɛnu, an, no:men, nɔ, no:me, nomi, nomi, nɔm, nɔ, nɔɳ, nume, no:minem, nombre, lingʷa, lingwa, 'lɛnge, manduka:re, mandukar, mandʒare, minka, konspuere, kogno:skere, kɔnɛtɜ, konoθer, konoffere, kunɛʃə, kinɔh, kunqafte, pe:nsa:re, pensar, pensare, pɔnsa, neka:re, nwaje, nɔga, neka, anegar, annegare, pugna:re, skindere, ʃindere, findere, ender, fɛndere, fɛndrə, pungere, punɔgere, punɔge, nata:re, nadar, nwotare, nadaɜ, nəðar, nəda, nada:, naviga:re, naʒe, nabegar, navigare, naviyax, nəviyar, nəbəga, nədʒi:, naviga:, naviga, ʃəmine, kaminar, kamminare, kəmina, ʃimine, camina:, andar, andare, wen:re, vənɪɜ, benɪr, venire, bəni, vini, veni, ekstendere, ekstender, estendere, əstendrə, ekstinde, sedenta:re, sentar, senta:, torna:re, tuɳne, tornar, tornare, tɔɳnaɜ, turnar, turna, tu:rne, torna:, turna, tene:re, tənɪɜ, tener, tenere, təni, tini, tinji, tsine, stringere, strindʒere, stringe, strɛngi:, strindʒe, enxugar, impingere, impindʒere, impindʒe, lankea:re, lanθar, lanʃare, ʎansa, lanci:, lanʃa:, ɛ:runka:re, arankar, arronʃare, ko:nsuere, kontar, kontare, konta:, ɛ:numera:re, enumɛɛ, enumerar, enumerare, enumera, numara, ekspɔ:nere, spune, kanta:re, kantar, kantare, kanta, canta:, kinta, inglakia:re, ingetsa, inkendere, enθender, inʃɛndjare, ʃsɛndʒar, ənsendrə, inʃindʒe, omne:s, tantus, tanto, tant, tanc, alguno, alkuno, magnus, grandem, grande, grande, gran, grant, longus, longo, lungo, lunk, lung, anʃo, pe:sant, pesante, pezant, 'pittinus, pittino, pekenu, pikenu, putsin, angustus, angosto, angusto, minu:tus, mɔny, menudo, minuto, mənut, minu, minu:t, mərunt, galbinus, zon, dʒen, galben, u:num, uno, un, unu, kʷinkʷe, θinko, ʃinf, kjen, ʃine, kʷando:, kwando, kwan, kwand, kwant, kind, no:n, nɔ, no, non, nəw, nu, nek, ni, ne, nəj, nəj, nə
14	s	no:s, nos, nojs, wo:s, bos, vojs, bus, vos, usted, vose, vɔse, veste, sponsa, esposa, spɔza, ispoza, əspɔzə, mari:tus, sponsus, esposo, spɔzo, ispozɔ, əspɔs, spo:s, sokius, sɔʃo, sots, be:stia, bis, piskem, pɛs, pwasɔ, useɔ, passerem, passero, pasɛru, pasɛre, peduklus, serpentem, sɛpɔ, serpente, serpente, sɛpɛʃi, sirpɛti, sərpen, sɛjɛpɛ, sarpint, serpens, sjerpe, sɛrpe, serp, silwa, selba, selva, sɛwva, sɛlvə, selve, pa:lus, fru:ktus, pilus, kapillus, kavettsa, kabesɛ, kɛʃesɛ, testa, testa, testɛ, testə, ʃɛs, teste, tɛastə, okulus, na:sus, naso, na:so, nas, na:s, naris, na:rɪs, so:lem, sol, sole, sɔw, sɔɔ, sɔl, sɔlɔ, sɔare, solikulus, sɔlɛj, soreli, ste:lla, estreja, stella, istrelɛ, əstɛl, stɔ:l, stele, stɛa, ri:wus, sa:lem, sɛl, sal, sale, saw, se, sa:l, sare, tene:bra:s, tinjeblas, tənəbrəs, fumase, sjel, sɛw, sɛl, si:ɜ, fumus, sɔdɜ, sendrə, sɛ:d, sɛzɛ, die:s, morsika:re, moskar, morsikare, musəga, musəgar, musəya, murseka, su:gere, syse, sugax, sugar, sysi:, suɔge, konspuere, kɔspye, kuspɪɜ, eskupir, əskupi, skujpa, sputere, esputar, sputare, spudar, ski:re, sapere, savwax, saber, sabɛɜ, sɛber, sɛʃe, savɔɜ, save:, kogno:skere, koɳesɛɜ, kuɳiser, koɳosi, pe:nsa:re, pɔse, pensar, pensare, pɛsax, pɛsar, pɔnsa, pɛse, peɳsa:, pɔsa, ɔksiɜ, uksi, fase, kasax, kɛsar, kɔsa, ʃɛsi:, pulsa:re, puse, pulsare, pulsa:, pulsa, seka:re, sje, segar, segare, segax, siyar, sɔya, sea:, ekskurta:re, skortare, skurta:, skurta, skindere, sɛde, se:para:re, sɔvɛ, separar, separare, separax, sipɛrar, sɔpɔra, separa:, separa, rasar, rasare, rasa:, raskar, rɔska, kosaɔ, kusar, ekskawa:re, eskabar, skavare, ekstendere, ekstender, estendere, istɛdɛɜ, əstendrə, ekstinde, jesi, sedere, swax, ser, sedere, sɛɜ, sedenta:re, sentar, sɛtar, senta:, stare, estar, stare, əsta, ɛs, sta:, sta, ose, aɔsa, aɔsar, əlsa, hɔ:si, turser, tɔrsə, segurar, siguraɜ, siyurar, eksprimere, ekspremir, spɛmere, əspremə, esprimi, skreme, serrere, serar, sɛɛa, sɛrar, sɔra, serare, sɛɛe, serrare, siɛar, sɛre, stringere, estrepir, strindʒere, əstreɳə, stringe, strɛngi:, strindʒe, frisar, frɛsa, ekstergere, estarsir, əstərʒi, eksu:ka:re, esɔije, suwe, suja:, uska, puse, pu:si:, pulsa:, lɛse, lɛsa, lɛsar, ʎansa, ko:nsuere, koser, ɔqase, ekspɔ:nere, sporre, spune, ekskurrere, eskurir, skorrere, əskorə, skori:, skurdʒe, glase, glɔsa, ɛsɔdʒe, ʃsɛndʒar, ʃsɛdʒar, ənsendrə, ustula:re, ustolare, ustura, omne:s, to:tus, multus, tantus, paɳkus, alius, magnus, longus, largus, la:tus, amplus, krassus, graso, grasso, gras, gras, gras, spissus, espeso, spesso, espesu, ʃfɛsu, əspɛs, spɛ, gurdus, grossus, grɔsso, grosu, grosu, grɔs, grwɛs, gros, grawis, lurdus, pe:sant, pesaɔo, pesante, pittitus, 'pittinus, pitulus, kurtus, brewis, angustus, angosto, angusto, ingust, striktus, estreʃo, stretto, istrejtɔ, əstret, stɔɔ:, stret, strimt, minu:tus, de:lika:tus, subtil:em, sutil, sufɪw, suptil, su:ti, sutil:, subtsire, sikkus, sɛk, seko, sekko, seku, sɛk, sɛf, sɛk, dekstrum, djestro, dɛstro, dɛstru, dɛstrə, di:re:ktus, dɛstra, russus, rosso, ros, rɔs, vermikulus, rubeus, galbinus, amarellus, krokeus, albus, duo:s, dos, dojs, duas, duɛs, tre:s, tres, tɛs, sɛk, siku, siɳk, isi, kʷis, si:k

Appendix 3 - Segments used in the word list

15	u	nu, vu, bus, tu, usted, mulierem, muxer, мулех, мулер, муле, mui:r, mujere, epuz, mulier, muxer, мулех, мулер, муле, mui:r, mujere, mari:tus, maridu, mēriðu, sponsus, epu, ispozu, ifpozu, sokius, awikellum, uttfello, useA, utfjel, paseru, peduklus, pu, pioA, pju, pædukje, arvuri, arbul, pa:lus, fru:ktus, fruto, frutto, frute, frujt, frut, frukt, kua, pluma, pjuma, plume, pilus, pelu, pilu, kapillus, kabelu, kəβelu, ureA, ureke, okulus, oA, na:sus, bukka, buf, bukə, gula, gurə, solikulus, luna, lue, Aunə, lune, lunə, pluwia, jubja, juve, pluzə, fjume, flumi, flumi, flum, ri:wus, xiu, lakum, lagu, layu, nebula, negurə, fumata, fuma:ta, fumase, fumate, kajlum, wentum, vētu, fu:mus, umo, fumo, fumu, fum, fokum, fogu, foyu, fenufə, diurnum, zu, djurno, diurna:ta, zuəne, annum, enu, nume, kumer, manduka:re, mandukar, mūdər, musəga, musəgar, musəya, murseka, suga, sugar, cuca:, sudže, konspuere, kuspix, kuspīr, eskupir, əskupi, skuja, sputere, esputar, sputare, spuda:, kupiser, kunejə, kuŋaʃte, kuzitar, kuzitar, kujda, kuʒeta, durmir, durmi, durmir, mukix, muker, muri, muri:, muri, tuwe, utfider, uksi, ufide, pugna:re, punar, punpare, puna, battuere, pulsa:re, puse, puxar, pulsare, puʃa, puʃar, pulsa:, pulsa, kurta:re, kurtar, ekskurta:re, ekuʃte, skurta:, skurta, pungere, pundgere, puni, pundže, jugula:re, jugula:re, kusar, bula, zbura, lua, tuəne, turnar, turna, turna, turser, tumbat, tumba, tume, segurar, sigurə, siyurar, enxugar, affugare, əfugar, əfuyar, əfuga, suwe, suja:, uska, puse, pulsa:, e:runka:re, aruŋka, ko:nsuere, kud, kufire, kuzer, kuzi, kuzi, komputa:re, kumta, e:numera:re, enume, enumerar, enumerare, enumera, numara, spune, ludir, xugar, zuyar, zuga, dzuwe, dzuja:, zuka, flu:ktua:re, flugtwar, fluttuare, flutuak, flutuar, fluktua, fluctua, fluita:re, fluitare, fluere, fluir, fluire, flui, kule, kuar, kuA, ekskurrere, eskurir, ifkurer, skurdže, kurrere, kux, ku, kurže, bruʃare, bruza:, ustula:re, ustolare, ustura, to:tus, tu, tutto, todu, todu, dut, multus, mu, mufo, mju, mult, tantus, tētu, tētu, alguno, alkuno, əlgu, paŋkus, powku, owtru, alius, magnus, longus, lungu, lōgu, lunk, lung, largus, laŋgu, largu, la:tus, latu, amplus, əfu, krassus, grafu, spissus, espesu, ifpesu, gurdus, grossus, grosu, grosu, lurdus, lu, pezadu, pizaðu, pittitus, pittinus, pekenu, pikenu, putsin, pitulus, piʃul, kurtus, ku, kuʃtu, kurtu, kurt, kurt, angustus, angusto, iŋgust, striktus, istrejt, iftrejt, minu:tus, menudo, minuto, miudu, miuðu, mənut, minu, mərunt, de:lika:tus, dewgadu, deʃaðu, subti:lem, sutil, sufiw, suptil, suti:l, subtsire, sikkus, seku, dekstrum, destru, deʃtru, di:re:ktus, russus, u, uofu, rofu, vermikululus, vemeA, vimejA, rubeus, u, rubjo, rubeo, ruže, galbinus, amarellus, emarelu, emerele, krokeus, albus, awvu, alvu, u: num, uno, un, uŋ, unu, duo:s, duaj, due, duas, dues, du, kwatru, patru, siku, ekkumhi:k, kwedu, komu, kum, nu
16	f	no, vof, ifpozə, ifpozu, biffa, bife, pefse, pejfi, pejfi, pef, pefte, farpe, farpe, fəvə, fəve, tefte, neri, buf, iftrele, juve, treve, size, fenufə, kuspīr, fti, konoffere, kunejə, kuŋaʃte, fase, puʃa, puʃar, findere, kaʃka, kaʃkar, ifkevar, ifkevar, fəmine, maʃe, iftēder, sedə, iftar, altja:, fwa, ifprəmek, ifprəmer, əstriʒir, əstriʒir, iffrigar, iffriyar, sterže, affugare, əfugar, əfuyar, əfuga, fāte, ifkoxe, ifkurer, əfu, grafu, ifpesu, iftrejt, deʃtru, uofu, uofu, rofu, doj, du, tref, fi
17	oj	noj, voj, nojti, froj, rojb, dojs, doj, doj
18	v	vu, voi, vajs, vof, vos, vo:, voj, vose, vose, avi, avi, v, verme, vemi, vermi, verm, vjer, vjer, vjerme, avori, arvuri, selva, sewva, selve, selve, fəvə, fivja, cavej, fəve, kavettsa, voli, juve, kivjek, rivi:, nevve, treve, vā, vento, vētu, vē, vint, vint, bevi, savwa, savə, save:, viv, vivere, vive, viver, vivi, via, dividere, dvidi, dividi, divide, səvə, kavare, kevar, kevar, çəvle, java:, skavare, ifkevar, ifkevar, zjava:, naviga:re, navigare, naviyak, neviyar, naviga:, naviga, vole, volare, voak, vwar, vōle, zvolare, zvolar, vni, venire, vi, vir, vini, viji, veni, leva:re, ləve, levare, levar, livar, levar, vi, virare, virar, lave, lavare, levar, lava:, greve, gravi, gravi, grav, grevi, breve, brevi, brevi, vermikululus, vemej, vermiA, vemeA, vimejA, v, verde, verdi, vert, v, vert, verde, awvu, alvu, vi
19	b	bos, bus, embra, fembra, ombre, bestia, biffa, bife, bis, abe, berme, arborem, avb, albero, abra, o:b, arbul, arbore, selba, kabejo, kabelu, kəbē, kabesə, bukka, buf, boka, bokka, bok, bokə, bok, bōce, bukə, jubja, nebula, njebla, nebbja, tene:braj, tenebre, tene:bra:s, teneb, tinjeblas, tenebre, tenebras, bjento, ben, nombre, limbə, bibere, bwak, beber, bere, bebe, bifer, bewrə, bō, bevi, bea, saber, sabek, seber, bibir, biwrə, battuere, bat, batir, battere, bate, bter, batrə, bate, bati, dibidir, dibidi, kabar, kəba, eskabar, nabegar, nəbəga, bolar, bula, zbura, ambita:re, benir, bəni, jebar, kəba, birar, bira, tōbe, tumbat, tōb, tōbar, tumba, bōyle, bruʃare, bu:le, bruza:, flābe, grabe, brewis, bēf, brebe, breve, brevi, brevi, brew, bēf, subti:lem, subtsire, bermexo, bemeA, rubeus, rubjo, rōbbjo, rubeo, rojb, berde, galbinus, galben, albus, albo, alb, ibi:

Appendix 3 - Segments used in the word list

20	t	tu:, ty, tu, usted, voste, infantem, infante, fante, ifēti, mari:tus, marito, marit, mari:t, mōrit, ma:trem, patre, tata, tatə, be:stia, pefte, utfjello, serpentem, serpiente, serpente, sirpēti, sarpint, fru:ktus, fruto, frutto, frutē, frujt, frut, frukt, kapitia, kavettsa, testa, tet, testa, teste, tēfē, testə, teste, tēgastə, steilla, etwal, estreja, stella, istrele, iftrele, əstel, stə:l, stele, stęa, la:t, terra, tēr, tjera, terra, tērę, tērę, tērę, tēr, tјere, tene:braj, tē:nebre, tene:bra:s, tenębę, tinjebłas, tē:nebre, tręvęf, tőnebrās, fu:ma:ta, fumata, fuma:ta, fumate, wentum, bjento, vento, vētu, 'vint, vint, noctem, nōtte, nojti, nit, nyt, nōt, nqapte, diurna:ta, đgornata, sputere, esputar, sputare, fti, kōnetę, kunqafte, kō:gita:re, kodžitare, kuzitaę, kuzitar, kuđęeta, time:re, temer, temere, temę, timer, temə, temi, teme, tremere, tremę, tremare, tremę, trimer, trima:, tu:tari, tųę, tuwe, maktare, mate, matar, mataę, mętar, męta, utfjidere, battuere, batę, bator, battere, bateę, bęter, batrə, bate, bati, kaptia:re, kattfare, kurta:re, kortar, kōrtar, kurtar, ekskurta:re, ekuęte, skortare, skurta, skurta, ta:lia:re, taje, taxar, tałłare, tałar, tęlar, tęla, tęji:, taja, fēt, parti:re, paktir, partire, partir, pęti, pęti, pęti, parti:, nata:re, nwotare, ambita:re, ekstendere, etāđę, ekstender, estendere, istēdeę, iftēder, əstendrə, ekstinde, sedenta:re, sentar, sętar, senta:, sta:re, etę, estar, stare, iftar, əsta, sta:, sta, altia:re, altja:, torna:re, tuęne, tornar, tornare, tōnęar, turnar, turna, tu:rne, torna:, turna, tork ^w :re, tōđę, tōręer, tōrfjere, turser, tōrsə, tōarfe, tōbe, tumber, tōbar, tōbar, tumba, tume, tene:re, tōnįę, tener, tenere, tę, ter, tēni, tini, tinji, appektora:re, apretar, ępirtar, stringere, etęđę, estrepir, strindęere, əftrįgir, əftrįgir, əstrepə, stringe, stręngi:, strindę, frikta:re, fęote, frotar, frettare, tergere, tēđęere, ekstergere, estarsir, əstęrzi, fterđę, tira:re, tięe, tirar, tirare, tira, tire, tira:, trahere, tęę, trarre, traze, tręzer, tręwrə, traj, trađę, jakta:re, zōte, đęettare, zęjtar, xita, đęte, aptare, atar, ętar, komputa:re, kōte, kontar, kontare, kōtar, kumta, kontar, kanta:re, jōte, kantar, kantare, kętar, kęta, fęte, cantar, kinta, flu:ktua:re, flyktųę, flugtwar, fluttuare, flutuak, flutuar, fluktua, fluctua, fluita:re, fluitare, gjattfjare, ustula:re, ustolare, ustura, to:tus, tu, todo, tutto, todę, tot, tő, dut, multus, molto, mųtu, mult, tantus, tanto, tętu, tętu, tant, tanc, alter, otę, otro, altro, owtru, altrə, őt, altri, alt, grant, la:tus, lato, latę, lat, pe:sant, pesante, pęzat, pezant, pittitus, pęti, pętit, piti, 'pittinus, pitfjino, pitulus, kurtus, korto, korto, kuętu, kurtu, kurt, kurt, angustus, angosto, angusto, įngust, striktus, etęwa, estrefo, stretto, istrejtu, iftrejtu, əstret, stęę:, stret, strimt, minu:tus, minuto, męnut, minu:t, męrunt, de:lika:tus, delikato, dęlikat, subtilęm, sutil, sottile, suptil, su:ti, suti:l, dekstrum, djestro, đestro, đęstru, đęftru, đęstrə, di:re:ktus, đęwat, đęstra, di:rejte, di:rejte, dret, drō:t, 'dret, drept, vert, vert, tre:s, tęwa, tres, tre, tref, tres, trę:, 'tre:, trej, k ^w attwor, katę, kwatro, kwattro, kwatru, kwatrə, kwat, kwatri, patru, kwant, fjemu:t, et
21	u:	tu:, u:ęe:, fru:ktus, plu:ma, u:j, lu:na, plu:ę, flu:men, fu:ma:ta, gelu:, fu:mus, fu:k, đęu:, đęu:, su:gere, tu:tari, tu:rne, eksu:kare, pu:si:, lu:dere, flu:ktua:re, bęu:le, ku:ę, minu:tus, minu:t, du:ęe:, su:ti, u:num, fjemu:t
22	y	ty, fry, plym, lyn, ęy, njōly, fyme, nyt, syse, sysi:, kōspyę, zygyę, gyra:re, flyktųę, flye, bęyle, męny
23	d	usted, domina, dam, doņa, dōnna, done, dōnə, dęm, dęne, dęamnə, maridu, ma:dre, pa:dre, peduklus, pidōkkjo, pedoli, pędukje, kaęda, koda, kawde, kōde, cōadə, pjoddęa, sādę, sendrə, sę:d, die:s, dia, di, dię, diə, diə, diurnum, djurno, diurna:ta, xornada, đgornade, komedere, manduka:re, mandukar, morde:re, mōđę, mōđere, mōđę, mwardi, spuda:, kųide, kwidar, kujda, kęđę, dormi:re, dōxmįę, dormir, dormire, dōxmįę, durmir, durmi, dwaęmi, durmi:, dormi, okki:dere, utfjidere, ufjide, di:widere, dibidir, dividere, diviđir, dibidi, dividi, divide, skindere, sęde, findere, findere, fādę, ender, fędere, fędeę, fęder, fędrə, pwęđę, ra:dere, radere, rada:, rade, fodere, nadar, nadaę, nęda, nada:, andar, andare, ęđar, ęđar, ekstendere, etāđę, ekstender, estendere, istēdeę, iftēder, əstendrə, ekstinde, sede:re, sedere, fęđę, sedenta:re, tōđę, kadere, kadere, fјjade, kōđę, epęđę, etęđę, limpida:re, kuđę, di:kere, dię, deđir, dire, dizer, di, di:ę, di:, lu:dere, ludir, arde:re, ađđę, arder, ardere, ađđę, ęrder, arde, inkendere, ęsādję, enđender, infjendjare, isęđjar, ənsędrə, infjindęe, todo, todę, dut, grandem, grande, grande, gręđi, gurdus, gordo, lurdus, lerdo, lordo, pezadu, menudo, miudu, de:lika:tus, du:ęe:, dęlyado, delikato, dęwgadu, dęęyado, dęlikat, dekstrum, djestro, đestro, đęstru, đęftru, đęstrə, di:re:ktus, đęwat, dęretfj, đęstra, di:rejte, di:rejte, dret, drō:t, 'dret, drept, wiridem, berde, verde, verdi, verde, duo:s, dō, dos, dojs, dojf, dō:, doj, duaj, due, dowə, duas, duęs, duęf, k ^w id, k ^w ando:, kwando, kwędu, kwand, kind, k ^w o:modo
24	f	fe:mina, fam, femmina, femeę, femję, fembra, fęem, femine, femeje, infantem, āfā, infante, fante, ifęfi, ifęti, efā, fru:ktus, fępi, fruto, frutto, frutę, frujt, fry, frut, frukt, flo:rem, flęę, flor, fјo:re, flę, flō, flō:ę, flō:r, flqare, ca:f, flu:men, fjume, flumi, flumi, flum, fu:ma:ta, fyme, fumata, fuma:ta, fumasę, fumate, fu:mus, fumo, fumę, fum, fokum, fō, fwego, fwōko, fogu, fęyę, fōk, fō:, fu:k, fok, findere, fādę, fędere, fędeę, fęder, fęder, fędrə, fēt, fodere, fwįę, frika:re, fęęe, fregar, fregarę, fręga, froj, frea, freka, iffrijar, iffrijar, frikta:re, fęote, frotar, frettare, frisar, fręsa, flu:ktua:re, flyktųę, flugtwar, fluttuare, flutuak, flutuar, fluktua, fluctua, fluita:re, fluitare, fluere, flye, fluir, fluire, flwįę, flwir, flui, flamma:re, flōbe, flamear, fјammare, flama, flagra:re, flagęę, flagrar, flagrare, flagęar, flagrar, grįjef, bęef, bęef
25	e:	fe:mina, be:stia, pe:l, ste:lla, tene:braj, tene:bra:s, die:s, morde:re, save:, pe:nsa:re, time:re, se:para:re, jake:re, đęatfe:re, sede:re, tork ^w :re, tene:re, e:runka:re, e:numera:re, arde:re, omne:s, pe:sant, de:lika:tus, du:ęe:, di:re:ktus, tre:s, 'tre:

Appendix 3 - Segments used in the word list

26	m	<p>fe:mina, fam, embra, femmina, femev, femjv, fembra, fœm, fêmine, femeje, mulierem, muxer, μολλε, μυλε, μυλε, μυλε, mui:r, mujere, domina, dam, døem, døamnə, hominem, ɔm, ombre, omēj, ɔmēj, ɔmə, ɔm, om, homo:, wɔmo, infantem, mulier, muxer, μολλε, μυλε, μυλε, mui:r, mujere, maritus, mavi, mariðo, marito, maridu, mæriðu, marit, mari:t, mærit, ma:trem, meɣ, maðre, ma:dre, mēj, marə, meɣ, mari, animalia, omaj, alimaɣa, nema:l, nəmaje, piskem, awem, awikellum, passerem, serpentem, wermem, berme, verme, vɛmɪ, vermi, vɛrm, vjerme, arborem, flo:rem, plu:ma, plym, pluma, pjuma, plomə, plɔm, plumɛ, so:lem, flu:men, fjume, flumi, flumi, flum, lakum, mare, meɣ, mar, maɣ, mar, meɣ, ma:r, sa:lem, ka:li:ginem, fu:ma:ta, fyme, fumata, fuma:ta, fumasə, fumate, kajlum, wentum, fu:mus, umo, fumo, fumu, fum, fokum, kinerem, noctem, diurnum, annum, no:men, no:me, nomi, nomi, nɔm, nume, no:minem, nombre, limbə, komedere, komer, kome, kumer, manduka:re, mǣge, mandukar, mandɣare, mēzav, mēzar, mæɣza, mari:, maɣɣa:, minka, morde:re, moɣdɣ, moɣðer, mɔrdere, moɣdeɣ, murðer, mwardi, morsika:re, moskar, morsikare, musəga, musəgar, musəɣa, murseka, time:re, temer, temere, temex, timer, temə, temi, teme, tremere, tremex, tremare, tremex, trimer, trima:, dormi:re, dæmɪɣ, dormir, dormire, doɣmɪɣ, durmir, durmi, dwaɣmi, durmi:, dormi, muɣɪɣ, morir, morire, moɣex, muɣer, muri, mæri, muri:, muri, makta:re, mate, matar, mataɣ, metar, mæta, maɣa:, fəmine, kaminar, kamminare, kəmiɣav, kəmiɣar, kəmina, ʃimine, camina:, maɣʃe, ma:ɣʃi:, mergere, mæɣɣere, mæɣɣe, ambita:re, tumbar, tumba, tume, eksprimere, ekspremir, spremer, iʃpɣemex, iʃpɣemer, əspremə, esprimi, skreme, limpida:re, limpjar, impingere, impindɣere, əmpɣə, impindɣe, komputa:re, kumta, e:numera:re, enumeɣe, enumerar, enumerare, enumera, numara, krema:re, kɣame, kemaɣ, kremare, kəjmare, kəjmaɣe, krəma, flamma:re, flamear, fjammare, ʃama, omne:s, multus, mu, muʃo, molto, mǣjtu, mol, molc, mult, magnus, maɣo, maɣno, grandem, majjo:rem, mare, amplus, ampjo, amplə, strimt, minu:tus, mæny, menudo, minuto, miudu, miuðu, mænut, minu, minu:t, mærun, subti:lem, dekstrum, vermikulul, vɛmɛj, bermexo, vermiλλo, vɛmeɣu, vɛmɛjɣu, bæmeɣ, wiridem, amarellus, amarijo, emarelu, emærelu, u:num, ekkumhi:k, kʷem, kʷo:modo, kəmə, komo, kome, komu, kɔm, kəmə, ʃemu:t, kum</p>
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Appendix 3 - Segments used in the word list

27	a	<p>fe:mina, fam, embra, femmina, fembra, domina, dam, doña, donna, infantem, infante, fante, sponsa, esposa, spoza, ispoza, mari:tus, ma:xi, mari:do, marito, maridu, marit, mari:t, maðre, marə, mari, patre, paðre, parə, pari, tata, tata, animalia, omaj, alimaja, nəmaje, be:stia, bi:ffa, pwasō, awem, abe, avi, aw, awikellum, wazo, passerem, paxaro, passero, pasəru, pasəre, sarpint, farpe, farpe, arborem, aʁbɐ, aʁbɔl, albero, aʁvori, arvuri, abrə, arbul, arbore, silwa, selba, selva, səwva, pal, palo, paw, par, kaɥda, kola, koda, kawde, kua, plu:ma, pluma, pjuma, penna, peɲa, panə, pwal, kapillus, kabejo, kapello, kabelu, ʃivja, cavej, kapitia, kaʃeθa, kavettsa, kabese, kap, testa, testa, o:rikla, orexa, orekkja, naso, nas, nariθ, nariʃe, naris, bukka, boka, bokka, gula, gola, ala, ala, a, alə, ale, lu:na, luna, ste:lla, etwal, estreja, stella, akʷa, aɣwa, akkwa, agwə, age, apə, pluwia, jubja, pjodɕa, ri:pa:ria, lakum, lak, lago, lago, lagu, layu, ʎak, mare, mar, maʁ, mar, sal, sale, saw, sare, terra, tjera, terra, tsarə, kalina, kalidɕine, kalizɕɛj, nebula, njebla, nebbja, tinjeblas, fu:ma:ta, fumata, fuma:ta, fumase, fumate, kajkia, θeniθa, dia, zəɲna, diurna:ta, xornada, ɕjornata, ɕjornade, annum, aɲo, anno, aɲ, aɲ, an, lingʷa, leɲgwa, lingwa, manduka:re, mandukar, mandɕare, mɛʒaʁ, mɛʒar, mɛɲza, maɲi:, maɲja:, minka, mwardi, moskar, morsikare, musəga, musəgar, musəɣa, murseka, sugaʁ, sugaɲ, skujpa, esputar, sputare, sapere, savwaʁ, saber, sabek, savə:ɾ, save:, kwidar, kodɕitare, kuzitaʁ, kuzitar, kujda, kudɕeta, pensar, pensare, pɛsaʁ, pɛsar, pənsa, pəsa, tremare, dwaʁmi, via, nəga, neka, anegar, annegare, makta:re, mate, matar, mataʁ, mɛtar, mɛta, maʃa:, puɲar, puɲjare, puɲa, battuere, batʁ, batir, battere, bateʁ, batrə, bate, bati, kaptia:re, fase, kaθar, katʃare, kasəʁ, kesar, kəsa, caʃa:, puxar, pulsare, puʃaʁ, puʃar, pulsa, segar, segare, segaʁ, siɣar, səɣa, kortar, koɲtaʁ, kurtar, skortare, skurta, taxar, taʎʎa:re, taʎaʁ, tɛʎar, təʎa, taja:, təja, partire, paɲtiʁ, paɲtir, partire, paɲʃiɲ, parti:, se:para:re, separar, separare, separaʁ, sipɛrar, səpəra, separa:, separa, raer, radere, ʁaek, rawrə, rada:, rade, rasar, rasare, ʁazaʁ, ʁəzar, rəza, rasa:, raskar, ʁaʃkaʁ, ʁɛʃkar, rəska, kosaɫ, kusar, kawa:re, kabar, kavare, kəvaʁ, kəvar, kəba, java:, ekskawa:re, eskabar, skavare, iʃkəvaʁ, iʃkəvar, zɣava:, nata:re, nadar, nwotare, nadaʁ, nɛðar, nəda, nada:, naviga:re, naze, nabegar, navigare, naviɣaʁ, nɛviɣar, nəbəga, naviga:, naviga, bolar, volare, voaʁ, vwar, bula, zvolare, zbura, kaminar, kamminare, kəmiɲaʁ, kəmiɲar, kəmina, camina:, maɾʃe, ambita:re, andar, andare, ɛdaʁ, ɛdar, jake:re, jaθer, ɕatʃe:re, zawrə, swaʁ, sentar, sɛtar, estar, stare, iʃtar, əsta, sta, jebar, levare, levaʁ, livar, ʎəba, lua, altia:re, alθar, altsare, aʎsa, aʎsar, əʎsa, alʃa:, tornar, tornare, toɲnaʁ, turnar, turna, turna, xirar, ɕirare, zirar, zira, birar, virare, virar, bira, kadere, ʃwaʁ, kaer, kadere, kawrə, ʃjade, tumber, tɔbaʁ, tɔbar, tumba, segurar, siguraʁ, siɣurar, serar, səka, sərar, səra, serare, θerar, serrare, siɣar, appekto:re, apretar, ɛpirtar, fregar, fregar, frəga, frea, freka, iʃfrigar, iʃfriɣar, frotar, frettare, frisar, frəsa, lawa:re, lave, laʃar, lavare, levar, lava:, la, estarsir, enxugar, affugare, ɛʃugar, ɛʃuɣar, əʃuga, uska, limpjar, lipar, tirar, tirare, ʃira, tira, trahere, trarre, traze, tradɕe, jakta:re, eʃar, ɕettare, zejtar, xita, lankea:re, lanθar, lanʃare, lɛsa, lɛsar, ʎənsa, lancir, lanʃa:, arankar, arronʃare, aruɲka, legar, legare, ʎiya, lega, apta:re, atar, ɛtar, kontar, kontare, kɔtar, kumta, enumerar, enumerare, enumera, numara, kanta:re, kantar, kantare, kɛtar, kənta, canta:, kinta, xugar, ɕokare, zogəʁ, zuɣar, zuga, zuka, flugtwar, fluttuare, flutuəʁ, flutuar, fluktua, fluctua, fluitare, kolar, kolare, koaʁ, kuar, kuʎa, elar, ɕelare, zilar, zəla, ɕale, glakia:re, glase, gɕatʃjare, gləsa, glaʃa:, inglakia:re, ingetsa, bruʃfare, kɣame, kemar, kremare, kɛjmare, kejməʁ, krəma, flamma:re, flamear, ʃjammare, ʃlama, arde:re, aʁdɐ, arder, ardere, aʁdek, arde, flagra:re, flagɕe, flagrar, flagrare, flagɣaʁ, flag rar, iɲʃendjare, iʃendɕiar, iʃɛdjar, ustolare, ustura, tantus, tanto, tant, tanc, alguno, alkuno, awgū, aʎgū, alter, altro, altrə, altri, alt, alius, aw, aʎ, magnus, maɲo, maɲɲo, grandem, grande, grande, gran, grant, mare, largus, laɾɕ, laɾɕo, largo, laɾɕu, largu, ʎark, lark, larg, lato, latu, lat, amplus, aɲʃo, ampjo, amplə, krassus, graso, grasso, graʃu, gras, gras, gras, grawis, grabe, gravi, gravi, grav, pe:sant, pesaɔo, pesante, pezadu, pizaɔu, pəzat, pezant, angustus, angosto, angusto, etɣwa, deʎaɔo, delikato, dewgadu, deʎaɔu, dəlikat, dɔwat, destra, galbinus, galben, amarellus, amarijo, ɛmarɛlu, albus, albo, awvu, alvu, alb, duas, kʷattwor, katɐ, kwatro, kwattro, kwatru, kwatrə, kwat, kwatri, patru, aki, la, aja, əʎa, ai, kwa, kʷando:, kwando, kwan, kwand, kwant</p>
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Appendix 3 - Segments used in the word list

28	r	embra, fembra, muxer, muŕer, ombre, muxer, muŕer, mariðo, maridu, meriðu, marit, maðre, marə, paðre, parə, paxaro, pasəru, pasəre, serpjente, sirpēti, ſarpe, ſjerpe, ſerp, ſarpe, berme, vermi, verm, arþol, albero, aŗvori, arvuri, abrə, par, fruto, frutə, frujt, flor, fjo:re, floare, pər, orexa, oreſə, orejſə, ureſə, nariþ, naris, nərif, gurə, sqare, estreja, istrele, iſtrele, mar, treveſ, tanebrəs, tfer, djurno, zorn, xornada, nombre, beber, bere, biþer, bəwrə, komer, kumer, mandukar, manđare, mēzar, morðer, murðer, moskar, morsikare, sugar, kuſpir, eſkupir, eſputar, sputare, saber, seber, konoþer, kuņiser, kwidar, kužitar, pensar, pensare, pəsar, temer, timer, tremmer, tremex, trimer, dormir, durmir, bibir, viver, biwrə, morir, muxer, muri, anegar, matar, mētar, uttfidere, pupar, batir, bēter, batrə, kaþar, keſar, puxar, puſar, segar, siyar, kortar, kurtar, taxar, teſar, dibidir, dividiðr, ender, fēder, fēndrə, partir, pērtir, separar, separax, sipərar, səpəra, pūzir, raer, keer, rawrə, rasar, vezar, raskar, veſkar, kusar, kabar, kevar, eskabar, iſkevar, nadar, nwtore, neðar, nabegar, neviyar, bolar, volare, vwar, zvolare, zbura, kaminar, kamminare, keminar, andar, ēdar, benir, venire, vir, ekstender, iſtēder, əstendrə, jaþer, đazfe:re, zezer, zawrə, ser, sentar, sētar, estar, iſtar, jebar, livar, alþar, aſsar, tornar, turnar, xirar, đirare, zirar, zira, birar, virare, virar, bira, torþer, kaer, kadere, keir, tumber, tōbar, tener, tenere, ter, segurar, sigurax, siyurar, ekspremir, əspremə, serar, sərar, þerar, siŗar, apretar, epirtar, estrepir, əstrejə, fregar, frəga, iſfriyar, iſfriyar, frotar, frisar, frəsa, laþar, levar, estarsir, enxugar, ēfugar, ēfuyar, limpjar, lipar, tirar, tſira, tira, traze, trezer, trəwrə, eſjar, zejtar, lanþar, lēsar, arankar, aruņka, legar, atar, etar, koser, kuzer, kontar, kōtar, enumerar, enumera, deþir, dizer, kantar, kētar, ludir, xugar, zuyar, flugtwar, flutuar, fluir, flwir, kolar, kuar, eskurir, iſkurer, skurđe, korer, kuŗer, kurđe, elar, žilar, kemar, kejmare, flumear, arder, erder, arde, flagar, flagar, enþender, isendjar, isēdjar, ənsendrə, otro, owtru, altrə, grande, grēđi, grēdi, mare, laryo, largu, lark, graso, grafu, gras, gordo, grosu, grosu, grəs, grabe, gravi, gravi, grew, grew, lerdo, korto, kurtu, kurt, brebe, brevi, brevi, brew, estreſo, istrejtu, iſtrejtu, əstret, djestro, destru, deſtru, destrə, dereſo, direjte, dret, drept, roſu, bermexo, virmejlu, berde, verdi, vert, verde, amarijo, emarelu, emerelu, grək, tres, tref, kwatro, kwatru, kwatrə
29	v	femev, femje, done, iſpozə, meriðu, biſe, pasəru, selve, frute, kawde, penə, keþelu, kabese, keþese, teste, teſte, oreſə, orejſə, nərif, boke, lue, istrele, iſtrele, agwe, suve, teke, teke, kelizēj, nevve, treveſ, fumase, sizeſ, die, enu, ligwe, seber, metar, beter, keſar, teſar, pērtir, sipərar, keer, vezar, veſkar, kevar, kevar, iſkevar, iſkevar, neðar, neviyar, keminar, keminar, zezer, zezer, keir, epirtar, levar, trezer, etar, erder, direjte, direjte, emarelu, emerelu, duəs, duəſ, eki, ei
30	œ	foem, doem, floex, œj, goel
31	ε	femine, efā, pes, pehō, uttfello, uttfel, sjekpē, serpe, verm, vjer, vjer, sewva, selve, selve, kode, plume, pen, peja, pene, pel, kəbeſ, ſəve, tet, testa, teste, teſte, tſes, teste, ureſə, bəce, əstel, stele, meŗ, sel, terra, teŗe, terə, tjere, nevve, tenəbŗ, treveſ, sjel, tſelo, sew, sel, vento, zel, đelo, zeſ, sendrə, tfinize, 'lenge, bəwrə, səþe, kənetŗ, kuneſə, tſesi, teji, fendere, fēndrə, neđi, merđgere, estendere, etŗ, es, spremere, sere, əstrejə, strengi, terđgere, teŗe, trəwrə, əmpenə, đete, inſendjare, espesu, əspes, spe, grwes, gwiĵef, greve, grevi, bŗef, breve, brevi, brevi, əstret, stret, deſyaðu, sek, sek, seſj, destro, destru, deſtru, destra, dret, 'dret, vŗmej, bŗmeſ, vert, vŗe, vert, đen, emarelu, emerelu, tres, ke, ε
32	l	mulierem, mulier, animalia, alimapa, nema:l, awikellum, uttfello, uttfel, peduklus, pedoli, arþol, albero, arbul, silwa, selba, selva, selve, pa:lus, pal, palo, pa:l, flo:rem, floex, flor, floŗ, fl, fl:ŗ, flo:r, floare, kola, pluma, plym, pluma, plomə, plom, plume, pilus, pwal, pelo, pelu, pilu, pel, pe:l, kapillus, kapello, kabelu, keþelu, o:rikla, orele, okulus, voli, gula, goel, gola, golə, gəle, a:la, el, ala, alə, ale, so:lem, sol, sole, sol, sol, solikulus, solēj, soreli, lu:na, lyn, luna, lue, lön, lune, lunə, ste:lla, etwal, stella, istrele, iſtrele, əstel, stə:l, stele, pluwia, plji, plužə, plu:ŗ, ploje, ploaje, flu:men, flumi, flum, lakum, lak, lago, lago, lagu, layu, la:t, sa:lem, sel, sal, sale, sa:l, ka:li:ginem, kalina, kalidžine, kalizēj, kelizēj, nebula, njoly, njebla, newlə, tinjeblas, kajlum, sjel, θjelo, tſelo, sel, tſi:l, gelu: zel, jelo, đelo, ling"a, lōg, lengwa, lingwa, ligwe, lēu, 'lenge, limbə, pulsa:re, pulsare, pulsa: pulsa, ta:lia:re, jugula:re, zygye, jugula:re, cə:ve, wola:re, vole, bolar, volare, bula, vōle, zvolare, zvolā: levara, ləve, levare, levar, livar, levar, lua, altia:re, alþar, altsare, əlsa, altfa:, lawa:re, lave, laþar, lavare, levar, lava:, la, limpida:re, limpjar, lipar, pulsa:, lankea:re, lōse, lanþar, lanſfare, lēsa, lēsar, lancir, lanſar, ligare, lie, legar, legare, loji: lea, lega, lu:dere, ludir, flu:ktua:re, flyktqe, flugtwar, fluttuare, flutuax, flutuar, fluktua, fluctua, fluita:re, fluitare, fluere, flye, fluir, fluire, flwir, flui, ko:la:re, kule, kolar, kolare, kole, gela:re, žəle, elar, đelare, žilar, žəla, đale, glakia:re, glase, gləsa, glaſa:, inglakia:re, bŗyle, bŗu:le, flamma:re, flūbe, flamear, flagra:re, flagŗe, flagar, flagrar, flagŗax, flagar, ustula:re, ustolare, multus, molto, mol, molc, mult, alguno, alkuno, əlgu, alter, altro, altrə, altri, alt, alius, longus, lō, longo, lungo, lōgu, lō, lunk, lung, largus, laŗz, laryo, largo, laŗgu, largu, lark, larg, la:tus, le, lato, latu, lat, amplus, āpl, amplə, lurdus, lue, lerdo, lordo, pitulus, pikkolo, piſful, de:lika:tus, deſyaðu, delikato, dəlikat, subti:lem, sutil, sottile, subtil, suti:l, vermikulus, galbinus, galben, amarellus, emarelu, emerelu, albus, albo, alvu, alb, illa:k, la

Appendix 3 - Segments used in the word list

33	r	mulierem, mui:r, mujere, mulier, mui:r, mujere, mari:tus, marito, mari:t, m̄arit, m̄a:trem, m̄a:dre, mari, patre, p̄a:dre, p̄e:r, pari, passerem, passero, serpentem, serpente, s̄arpen, sarpint, serpens, s̄erpe, wermem, verme, vjer, vjerme, arborem, arbul, arbore, fruk:tus, frutto, frut, frukt, flo:rem, flo:r, o:rikla, orekkja, orele, ureke, nariſſe, na:r̄is, soreli, ri:wus, rio, riw, riw, ri:paria, rivi:ſ, mare, mar, m̄a:r, sare, terra, tjera, t̄erra, t̄er̄a, tjere, tsar̄a, negur̄a, tene:braj, t̄e:nebre, tene:bra:s, t̄e:nebre, đ̄er, kinerem, t̄jenere, sendr̄a, diurnum, đ̄orno, diurna:ta, đ̄ornata, đ̄ornade, 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, kodđitare, 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, puŋŋare, battuere, battere, kaptia:re, kattfare, pulsa:re, pulsare, seka:re, segare, kurta:re, ekskurta:re, skortare, skurta:, frikta:re, ta:lia:re, tałła:re, di:widere, dividere, skindere, findere, f̄endere, parti:re, partire, p̄arti, p̄arti:, se:para:re, separare, separa:, separa, pungere, punđere, 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, m̄erdđere, merđ̄e, ambita:re, andare, weni:re, ekstendere, est̄endere, jake:re, đ̄ere, sede:re, sedere, sedenta:re, sta:re, stare, leva:re, levare, altia:re, altsare, torna:re, tornare, turna, turne, torna:, turna, gyra:re, đ̄irare, đ̄ira:, virare, tork ^w e:re, t̄orſfere, turser, t̄ors̄a, t̄or̄atſe, kadere, kawr̄a, tene:re, eksprimere, spr̄emere, iſpr̄ameſ, iſpr̄amer, esprimi, skreme, serrere, serar, s̄era, serare, ōerar, serrare, appektora:re, stringere, strinđere, əſtr̄izir, əſtr̄izir, stringe, strengi:, strinđe, frika:re, fregare, froj, frea, freka, frikta:re, frettare, frisar, laware, lavare, tergere, t̄erdđere, ekstergere, əst̄arzi, fterđe, eksu:ka:re, affugare, limpida:re, tira:re, tirare, tire, tira:, trahere, trar̄e, traj, trađe, impingere, impinđere, jakta:re, đ̄ettare, lankea:re, lanſfare, e:runka:re, arankar, arronſfare, liga:re, legare, apta:re, ko:nsuere, kuſfire, komputa:re, kontare, e:numera:re, enumerare, numara, di:kere, dire, eksp̄o:nere, sporre, kanta:re, kantare, lu:dere, joka:re, đ̄okare, flu:ktua:re, fluttuare, fluita:re, fluitare, fluere, fluire, ko:la:re, kolare, ekskurrere, eskurir, skorrere, əskor̄a, skori:, kurrere, korer, korrere, kor̄a, kori, gela:re, đ̄elare, glakia:re, gjatſfare, inglakia:re, bruſfare, bruza:, krema:re, kremare, kr̄ama, flamma:re, fjammar̄e, arde:re, ardere, flagra:re, flagrare, inkendere, inſendjare, ustula:re, ustolare, ustura, alter, altro, altri, grandem, grande, gran, grant, majjo:rem, largus, largo, lark, larg, krassus, grasso, gras, gurdus, grossus, gr̄osso, gr̄wes, gros, grawis, gr̄eve, grav, gr̄evi, lurdus, lordo, kurtus, korto, kurt, brewis, breve, striktus, stretto, str̄et, strim, m̄arunt, subtsire, dekstrum, d̄estro, di:re:ktus, d̄estra, di:rejt̄e, dr̄o:t, 'dr̄et, russus, roxo, rosso, ros, r̄os, vermikulus, vermiłło, b̄arm̄el, rubeus, rubjo, r̄obbjo, rubeo, ruđe, r̄oſj, rojb, wiridem, verde, v̄ert, amarellus, krokeus, kroſjeo, tre:s, tre, tres, tr̄o:, 'tre:, tr̄ej, k ^w attwor, kwattro, kwatri, patru
34	x	muxer, muxer, pa:xaro, p̄joxo, orexa, oxo, xornada, puxar, taxar, x̄irar, enxugar, xita, xugar, roxo, bermexo
35	ł	mołłe, mułek, mułer, mułe, mołłe, mułek, mułer, mułe, useł, piołu, poł, k̄abeł, orełe, orejłe, urełe, ołu, łun̄a, łak, tałła:re, taław, t̄el̄ar, t̄eł̄a, ł̄aba, ł̄ansa, ł̄iya, ł̄oŋ, łark, vermiłło, v̄er̄mełu, v̄ir̄mejłu, b̄arm̄el, əł̄a
36	ѣ	mułek, mułek, maķi, meķ, peķ, seķp̄ā, seķp̄ēſi, s̄jeķp̄ē, veķ, v̄eķmi, aķb̄, aķvor̄i, f̄yſi, floek, flok, fl̄o:ſ, oķej, plu:ſ, ѣy, ѣiu, ѣiu, ѣiv̄jeķ, rivi:ſ, meķ, maķ, meķ, teķ, teķe, teķe, te:ſ, teneb̄, si:ſ, s̄āđ̄, zuķ, z̄oķna, zuķne, bw̄aķ, bebeķ, b̄o:ſ, m̄ēz̄aķ, moķđ̄, moķdeķ, sugaķ, kuspī, savwaķ, sab̄eķ, k̄onet̄, koķeseķ, kużitaķ, p̄esaķ, tem̄eķ, k̄ēđ̄, t̄rem̄eķ, d̄oķmī, doķmī, d̄waķmi, viv̄, v̄iveķ, muķiķ, moķeķ, muķer, mataķ, əksiķ, bat̄, bateķ, kas̄aķ, ruſaķ, segaķ, koķtaķ, ekuķte, taław, đ̄iv̄idđ̄iķ, f̄āđ̄, f̄ēdeķ, paķtī, paķſī, s̄əv̄e, sepaṛaķ, p̄w̄ēđ̄, p̄ūżī, vaķ, v̄eer, v̄aze, vaķaķ, v̄eż̄aķ, vaſkaķ, v̄eſkaķ, fw̄iķ, kevaķ, iſkevaķ, nadaķ, naviyaķ, voaķ, keķiņaķ, maķſe, ēdaķ, v̄ənī, vī, et̄āđ̄, iſt̄ēdeķ, zezī, z̄eż̄eķ, sw̄aķ, seķ, et̄, levaķ, tuķne, toķnaķ, ziķe, viķe, t̄oķđ̄, f̄waķ, t̄oķaķ, t̄ənī, teķ, siguraķ, ep̄ēđ̄, iſpr̄ameķ, seķa, seķe, siķar, et̄ēđ̄, f̄eķe, f̄k̄ote, tiķe, t̄v̄eķ, kud̄, enumeķe, diķ, di:ſ, zoķaķ, flutuāķ, flwiķ, koaķ, iſkoķeķ, kuķiķ, koķeķ, kuķer, b̄ȳle, b̄ȳ:le, k̄v̄ame, keķmaķe, aķđ̄, aķdeķ, flaḡv̄e, flaḡvaķ, ot̄, ḡv̄ā, ḡv̄ā, laķz, laķgu, ḡv̄a, ḡv̄o, ḡv̄ijef, luķ, kuķ, kuķtu, ku:ſ, b̄v̄ef, b̄v̄ef, et̄v̄a, st̄v̄o:, d̄k̄wat, ѣu, ѣof̄, ѣof̄u, v̄eķmeķ, v̄eķmełu, v̄uż, veķ, v̄eķ, t̄v̄wa, kaķ
37	i:	mui:r, mui:r, mari:tus, mari:t, ri:wus, ri:paria, rivi:ſ, ka:li:ginem, si:ſ, t̄ji:l, maſi:, sysi:, ski:re, dormi:re, durmi:, wi:were, muri:, okki:dere, t̄ſesi:, teji:, di:widere, parti:re, parti:, neđ̄ji:, ma:ſſi:, weni:re, v̄ipi:, h̄o:si:, strengi:, pu:si:, lanci:, l̄ji:, di:kere, di:ſ, skori:, subti:lem, suti:l, di:re:ktus, k ^w i:nk ^w e, ekkumhi:k, ibi:, ki:, si:k
38	п	doſa, niſo, alimaſa, peſa, peſ̄a, p̄ot, aſo, aſ, m̄əſza, maſi:, koķeseķ, kuſiſer, koſosi, puſar, puſŋare, puſa, puſi, keķiņaķ, keķiņaķ, v̄ipi:, est̄reſir, əſtreſ̄a, əm̄peſ̄a, oſſi, maſo, maſſo, peķeſo
39	q̄a	đ̄oam̄n̄a, fl̄oare, c̄oada, s̄oare, pl̄oaje, n̄oapte, kun̄oafte, t̄or̄atſe, c̄oase
40	h	hominem, homo:, p̄eh̄o, u:he:, kin̄oh, h̄o:si:, trahere, ekkumhi:k
41	ēj	om̄ēj, əm̄ēj, nen̄ēj, kaliz̄ēj, k̄ēj, n̄ēj
42	ō	ō, n̄ō, k̄ōsp̄ye, l̄ō, n̄ō
43	ā	āf̄ā, ēf̄ā, seķp̄ā, v̄ā, s̄āđ̄, ā, l̄āg, m̄āze, p̄āse, f̄āđ̄, et̄āđ̄, l̄āse, f̄āte, t̄f̄āte, fl̄ābe, ēs̄āđ̄e, ḡv̄ā, ḡv̄ā, āpl, p̄əz̄ā, k̄ā, koṁā
44	ī	iſēſi, iſēti, siķeſ, liķwe, əſtr̄izir, əſtr̄izir, lipar, iſend̄j̄ar, iſēđ̄ar, siķu

Appendix 3 - Segments used in the word list

45	ē	ifēfi, ifēti, mēzax, mēzar, ēdax, ēdar, lēsa, lēsar, kētar, tētu, tētu, grēdji, grēdi, ēfu, kwēdu
46	f	ifēfi, sōfo, utfello, utfel, sēpēfi, fivja, fēs, nariŋe, fēatfē, fēlo, fēil, fēr, fēnere, fēnize, fēnuŋə, noŋe, maŋa, utfidere, ufide, kaffare, fēsir, caŋa, paŋfiv, fimine, ma:ŋfi: dʒaŋfē:re, zəŋfēa, tərŋfere, tərŋfē, fē:ŋ, fjade, fira, eŋar, lanŋare, lanŋa:, arronŋare, kuŋfire, ziŋe, fōte, gʒatŋare, glaŋa:, bruŋare, inŋendjare, inŋindʒe, muŋfo, anŋfo, pittino, piŋful, estreŋfo, suŋfiw, seŋ, deretŋo, rōŋ, kroŋfo, fŋŋkwe, 'fŋŋk, fŋŋf, fŋne, fē, fēmu:t
47	i	ifēti, iŋpozə, iŋpozu, pēji, avi, sirpēti, vermi, arvuri, pilu, iŋtrele, flumi, riw, vint, nojti, nomi, biŋer, minka, kuniŋer, timer, trimer, siyar, siperar, naviyar, neviyar, iŋtar, livar, ŋigurar, ŋigurar, ŋigar, ɣirtar, strindʒe, iŋfrigar, iŋfriyar, impindʒe, kinta, zilar, inŋetsa, inŋindʒe, grēdi, gravi, pizaðu, pikenu, brēvi, inŋust, iŋtrejtu, strimt, virmejlu, verdi, ki, kind
48	p	sponsa, epuz, esposa, spōza, ispoza, iŋpozə, əspōzə, sponsus, epu, esposo, spōzo, ispozu, iŋpozu, əspōs, spo:s, patre, pex, padre, pa:dre, paj, parə, pər, pari, piskem, peθ, peŋŋe, peji, peji, pef, pes, peŋte, pwasō, pēhō, passerem, paxaro, passero, pasəru, pasəre, peduklus, pu, pjoxo, pidəkkjo, piołu, poł, pju, pedoli, pədukje, serpentem, sērpā, serpjente, serpente, sērpēfi, sirpēti, sərpen, sjeŋpē, sarpiŋt, farpe, serpens, sjerpe, sərpe, serp, farpe, pa:lus, pal, palo, paw, pa:l, par, plu:ma, plym, pluma, pjuma, plomə, plom, plumə, penna, pen, peŋa, penə, pēnə, pen, pene, panə, pilus, pwal, pelo, pelu, pilu, pēl, pe:l, pər, kapillus, kapello, kapitia, kap, apə, pluwia, plqi, pjoddʒa, pluza, plu:ŋ, ploje, pləje, ri:paria, nqapte, konspuere, kōspye, kuspiŋ, kuspiŋ, eskupiŋ, əskupi, skuja, sputere, esputar, sputare, spuda:, sapere, pe:nsa:re, pāse, pensar, pensare, pēsax, pēsar, pənsa, pēse, pēnsa:, pəsa, pugna:re, puŋar, puŋŋare, puŋa, kaptia:re, pulsa:re, puse, puxar, pulsare, puŋax, puŋar, pulsa:, pulsa, parti:re, partix, partir, partire, paŋfiv, pərtir, pərti, pə:ti, parti:, separare, separar, separare, separax, siperar, sərəra, separa:, separa, pungere, pwēdix, pundʒere, pūziŋ, pūziŋ, puŋi, pundʒe, eksprimere, epwēdix, eksprimir, spremere, iŋprəmeŋ, iŋprəmer, əspremə, esprimi, appektora:re, apretar, ɣirtar, limpida:re, limpjar, lipar, puse, pu:si:, pulsa:, impingere, impindʒere, əmpenə, impindʒe, apta:re, komputa:re, eksponere, sporre, spune, paŋkus, pə, poko, pəko, powku, pək, pō, po:k, amplus, āpl, ampjo, amplə, spissus, epe, espeso, spesso, espesu, iŋpesu, əspes, spe, pe:sant, pəzā, pesaðo, pesante, pezadu, pizaðu, pəzat, pezant, pittitus, pəti, pətit, piti, 'pittinus, pekeŋo, pittino, pekenu, pikenu, putsin, pitulus, pikkolo, piŋful, suptil, drept, patru
49	z	epuz, spōza, ispoza, iŋpozə, əspōzə, spōzo, ispozu, iŋpozu, wazo, sizəf, fēnize, zi, waze, wazax, wəzar, rəza, zjava:, zvolare, zvolax, zbura, zezix, zezex, zəzer, zəŋfēa, traze, trəzer, kuzer, kuzi, kə:z, kuzi, dizer, ziŋe, bruza:, pəzā, pezadu, pizaðu, pəzat, pezant
50	ð	marido, meridu, madre, padre, morðer, murðer, dividiŋr, neðar, toðu, pesaðo, pizaðu, miuðu, deŋyaðu, deŋyaðu
51	k	sokius, piskem, awikellum, peduklus, pidəkkjo, pədukje, fru:ktus, frukt, kaŋda, kə, kola, koda, kawdē, kua, kəw, kəde, kapillus, kabejo, kapello, kabelu, kəŋelu, kəbəl, kapitia, kaŋeða, kavettsa, kabese, kəŋese, kap, o:rikla, orekkja, ureke, okulus, əkkjo, bukka, boka, bokka, bokə, bokə, bək, bukə, solikulus, akkwa, lakum, lak, lak, kali:ginem, kalina, kalidʒine, kalizēj, kəlizēj, kajka, kajlum, fokum, fwəko, fək, fu:k, fok, kinerem, komedere, komer, kome, kumer, manduka:re, mandukar, minka, morsika:re, moskar, morsikare, murseka, konspuere, kōspye, kuspiŋ, kuspiŋ, eskupiŋ, əskupi, skuja, ski:re, kogno:skere, kənetx, konoθer, konoffere, kopeseŋ, kuniŋer, kuneŋə, kinəh, koposi, kungaste, ko:gita:re, kuŋide, kwidar, kodʒitare, kuŋitax, kuŋitar, kujda, kuŋgeta, kwēdix, neka:re, neka, makta:re, okki:dere, əksiŋ, uksi, kaptia:re, kaθar, kaffare, kasax, kəsar, kəsa, seka:re, kurta:re, kortar, kortax, kurtar, ekskurta:re, ekusə, skortare, skurta:, skurta, skindere, raskar, wəŋkax, wəŋkar, rəska, kosał, kusar, kawa:re, kabar, kavare, kəvax, kəvar, kəba, ekskawa:re, eskabar, skavare, iŋkəvax, iŋkəvar, kaminar, kamminare, kəminax, kəminar, kəmina, ekstendere, ekstender, ekstinde, jake:re, kadere, kaer, kadere, kəir, kawrə, kəde, eksprimere, eksprimir, skreme, appektora:re, frika:re, freka, frikta:re, ekstergere, eksu:ka:re, uska, jakta:re, lankea:re, e:runka:re, arankar, aruŋka, konsuere, kudx, koser, kuŋfire, kuzer, kuzi, kə:z, kuzi, komputa:re, kōte, kontar, kontare, kōtar, kumta, konta:, di:kere, eksponere, kanta:re, kantar, kantare, kētar, kənta, kinta, joka:re, dʒokare, zuka, flu:ktua:re, flyktqe, fluktua, ko:la:re, kule, kolar, kolare, koax, kuar, kuŋa, kəle, ekskurrere, eskurir, skorrere, iŋkəvəŋ, iŋkurer, əskorə, skori:, skurdʒe, kurrere, kuŋix, korer, korrere, kəvəŋ, kuŋer, korə, kori, kurdʒe, glakia:re, inglakia:re, krema:re, kəame, kemar, kremare, kəjmare, kəjmare, krəma, inkendere, okoē, alkuno, paŋkus, poko, pəko, powku, pək, po:k, lunk, lark, lark, krassus, pekeŋo, pekenu, pikenu, pikkolo, kurtus, kuŋ, korto, korto, kuŋtu, kurtu, kurt, ku:ŋ, kurt, striktus, de:lika:tus, delikat, dəlikat, sikkus, sək, seko, sekko, seku, sək, sək, dekstrum, di:re:ktus, vermikululus, krokeus, kroŋfo, grək, katx, kwatro, kwattro, kwatrə, kwat, kwatri, sək, θinko, fŋŋkwe, siku, ŋŋk, 'fŋŋk, ekkumhi:k, aki, kwi, əki, illa:k, ki, ki:, kwi, kjen, kēj, kēj, kwa, ke, ki, kə, kwə:, kə, kwando, kwēdu, kwan, kwand, kwant, kind, kəmə, komo, kome, komu, kəmə, kəmə, kum, nek, si:k
52	ts	sots, tsəstə, tsarə, altsare, tsine, inŋetsa, putsin, subtsire

Appendix 3 - Segments used in the word list

53	a:	ma:trem, ma:dre, pa:dre, nema:l, pa:lus, pa:l, ca:f, na:sus, na:so, na:s, na:ris, a:la, ri:pa:ria, la:t, ma:r, sa:lem, sa:l, ka:li:ginem, tene:bra:s, fu:ma:ta, fuma:ta, diurna:ta, manduka:re, manja:, morsika:re, cuca:, spuda:, ko:gita:re, pe:nsa:re, pe:nsa:, trima:, neka:re, tu:ta:ri, makta:re, ma:fa:, pugna:re, kaptia:re, ca:fa:, pulsa:re, pulsa:, seka:re, sea:, kurta:re, ekskurta:re, skurta:, ta:lia:re, ta:lla:re, taja:, se:para:re, separa:, jugula:re, jugula:re, ra:dere, rada:, rasa:, kawa:re, java:, ekskawa:re, zjava:, nata:re, nada:, naviga:re, naviga:, wola:re, zvola:, camina:, ma:rfi:, 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, lanfa:, e:runka:re, liga:re, lea:, apta:re, komputa:re, konta:, e:numera:re, kanta:re, canta:, joka:re, dzuja:, flu:ktua:re, fluita:re, ko:la:re, gela:re, glakia:re, gla:fa:, inglakia:re, bruza:, krema:re, flamma:re, flagra:re, ustula:re, la:tus, de:lika:tus, illa:k
54	ēj	mēj, kēlizēj, kēj, nēj
55	ṛ	meṛ, vjeṛ, fry, ɔraj, savø:ṛ, mɔri, pɔ:rti, ma:rʃi:, ʃe:ṛ, səraṛ, sere, iʃkurer
56	aj	paj, ɔraj, ajɣwə, tene:braj, kajkia, kajlum, nwaje, traj, majjo:rem, duaj
57	ε:	pε:r, u:he:, ε:w, tε:ṛ, tε:nebre, tε:nebre, ʃe:ṛ, kwe:
58	θ	peθ, kaβeθa, nariθ, θjelo, θeniθa, konoθer, kaθar, jaθer, alθar, torθer, θerar, lanθar, deθir, enθender, θinko
59	ej	pejfi, cavej, øej, zejtar, kejmæke, istrejtū, trej
60	ej	pejfi, orejʌe, kejmære, iftrejtū, direjtē, direjtē, virmejʌu
61	ō	pwasō, pehō, nō, tōbe, tōbaṛ, tōbar, kōte, kōtar, pō, ōt, lōgu, lō, ō
62	ē	sɛpɛʃi, sirpɛti, sjeɛpɛ, vɛtu, vɛ, pɛsaṛ, pɛsar, kɛɛdɛ, fɛdɛk, fɛder, istɛdɛk, iftɛder, sɛtar, ɛfugar, ɛfuyar, isɛdjar, sɛk, nɛ
63	β	arβol, keβelu, kaβeθa, keβesɛ, biβer, sɔβe, laβar
64	ł	sɛłve, sɔł, zɛł, ałsa, ałsar, kuł, flama, ałgũ, ał, dełyaðu
65	ɥ	fɥqi, plɥi, nɥi, kɥide, tɥe, esɥije, flyktɥe
66	ø:	flø:ṛ, gø:j, stø:l, fø:, bø:ṛ, savø:ṛ, kø:z, stxø:, drø:t, dø:, trø:
67	au	kaɥda, paɥkus
68	ø	kø, fənvø, løn, fø, pø, dø
69	c	cɔadə, cavej, ca:f, bɔce, noctem, cuca:, ca:fa:, camina:, lanci:, cɔase, canta:, fluctua, molc, tanc
70	ɛa	tɛastə, stɛa, ʃɛaʃə, bɛa, zəʃɛa, jedɛa, kədəa
71	kʲ	okʲ
72	g	gula, gola, golə, gɔle, gurə, age, lago, 'lɛnge, pugna:re, segar, segare, jugula:re, naviga:re, naviga:, mergere, gyra:re, stringere, stringe, strɛngi:, fregare, impingere, lega, xugar, gla:fa:, ingetsa, flagṛaṛ, alguno, magnus, grandem, gran, gṛā, grant, longo, lung, largus, larg, gras, gurdus, grossus, grɔsso, grosu, grwɛs, gros, grav, gravi, grew, ingust, grɔk
73	ej	sɔlej, fɛje, vɛmej
74	kʷ	akʷa, torkʷe:re, kʷattwor, kʷi:nkʷe, kʷis, kʷem, kʷid, kʷando:, kʷo:modo
75	ɣ	aɣwa, ajɣwə, laɣu, foɣu, musəɣa, siɣar, səɣa, naviɣaṛ, nɛviɣar, siɣurar, iffriɣar, ɛfuyar, ɣiya, zuɣar, larɣo, deɣaɔo, deɣaɔu
76	ē:	sē:d
77	dz	dzornade
78	ŋ	aŋ, nɔŋ, lɛŋgwa, maŋja:, peŋsa:, aruŋka, ɔŋ, ingust, uŋ, ʃiŋkwe, siŋk, 'ʃiŋk
79	gʷ	lingʷa
80	lɛɥ	lɛɥ
81	ɑ	bwaṛ, taje, ɤaze, gṛa, tṛwa
82	ʃ	maŋja:, java:, zjava:
83	ē	pɛse, sɛde, fɛt, pɛdɛk, ɛpɛdɛk, etɛdɛk, ɛsɔdje, kɔmɛ
84	ɔ:	pɔ:rti, hɔ:si:
85	ũ	pũziṛ, pũzir, mũjtu, awgũ, ałgũ, ũ
86	ɿ	kosaɿ
87	ç	çavle
88	a:	çavle
89	j	mũjtu
90	œ	okoœ, œ
91	ʊ	koʃʊ
92	ēw	nēw

Appendix 4 - Word Lists by Language

Latin

Cognate	IPA	Sounds
I	ego:	ay-g-O
We	no:s	n-O-s
YouPlural	wo:s	w-O-s
YouSingular	tu:	t-U
Woman	fe:mina	f-ai-m-e-n-ah
Woman-Mulier	mulierem	m-u-l-e-ay-r-ay-m
Woman-Domina	domina	d-oh-m-e-n-ah
ManHumanBeing	hominem	h-oh-m-e-n-ay-m
ManHumanBeing-Homo	homo:	h-oh-m-O
Child	infantem	e-n-f-ah-n-t-ay-m
Wife	sponsa	s-p-oh-n-s-ah
Wife-Mulier	mulier	m-u-l-e-ay-r
Husband	mari:tus	m-ah-r-E-t-u-s
Husband-Sponsus	sponsus	s-p-oh-n-s-u-s
Husband-Socius	sokius	s-oh-k-e-u-s
Mother	ma:trem	m-A-t-r-ay-m
Father	patre	p-ah-t-r-ay
Father-Tata	tata	t-ah-t-ah
Animal	animalia	ah-n-e-m-ah-l-e-ah
Animal-Bestia	be:stia	b-ai-s-t-e-ah
Fish-Piskem	piskem	p-e-s-k-ay-m
Bird-Avem	awem	ah-w-ay-m
Bird-Avicellum	awikellum	ah-w-e-k-ay-l-l-u-m
Bird-Passerem	passerem	p-ah-s-s-ay-r-ay-m
Louse	peduklus	p-ay-d-u-k-l-u-s
Snake	serpentem	s-ay-r-p-ay-n-t-ay-m
Snake-Serpens	serpens	s-ay-r-p-ay-n-s
Worm	wermem	w-ay-r-m-ay-m
Tree	arborem	ah-r-b-oh-r-ay-m
Forest	silwa	s-e-l-w-ah
Stick	pa:lus	p-A-l-u-s
Fruit	fru:ktus	f-r-U-k-t-u-s
Flower	flo:rem	f-l-O-r-ay-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
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
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

Appendix 4 - Word Lists by Language

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
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
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*ua	l-e-n-gw-ah
ToDrink	bibere	b-e-b-ay-r-ay
ToEat	komedere	k-oh-m-ay-d-ay-r-ay
ToEat-Manducare	manduka:re	m-ah-n-d-u-k-A-r-ay
ToBite	morde:re	m-oh-r-d-ai-r-ay
ToBite-Morsicare	morsika:re	m-oh-r-s-e-k-A-r-ay
ToSuck	su:gere	s-U-g-ay-r-ay
ToSpit	konspuere	k-oh-n-s-p-u-ay-r-ay
ToSpit-Sputare	sputere	s-p-u-t-ay-r-ay
ToKnow	ski:re	s-k-E-r-ay
ToKnow-Sapere	sapere	s-ah-p-ay-r-ay
ToKnow-Cognoscere	kogno:skere	k-oh-g-n-O-s-k-ay-r-ay
ToThink	ko:gita:re	k-O-g-e-t-A-r-ay
ToThink-Pensare	pe:nsa:re	p-ai-n-s-A-r-ay
ToFear	time:re	t-e-m-ai-r-ay
ToFear-Tremere	tremere	t-r-ay-m-ay-r-ay
ToSleep	dormi:re	d-oh-r-m-E-r-ay
ToLive	wi:were	w-E-w-ay-r-ay
ToKill	neka:re	n-ay-k-A-r-ay
ToKill-Tutari	tu:ta:ri	t-U-t-A-r-e
ToKill-Mactare	makta:re	m-ah-k-t-A-r-ay
ToKill-Occidere	okki:dere	oh-k-k-E-d-ay-r-ay
ToFight	pugna:re	p-u-j-n-A-r-ay
ToFight-Battuere	battuere	b-ah-t-t-u-ay-r-ay
ToHunt-Captiare	kaptia:re	k-ah-p-t-e-A-r-ay
ToHit	pulsa:re	p-u-l-s-A-r-ay
ToCut	seka:re	s-ay-k-A-r-ay
ToCut-Curtare	kurta:re	k-u-r-t-A-r-ay
ToCut-Excurtare	ekskurta:re	ay-k-s-k-u-r-t-A-r-ay
ToCut-Taliare	ta:lia:re	t-A-l-e-A-r-ay
ToSplit	di:widere	d-E-w-e-d-ay-r-ay
ToSplit-Scindere	skindere	s-k-e-n-d-ay-r-ay

Appendix 4 - Word Lists by Language

ToSplit-Findere	findere	f-e-n-d-ay-r-ay
ToSplit-Partire	parti:re	p-ah-r-t-E-r-ay
ToSplit-Separare	se:para:re	s-ai-p-ah-r-A-r-ay
ToStab	pungere	p-u-n-g-ay-r-ay
ToStab-Iugulare	jugula:re	jg-u-g-u-l-A-r-ay
ToScratch	ra:dere	r-A-d-ay-r-ay
ToDig	fodere	f-oh-d-ay-r-ay
ToDig-Cavare	kawa:re	k-ah-w-A-r-ay
ToDig-Excavare	ekskawa:re	ay-k-s-k-ah-w-A-r-ay
ToSwim	nata:re	n-ah-t-A-r-ay
ToSwim-Navigare	naviga:re	n-ah-v-e-j-A-r-ay
ToFly	wola:re	w-oh-l-A-r-ay
ToWalk-Mergere	mergere	m-ay-r-j-ay-r-ay
ToWalk-Ambitare	ambita:re	ah-m-b-e-t-A-r-ay
ToCome	weni:re	w-ay-n-E-r-ay
ToLieAsInABed	ekstendere	ay-k-s-t-ay-n-d-ay-r-ay
ToLieAsInABed-Iacere	jake:re	jg-ah-k-ai-r-ay
ToSit	sede:re	s-ay-d-ai-r-ay
ToSit-Sedentare	sedenta:re	s-ay-d-ay-n-t-A-r-ay
ToStand	sta:re	s-t-A-r-ay
ToStand-Levare	leva:re	l-ay-v-A-r-ay
ToStand-Altiare	altia:re	ah-l-t-e-A-r-ay
ToTurnIntransitive	torna:re	t-oh-r-n-A-r-ay
ToTurnIntransitive-Gyrare	gyra:re	j-eeh-r-A-r-ay
ToTurnIntransitive-Torquere	tork ^w e:re	t-oh-r-kw-ai-r-ay
ToFall	kadere	k-ah-d-ay-r-ay
ToHold	tene:re	t-ay-n-ai-r-ay
ToSqueeze	eksprimere	ay-k-s-p-r-e-m-ay-r-ay
ToSqueeze-Serrere	serrere	s-ay-r-r-ay-r-ay
ToSqueeze-Serare	serare	s-ay-r-ah-r-ay
ToSqueeze-Appetorare	appetora:re	ah-p-p-ay-k-t-oh-r-A-r-ay
ToSqueeze-Stringere	stringere	s-t-r-e-n-j-ay-r-ay
ToRub	frika:re	f-r-e-k-A-r-ay
ToRub-Frictare	frikta:re	f-r-e-k-t-A-r-ay
ToWash	lawa:re	l-ah-w-A-r-ay
ToWipe	tergere	t-ay-r-g-ay-r-ay
ToWipe-Extergere	ekstergere	ay-k-s-t-ay-r-g-ay-r-ay
ToWipe-Exsucare	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	eksponere	ay-k-s-p-O-n-ay-r-ay
ToSing-AncestralClass	kanta:re	k-ah-n-t-A-r-ay
ToPlay-Ludere	lu:dere	l-U-d-ay-r-ay
ToPlay-Jiocare	joka:re	jg-oh-k-A-r-ay
ToFloat	flu:ktua:re	f-l-U-k-t-u-A-r-ay

Appendix 4 - Word Lists by Language

ToFloat-Fluitare	fluita:re	f-l-u-e-t-A-r-ay
ToFlow	fluere	f-l-u-ay-r-ay
ToFlow-Colare	ko:la:re	k-O-l-A-r-ay
ToFlow-Excurrere	ekskurrere	ay-k-s-k-u-r-r-ay-r-ay
ToFlow-Currere	kurrere	k-u-r-r-ay-r-ay
ToFreeze	gela:re	g-ay-l-A-r-ay
ToFreeze-Glaciare	glakia:re	g-l-ah-k-e-A-r-ay
ToFreeze-Inglaciare	inglakia:re	e-n-g-l-ah-k-e-A-r-ay
ToBurn-Cremare	krema:re	k-r-ay-m-A-r-ay
ToBurn-Flammare	flamma:re	f-l-ah-m-m-A-r-ay
ToBurn-Ardere	arde:re	ah-r-d-ai-r-ay
ToBurn-Flagrare	flagra:re	f-l-ah-g-r-A-r-ay
ToBurn-Incendere	inkendere	e-n-k-ay-n-d-ay-r-ay
ToBurn-AncestralClass8	ustula:re	u-s-t-u-l-A-r-ay
All	omne:s	oh-m-n-ai-s
All-Totus	to:tus	t-O-t-u-s
Many	multus	m-u-l-t-u-s
Many-Tantus	tantus	t-ah-n-t-u-s
Few	paukus	p-au_diphthong-k-u-s
Other	alter	ah-l-t-ay-r
Other-Alius	alius	ah-l-e-u-s
Big	magnus	m-ah-j-n-u-s
Big-Grandem	grandem	j-r-ah-n-d-ay-m
Big-Majjorem	majjo:rem	m-aj_diphthong-jg-O-r-ay-m
Long-Longum	longus	l-oh-n-g-u-s
Long-Largum	largus	l-ah-r-j-u-s
Wide	la:tus	l-A-t-u-s
Wide-Amplum	amplus	ah-m-p-l-u-s
Thick	krassus	k-r-ah-s-s-u-s
Thick-Spissum	spissus	s-p-e-s-s-u-s
Thick-Gurdum	gurdus	j-u-r-d-u-s
Thick-Grossum	grossus	j-r-oh-s-s-u-s
Heavy	grawis	g-r-ah-w-e-s
Heavy-Lurdus	lurdus	l-u-r-d-u-s
Heavy-Pesant	pe:sant	p-ai-s-ah-n-t
Small	pittitus	p-e-t-t-e-t-u-s
Small-Pittinus	'pittinus	p-e-t-t-e-n-u-s
Small-Pitulus	pitulus	p-e-t-u-l-u-s
Short	kurtus	k-u-r-t-u-s
Short-Brevis	brewis	b-r-ay-w-e-s
Narrow	angustus	ah-n-g-u-s-t-u-s
Narrow-Strictus	striktus	s-t-r-e-k-t-u-s
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

Appendix 4 - Word Lists by Language

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

French

Cognate	IPA	Sounds
I	ʒə	gzah-aah
We	nu	n-u
YouPlural	vu	v-u
YouSingular	ty	t-eeh
Woman	fam	f-ah-m
Woman-Domina	dam	d-ah-m
ManHumanBeing	ɔm	euh-m
ManHumanBeing-Homo	ɔ̃	oon
Child	ɑ̃fɑ̃	NasalA-f-NasalA
Wife	epuz	ay-p-u-zz
Husband	maʁi	m-ah-rr-e
Husband-Sponsus	epu	ay-p-u
Mother	meʁ	m-ay-rr
Father	peʁ	p-ay-rr
Animal	omaj	oh-m-ah-jg
Fish-Pescion	pwasɔ̃	p-w-ah-s-on
Bird-Avicellum	wazo	w-ah-zz-oh
Louse	pu	p-u
Snake	sɛʁpɑ̃	s-ay-rr-p-NasalA
Worm	veʁ	v-ay-rr
Tree	ɑʁbɛʁ	ah-rr-b-rr
Stick	pal	p-ah-l
Fruit	fʁɥi	f-rr-eu-e
Flower	flœʁ	f-l-OpenMidNearFrontRounded-rr
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	oʁɛj	oh-rr-ej_diphthong
Eye	œj	OpenMidNearFrontRounded-jg
Nose	ne	n-ay

Appendix 4 - Word Lists by Language

Mouth	buʃ	b-u-shh
Mouth-Gula	gœl	g-OpenMidNearFrontRounded-l
Wing	el	ay-l
Sun-Solculus	sœlej	s-euh-l-eh_diphthong
Moon	lyn	l-eeh-n
Star	etwal	ay-t-w-ah-l
Water	o	oh
Rain	plqi	p-l-eu-e
River-Rivus	ky	rr-eeh
River-Riparia	ɣivjɛɾ	rr-e-v-jg-ay-rr
Lake	lak	l-ah-k
Sea	mɛɾ	m-eh-rr
Salt	sɛl	s-eh-l
Earth	tɛɾ	t-ay-rr
Fog-Nebula	njɔly	n-jg-euh-l-eeh
Fog-Tenebras	tɛnɛbɾ	t-ay-n-eh-b-rr
Fog-Fumata	fyme	f-eeh-m-ay
Sky	sjɛl	s-jg-eh-l
Wind	vɑ	v-NasalA
Ice	ʒɛl	gzah-eh-l
Fire-Focus	fø	f-uu
Ash	sɑdɾ	s-NasalA-d-rr
Night	nqi	n-eu-e
Day-Diurnus	ʒuɾ	gzah-u-rr
Day-Diurnata	ʒuɾne	gzah-u-rr-n-ay
Year	ɑ	NasalA
Name-Nomen	nɔ̃	n-oon
Tongue	lɑg	l-NasalA-g
ToDrink	bwaɾ	b-w-a-rr
ToEat-Manducare	mɑʒɛ	m-NasalA-gzah-ay
ToBite	moɾdɾ	m-oh-rr-d-rr
ToSuck	syse	s-eeh-s-ay
ToSpit	kɔspye	k-oon-s-p-eeh-ay
ToKnow-Sapere	savwaɾ	s-ah-v-w-ah-rr
ToKnow-Cognoscere	kɔnɛtɾ	k-euh-n-eh-t-rr
ToThink	kɥide	k-eu-e-d-ay
ToThink-Pensare	pɑse	p-NasalA-s-ay
ToFear-Tremere	kɛɛdɾ	k-rr-ehn-d-rr
ToSleep	dɔɾmiɾ	d-euh-rr-m-e-rr
ToLive	vivɾ	v-e-v-rr
ToDie	muɾiɾ	m-u-rr-e-rr
ToKill	nwaʒɛ	n-w-aj_diphthong-ay
ToKill-Tutari	tɥɛ	t-eu-ay
ToKill-Mactare	mate	m-ah-t-ay
ToKill-Occidere	ɔksɪɾ	euh-k-s-e-rr
ToFight-Battuere	batɾ	b-ah-t-rr
ToHunt-Captiare	ʃase	shh-ah-s-ay
ToHit	puse	p-u-s-ay
ToCut	sje	s-jg-ay
ToCut-Excurtare	ekuɾte	ay-k-u-rr-t-ay
ToCut-Taliare	tɑʒɛ	t-a-jg-ay
ToSplit-Scindere	sede	s-ehnn-d-ay
ToSplit-Findere	fɑdɾ	f-NasalA-d-rr
ToSplit-Partire	pɑɾtiɾ	p-ah-rr-t-e-rr
ToSplit-Separare	sɔvɾɛ	s-aah-v-rr-ay
ToStab	pwɛdɾ	p-w-ehnn-d-rr
ToStab-Iugulare	ʒygyle	gzah-eeh-g-eeh-l-ay

Appendix 4 - Word Lists by Language

ToScratch-Rasare	ʁaze	rr-a-zz-ay
ToDig	fwɪʁ	f-w-e-rr
ToSwim-Navigare	naʒe	n-ah-gzah-ay
ToFly	vole	v-oh-l-ay
ToWalk	ʃəmine	shh-aah-m-e-n-ay
ToWalk-Marcher	maʁʃe	m-ah-rr-shh-ay
ToCome	vəniʁ	v-aah-n-e-rr
ToLieAsInABed	etɑ̃dʁ	ay-t-NasalA-d-rr
ToLieAsInABed-lacere	ʒeziʁ	gzah-ay-zz-e-rr
ToSit	swaʁ	s-w-ah-rr
ToStand	etʁ	eh-t-rr
ToStand-Levare	ləve	l-aah-v-ay
ToStand-Altiare	ose	oh-s-ay
ToTurnIntransitive	tuʁne	t-u-rr-n-ay
ToTurnIntransitive-Gyrare	ʒiʁe	gzah-e-rr-ay
ToTurnIntransitive-AncestralClass3	viʁe	v-e-rr-ay
ToTurnIntransitive-Torqueare	tɑ̃dʁ	t-euh-rr-d-rr
ToFall	ʃwaʁ	shh-w-ah-rr
ToFall-Tumbare	tɔ̃be	t-on-b-ay
ToHold	təniʁ	t-aah-n-e-rr
ToSqueeze	epʁɛ̃dʁ	ay-p-rr-ehnn-d-rr
ToSqueeze-Serare	seʁe	s-ay-rr-ay
ToSqueeze-Stringere	etʁɛ̃dʁ	ay-t-rr-ehnn-d-rr
ToRub	fʁeʒe	f-rr-eh_diphthong-ay
ToRub-Frictare	fʁote	f-rr-oh-t-ay
ToWash	lave	l-ah-v-ay
ToWipe-Exsucare	esɥije	ay-s-eu-e-jg-ay
ToPull	tiʁe	t-e-rr-ay
ToPull-Pulsare	puse	p-u-s-ay
ToPull-Trahere	tʁeʁ	t-rr-eh-rr
ToThrow	ʒote	gzah-aah-t-ay
ToThrow-Lanceare	lɑ̃se	l-NasalA-s-ay
ToTie	lie	l-e-ay
ToSew	kudʁ	k-u-d-rr
ToCount	kɔ̃te	k-on-t-ay
ToCount-Enumerare	enumeʁe	ay-n-u-m-ay-rr-ay
ToSay	diʁ	d-e-rr
ToSing-AncestralClass	ʃɑ̃te	shh-NasalA-t-ay
ToPlay-Jiocare	ʒwe	gzah-w-ay
ToFloat	flyktɥe	f-l-eeh-k-t-eu-ay
ToFlow	flye	f-l-eeh-ay
ToFlow-Colare	kule	k-u-l-ay
ToFlow-Currere	kuriʁ	k-u-rr-e-rr
ToFreeze	ʒɔ̃le	gzah-aah-l-ay
ToFreeze-Glaciare	glase	g-l-ah-s-ay
ToBurn-Brojan	bʁyle	b-rr-eeh-l-ay
ToBurn-Cremare	kʁame	k-rr-ah-m-ay
ToBurn-Flammare	flɑ̃be	f-l-NasalA-b-ay
ToBurn-Ardere	aʁdʁ	ah-rr-d-rr
ToBurn-Flagrare	flagʁe	f-l-ah-g-rr-ay
ToBurn-Incendere	ɛ̃sadjɛ	ehnn-s-NasalA-d-jg-ay
All-Totus	tu	t-u
Many	mu	m-u
Some	okœ	oh-k-uuh
Few	pø	p-uu
Other	otr	oh-t-rr
Big-Grandem	gʁɑ̃	g-rr-NasalA

Appendix 4 - Word Lists by Language

Long-Longum	lō	l-oon
Long-Largum	laʁʒ	l-ah-rr-gzah
Wide	le	l-ay
Wide-Amplum	āpl	NasalA-p-l
Thick	gʁa	g-rr-a
Thick-Spissum	epe	ay-p-ay
Thick-Grossum	gʁo	g-rr-oh
Heavy	gʁijef	g-rr-e-jg-eh-f
Heavy-Lurdus	luʁ	l-u-rr
Heavy-Pesant	pəzā	p-aah-zz-NasalA
Small	pəti	p-aah-t-e
Short	kuʁ	k-u-rr
Short-Brevis	bʁef	b-rr-eh-f
Narrow-Strictus	etʁwa	ay-t-rr-w-ah
Thin	məny	m-aah-n-eeh
Thin-Delicatus	du:ʒe:	d-U-gzah-ai
Dry	sɛk	s-eh-k
Right-Directus	dʁwat	d-rr-w-ah-t
Red	ʁu	rr-u
Red-Vermiculus	vɛʁmɛj	v-eh-rr-m-eh_diphthong
Red-Rubeus	ʁuʒ	rr-u-gzah
Green	vɛʁ	v-ay-rr
Yellow	ʒon	gzah-oh-n
One	œ	uuh
Two-Duos	dø	d-uu
Three	tʁwa	t-rr-w-a
Four	katʁ	k-ah-t-rr
Five	sɛk	s-ehn-k
Here	isi	e-s-e
There	la	l-ah
Who-Qui	ki	k-e
What	kwa	k-w-ah
When-Quando	kā	k-NasalA
How-Quomodo	kɔmā	k-euh-m-NasalA
Not	nō	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	nijo	n-e-VdPalatalNasal-oh
Wife	esposa	ay-s-p-oh-s-ah
Wife-Mulier	muxer	m-u-xha-ay-er
Husband	mariɔ	m-ah-er-e-dd-oh
Husband-Sponsus	esposo	ay-s-p-oh-s-oh

Appendix 4 - Word Lists by Language

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
Fruit	fruto	f-er-u-t-oh
Flower	flor	f-l-oh-er
Tail	kola	k-oh-l-ah
Feather	pluma	p-l-u-m-ah
Feather-Penna	pepa	p-ay-VdPalatalNasal-ah
Hair	pelo	p-ay-l-oh
Hair-Capillus	kabejo	k-ah-b-ay-VdPalatalFricative-oh
Head	kaβeθa	k-ah-bb-ay-th-ah
Ear	orexa	oh-er-ay-xha-ah
Eye	oxo	oh-xha-oh
Nose	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
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
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
Night	noŋe	n-oh-ts-ay
Day	dia	d-e-ah
Day-Diurnus	djurno	d-jg-u-er-n-oh
Day-Diurnata	xornada	xha-oh-er-n-ah-d-ah
Year	apo	ah-VdPalatalNasal-oh
Name-Nominem	nombre	n-oh-m-b-er-ay
Tongue	leŋgwa	l-ay-nya-g-w-ah
ToDrink	beber	b-ay-b-ay-er

Appendix 4 - Word Lists by Language

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	konoðer	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	tremar	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	kaðar	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	jaðer	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	alðar	ah-l-th-ah-er
ToTurnIntransitive	tornar	t-oh-er-n-ah-er
ToTurnIntransitive-Gyrate	xicar	xha-e-er-ah-er
ToTurnIntransitive-AncestralClass3	birar	b-e-er-ah-er
ToTurnIntransitive-Torque	torðer	t-oh-er-th-ay-er
ToFall	kaer	k-ah-ay-er
ToFall-Tumbare	tumbar	t-u-m-b-ah-er
ToHold	tener	t-ay-n-ay-er
ToHold-Segurar	segurar	s-ay-g-u-er-ah-er
ToSqueeze	ekspremir	ay-k-s-p-er-ay-m-e-er
ToSqueeze-Serrere	serar	s-ay-r-ah-er
ToSqueeze-Serare	ðerar	th-ay-r-ah-er

Appendix 4 - Word Lists by Language

ToSqueeze-Appetorare	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	laçar	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	eçar	ay-ts-ah-er
ToThrow-Lanceare	lançar	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	deçar	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	flutwar	f-l-u-g-t-w-ah-er
ToFlow	fluir	f-l-u-e-er
ToFlow-Colare	kolar	k-oh-l-ah-er
ToFlow-Excurrere	eskurir	ay-s-k-u-r-e-er
ToFlow-Currere	korer	k-oh-r-ay-er
ToFreeze	elar	ay-l-ah-er
ToBurn-Cremare	kemar	k-ay-m-ah-er
ToBurn-Flammare	flamear	f-l-ah-m-ay-ah-er
ToBurn-Ardere	arder	ah-er-d-ay-er
ToBurn-Flagrare	flagrar	f-l-ah-g-er-ah-er
ToBurn-Incendere	ençender	ay-n-th-ay-n-d-ay-er
All-Totus	todo	t-oh-d-oh
Many	muço	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	anço	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	pesaço	p-ay-s-ah-dd-oh
Small-Pittinus	pekepo	p-ay-k-ay-VdPalatalNasal-oh
Short	korto	k-oh-er-t-oh
Short-Brevis	brebe	b-er-ay-b-ay
Narrow	angosto	ah-n-g-oh-s-t-oh
Narrow-Strictus	estreço	ay-s-t-er-ay-ts-oh

Appendix 4 - Word Lists by Language

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	wɔmo	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	sɔŋfo	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	biʃʃa	b-e-shh-shh-ah
Fish-Piskem	peʃʃe	p-ay-shh-shh-ay
Bird-Avicellum	utʃʃello	u-t-ts-eh-l-l-oh
Bird-Passerem	passero	p-ah-s-s-ay-r-oh
Louse	pidɔkkjo	p-e-d-euh-k-k-jg-oh
Snake	serpente	s-ay-r-p-ay-n-t-ay
Snake-Serpens	serpe	s-eh-r-p-ay

Appendix 4 - Word Lists by Language

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
Flower	fjo:re	f-jg-O-er-ay
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	okkjo	euh-k-k-jg-oh
Nose	na:so	n-A-s-oh
Nose-Nares	nariŋfe	n-ah-r-e-ts-ay
Mouth	bokka	b-oh-k-k-ah
Mouth-Gula	gola	j-oh-l-ah
Wing	ala	ah-l-ah
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
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
Fog-Fumata	fuma:ta	f-u-m-A-t-ah
Sky	ŋelo	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	ŋenere	ts-ay-n-ay-r-ay
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	konoŋfere	k-oh-n-oh-shh-shh-ay-r-ay
ToThink	kodʒitare	k-oh-VdPalatoAlveolarSibilant-e-t-ah-r-ay

Appendix 4 - Word Lists by Language

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	utffidere	u-t-ts-e-d-ay-er-ay
ToFight	pujñare	p-u-VdPalatalNasal-VdPalatalNasal-ah-r-ay
ToFight-Battuere	battere	b-ah-t-t-ay-r-ay
ToHunt-Captiare	kattfjare	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	taħħa: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	pundzere	p-u-n-VdPalatoAlveolarSibilant-ay-r-ay
ToStab-Iugulare	jugula:re	jg-u-j-u-l-A-r-ay
ToScratch	radere	r-ah-d-ay-r-ay
ToScratch-Rasare	rasare	r-ah-s-ah-r-ay
ToDig-Cavare	kavare	k-ah-v-ah-r-ay
ToDig-Excavare	skavare	s-k-ah-v-ah-r-ay
ToSwim	nwotare	n-w-oh-t-ah-er-ay
ToSwim-Navigare	navigare	n-ah-v-e-g-ah-r-ay
ToFly	volare	v-oh-l-ah-er-ay
ToFly-Exvolare	zvolare	zz-v-oh-l-ah-er-ay
ToWalk	kamminare	k-ah-m-m-e-n-ah-er-ay
ToWalk-Mergere	merdzere	m-eh-r-VdPalatoAlveolarSibilant-ay-r-ay
ToWalk-Ambitare	andare	ah-n-d-ah-r-ay
ToCome	venire	v-ay-n-e-er-ay
ToLieAsInABed	estendere	ay-s-t-eh-n-d-ay-r-ay
ToLieAsInABed-lacere	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-VAlveolarSibilantAffricate-ah-r-ay
ToTurnIntransitive	tornare	t-oh-r-n-ah-r-ay
ToTurnIntransitive-Gyrate	dʒirare	VdPalatoAlveolarSibilant-e-r-ah-er-ay
ToTurnIntransitive-AncestralClass3	virare	v-e-r-ah-er-ay
ToTurnIntransitive-Torquere	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	strindzere	s-t-r-e-n-VdPalatoAlveolarSibilant-ay-r-ay
ToRub	fregare	f-r-ay-j-ah-r-ay
ToRub-Frictare	frettare	f-r-ay-t-t-ah-r-ay
ToWash	lavare	l-ah-v-ah-r-ay
ToWipe	terdzere	t-eh-r-VdPalatoAlveolarSibilant-ay-r-ay
ToWipe-Exsucare	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

Appendix 4 - Word Lists by Language

ToPush	impindžere	e-m-p-e-n-VdPalatoAlveolarSibilant-ay-r-ay
ToThrow	džettare	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	džokare	VdPalatoAlveolarSibilant-oh-k-ah-r-ay
ToFloat	fluttuare	f-l-u-t-t-u-ah-r-ay
ToFloat-Flutare	flutare	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	dželare	VdPalatoAlveolarSibilant-ay-l-ah-r-ay
ToFreeze-Glaciare	gjaʃʃare	g-jg-ah-t-ts-jg-ah-r-ay
ToBurn-Brojan	bruʃare	b-r-u-ts-ah-r-ay
ToBurn-Cremare	kremare	k-r-ay-m-ah-r-ay
ToBurn-Flammare	fjammare	f-jg-ah-m-m-ah-r-ay
ToBurn-Ardere	ardere	ah-r-d-ay-r-ay
ToBurn-Flagrare	flagrare	f-l-ah-g-r-ah-r-ay
ToBurn-Incendere	inʃendjare	e-n-ts-eh-n-d-jg-ah-r-ay
ToBurn-AncestralClass8	ustolare	u-s-t-oh-l-ah-r-ay
All	opni	oh-VdPalatalNasal-VdPalatalNasal-e
All-Totus	tutto	t-u-t-t-oh
Many	molto	m-oh-l-t-oh
Many-Tantus	tanto	t-ah-n-t-oh
Some	alkuno	ah-l-k-u-n-oh
Few	poko	p-euh-k-oh
Other	altro	ah-l-t-r-oh
Big	mapno	m-ah-VdPalatalNasal-VdPalatalNasal-oh
Big-Grandem	grande	g-r-ah-n-d-ay
Long-Longum	lungo	l-u-n-g-oh
Long-Largum	largo	l-ah-r-g-oh
Wide	lato	l-ah-t-oh
Wide-Amplum	ampjo	ah-m-p-jg-oh
Thick	grasso	g-r-ah-s-s-oh
Thick-Spissum	spesso	s-p-ay-s-s-oh
Thick-Grossum	grosso	j-r-euh-s-s-oh
Heavy	greve	g-r-eh-v-ay
Heavy-Lurdus	lordo	l-oh-r-d-oh
Heavy-Pesant	pesante	p-ay-s-ah-n-t-ay
Small-Pittinus	pitʃino	p-e-t-ts-e-n-oh
Small-Pitulus	pikkolo	p-e-k-k-oh-l-oh
Short	korto	k-oh-r-t-oh
Short-Brevis	breve	b-r-eh-v-ay
Narrow	angusto	ah-n-g-u-s-t-oh
Narrow-Strictus	stretto	s-t-r-ay-t-t-oh
Thin	minuto	m-e-n-u-t-oh
Thin-Delicatus	delikato	d-ay-l-e-k-ah-t-oh
Thin-Subtilis	sottile	s-oh-t-t-e-l-ay
Dry	sekko	s-ay-k-k-oh
Right-Dextrem	destro	d-eh-s-t-r-oh

Appendix 4 - Word Lists by Language

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

Brazilian Portuguese

Cognate	IPA	Sounds
I	ew	ay-w
We	nɔjs	n-euh-jg-s
YouPlural	vɔjs	v-euh-jg-s
YouSingular	tu	t-u
YouSingular-VostramMercedem	vose	v-oh-s-ay
Woman	femeɾ	f-ay-m-ay-ahh
Woman-Mulier	muʎeɾ	m-u-yuh-ay-rr
Woman-Domina	doneɾ	d-oh-n-ahh
ManHumanBeing	omẽj	oh-m-nasal_diphthong_portuguese1
Child	ĩfẽʃi	een-f-ahn-ts-e
Child-Ninnus	nenẽj	n-ay-n-nasal_diphthong_portuguese1
Wife	ispoza	e-s-p-oh-zz-ah
Wife-Mulier	muʎeɾ	m-u-yuh-ay-rr
Husband	maridu	m-ah-er-e-d-u
Husband-Sponsus	ispozu	e-s-p-oh-zz-u
Mother	mẽj	m-nasal_diphthong_portuguese2
Father	paj	p-aj_diphthong
Father-Tata	tata	t-ah-t-ah
Animal-Bestia	biʃe	b-e-shh-ahh
Fish-Piskem	pejʃi	p-ej_diphthong-shh-e
Bird-Avem	avi	ah-v-e
Bird-Passerem	pasɛru	p-ah-s-ahh-er-u
Louse	pioʎu	p-e-oh-yuh-u
Snake	sɛɾpẽʃi	s-ay-rr-p-ehn-ts-e
Worm	veɾmi	v-ay-rr-m-e
Tree	akvori	ah-rr-v-oh-er-e
Forest	sewva	s-eh-w-v-ah
Stick	paw	p-ah-w
Fruit	frutɐ	f-er-u-t-ahh
Flower	floɾ	f-l-oh-rr

Appendix 4 - Word Lists by Language

Tail	kawðe	k-ah-w-d-ahh
Feather-Penna	penə	p-ay-n-ahh
Hair	pelu	p-ay-l-u
Hair-Capillus	kabelu	k-ah-b-ay-l-u
Head	kabese	k-ah-b-ay-s-ahh
Head-Testa	testə	t-eh-s-t-ahh
Ear	oreʌə	oh-er-ay-yuh-ahh
Eye	oʌu	oh-yuh-u
Nose-Nares	naris	n-ah-er-e-s
Mouth	boke	b-oh-k-ahh
Wing	a	ah
Sun	səw	s-euh-w
Moon	luə	l-u-ahh
Star	istrele	e-s-t-er-ay-l-ahh
Water	agwe	ah-g-w-ahh
Rain	ʃuvə	shh-u-v-ahh
River	flumi	f-l-u-m-e
River-Rivus	riw	rr-e-w
Lake	lagu	l-ah-g-u
Sea	maʁ	m-ah-rr
Salt	saw	s-ah-w
Earth	teʁə	t-ay-rr-ahh
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	səw	s-eh-w
Wind	vētu	v-ehn-t-u
Smoke	fumu	f-u-m-u
Fire-Focus	fogu	f-oh-g-u
Ash-Cinisia	sizɛʃ	s-een-zz-ahh-shh
Night	nojtɪ	n-oj_diphthong-t-eee
Day	diə	d-e-ahh
Day-Diurna	ʒɔʁna	gzah-euh-rr-n-ah
Year	enu	ahh-n-u
Name-Nomen	nomi	n-oh-m-e
Tongue	liɡwe	l-een-g-w-ahh
ToDrink	bebeʁ	b-ay-b-ay-rr
ToEat	kome	k-oh-m-ay
ToEat-Manducare	mẽʒaʁ	m-ahn-gzah-ah-rr
ToBite	moʁdeʁ	m-oh-rr-d-ay-rr
ToBite-Morsicare	musəga	m-u-s-aah-g-ah
ToSuck	sugaʁ	s-u-g-ah-rr
ToSpit	kuspɪʁ	k-u-s-p-e-rr
ToKnow-Sapere	sabeʁ	s-ah-b-ay-rr
ToKnow-Cognoscere	koʁneseʁ	k-oh-VdPalatalNasal-ay-s-ay-rr
ToThink	kuʒitaʁ	k-u-gzah-e-t-ah-rr
ToThink-Pensare	pēsəʁ	p-ehn-s-ah-rr
ToFear	temeʁ	t-ay-m-ay-rr
ToFear-Tremere	tremeʁ	t-er-ay-m-ay-rr
ToSleep	doʁmiʁ	d-oh-rr-m-e-rr
ToLive	viveʁ	v-e-v-ay-rr
ToDie	moʁeʁ	m-oh-rr-ay-rr
ToKill-Mactare	mataʁ	m-ah-t-ah-rr
ToFight-Battuere	bateʁ	b-ah-t-ay-rr
ToHunt-Captiare	kasəʁ	k-ah-s-ah-rr
ToHit	puʃaʁ	p-u-shh-ah-rr
ToCut	segaʁ	s-ay-g-ah-rr

Appendix 4 - Word Lists by Language

ToCut-Curtare	kortak	k-oh-rr-t-ah-rr
ToCut-Taliare	talak	t-ah-yuh-ah-rr
ToSplit	dʒividʒik	VdPalatoAlveolarSibilant-e-v-e-VdPalatoAlveolarSibilant-e-rr
ToSplit-Findere	fēdek	f-ehn-d-ay-rr
ToSplit-Partire	paʃʃik	p-ah-rr-ts-e-rr
ToSplit-Separare	separak	s-ay-p-ah-er-ah-rr
ToStab	pūʒik	p-ooo-gzah-e-rr
ToScratch	ʁak	rr-ah-ay-rr
ToScratch-Rasare	ʁazak	rr-ah-zz-ah-rr
ToScratch-Rasicare	ʁaʃʃak	rr-ah-shh-k-ah-rr
ToScratch-Coctiare	kosaʃ	k-oh-s-ah-VdRetroflexApproximant
ToDig-Cavare	kəvak	k-ahh-v-ah-rr
ToDig-Excavare	ʃʃkəvak	e-shh-k-ahh-v-ah-rr
ToSwim	nadak	n-ah-d-ah-rr
ToSwim-Navigare	naviʏak	n-ah-v-eee-juh-ah-rr
ToFly	voak	v-oh-ah-rr
ToWalk	kəmiʏak	k-ahh-m-e-VdPalatalNasal-ah-rr
ToWalk-Ambitare	ēdak	ahn-d-ah-rr
ToCome	vik	v-e-rr
ToLieAsInABed	istēdek	e-s-t-ehn-d-ay-rr
ToLieAsInABed-lacere	ʒezek	gzah-ahh-zz-ay-rr
ToSit	sək	s-ay-rr
ToSit-Sedentare	sētar	s-ehn-t-ah-er
ToStand	ʃʃtar	eee-shh-t-ah-er
ToStand-Levare	levak	l-ay-v-ah-rr
ToStand-Altiare	aʃsa	ah-ssha-s-ah
ToTurnIntransitive	toʏnak	t-oh-rr-n-ah-rr
ToTurnIntransitive-Gyrare	ʒirak	gzah-e-er-ah-er
ToTurnIntransitive-AncestralClass3	virak	v-e-er-ah-er
ToTurnIntransitive-Torquere	turser	t-u-r-s-ay-r
ToFall	kəir	k-ahh-e-er
ToFall-Tumbare	tōbak	t-on-b-ah-rr
ToHold	tek	t-ay-rr
ToHold-Segurar	sigurak	s-eee-g-u-er-ah-rr
ToSqueeze	ʃʃprəmek	e-shh-p-r-aah-m-ay-rr
ToSqueeze-Serrere	səʁa	s-ay-rr-ah
ToSqueeze-Serare	sirak	s-eee-rr-ah-er
ToSqueeze-Appetorare	əpiʁtar	ahh-p-eee-er-t-ah-er
ToSqueeze-Stringere	əʃʁiʒir	aah-shh-t-r-eeen-gzah-e-r
ToRub-Exfricare	ʃʃfrigar	eee-shh-f-er-eee-g-ah-er
ToWash	lɛvar	l-ahh-v-ah-er
ToWipe-Exsucare	ɛʃʃugar	ehn-shh-u-g-ah-er
ToWipe-Limpidare	liʁar	l-eeen-p-ah-er
ToPull	ʃʃira	ts-e-er-ah
ToPull-Pulsare	puʃar	p-u-shh-ah-er
ToPull-Trahare	traze	t-er-ah-zz-ay
ToThrow	ʒejtar	gzah-ej_diphthong-t-ah-er
ToThrow-Lanceare	ləsa	l-ahn-s-ah
ToTie-Aptare	ɛtar	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	ʒogak	gzah-oh-g-ah-rr
ToFloat	flutuak	f-l-u-t-u-ah-rr
ToFlow	flwiʃ	f-l-w-e-rr

Appendix 4 - Word Lists by Language

ToFlow-Colare	koak	k-oh-ah-rr
ToFlow-Excurrere	ijkoek	e-shh-k-oh-rr-ay-rr
ToFlow-Currere	koek	k-oh-rr-ay-rr
ToFreeze	zilar	gzah-eee-l-ah-er
ToBurn-Cremare	kejmare	k-diphthong_portuguese-m-ah-er-ay
ToBurn-Ardere	akdek	ah-rr-d-ay-rr
ToBurn-Flagrare	flagkak	f-l-ah-j-rr-ah-rr
ToBurn-Incendere	isendziar	een-s-ay-n-VdPalatoAlveolarSibilant-NearCloseFrontUnrounded-ah-er
All-Totus	todu	t-oh-d-u
Many	mũjtu	m-ooo-jn-t-u
Many-Tantus	tetu	t-ahn-t-u
Some	awgũ	ah-w-g-ooo
Few	powku	p-oh-w-k-u
Other	owtru	oh-w-t-er-u
Other-Alius	aw	ah-w
Big-Grandem	grẽdʒi	g-er-ahn-VdPalatoAlveolarSibilant-e
Long-Longum	lõgu	l-on-g-u
Long-Largum	laɣgu	l-ah-rr-g-u
Wide	latu	l-ah-t-u
Wide-Amplum	ẽʃu	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	kurtu	k-u-rr-t-u
Short-Brevis	brevi	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	sufiɥw	s-u-ts-e-w
Dry	seku	s-ay-k-u
Right-Dextrem	destru	d-eh-s-t-er-u
Right-Directus	direjtɐ	d-e-er-diphthong_portuguese-t-ahh
Red	koʃu	rr-oh-shh-NearCloseBackRounded
Red-Vermiculus	veɣmeɫu	v-ay-rr-m-ay-yuh-u
Red-Rubeus	rubeo	r-u-b-ay-oh
Green	verdi	v-ay-er-d-eee
Yellow-Amarellus	ẽmareɫu	ahh-m-ah-er-eh-l-u
White	awvu	ah-w-v-u
One	ũ	ooo
Two-Duos	dojs	d-oj_diphthong-s
Two-Duas	dues	d-u-ahh-s
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	kẽj	k-nasal_diphthong_portuguese1
What	ki	k-e
When-Quando	kwẽdu	k-w-ahn-d-u
How-Quomodo	komu	k-oh-m-u
Not	nẽw	n-au_diphthong_nasal
Not-Nec	nẽj	n-nasal_diphthong_portuguese1

Appendix 4 - Word Lists by Language

And-Et	i	e
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Portuguese

Cognate	IPA	Sounds
I	ew	ay-w
We	nəʃ	n-euh-shh
YouPlural	voʃ	v-oh-shh
YouSingular	tu	t-u
YouSingular-VostramMercedem	vɔse	v-euh-s-ay
Woman	femjə	f-ay-m-jg-ahh
Woman-Mulier	mulɐr	m-u-yuh-ay-er
Woman-Domina	donə	d-oh-n-ahh
ManHumanBeing	ɔmɛj	euh-m-nasal_diphthong_portuguese1
Child	ifɛti	een-f-ahn-t-eee
Child-Ninnus	nenɛj	n-ay-n-nasal_diphthong_portuguese1
Wife	ifpozə	eee-shh-p-oh-zz-ahh
Wife-Mulier	mulɐr	m-u-yuh-ay-er
Husband	mɛriðu	m-ahh-er-e-dd-u
Husband-Sponsus	ifpozu	eee-shh-p-oh-zz-u
Mother	mɛj	m-nasal_diphthong_portuguese2
Father	paj	p-aj_diphthong
Father-Tata	tata	t-ah-t-ah
Animal-Bestia	bifɛ	b-e-shh-ahh
Fish-Piskem	pɛjʃi	p-diphthong_portuguese-shh-eee
Bird-Avem	avi	ah-v-eee
Bird-Passerem	pasɛru	p-ah-s-ahh-er-u
Louse	pioʎu	p-e-oh-yuh-u
Snake	sɪrpɛti	s-eee-er-p-ehn-t-eee
Worm	vermi	v-ay-er-m-eee
Tree	arvuri	ah-er-v-u-er-eee
Forest	sɛlvə	s-eh-ssha-v-ahh
Stick	paw	p-ah-w
Fruit	frutə	f-er-u-t-ahh
Flower	flor	f-l-oh-er
Tail	kawdɛ	k-ah-w-d-ahh
Feather-Penna	pɛnə	p-ay-n-ahh
Hair	pilu	p-eee-l-u
Hair-Capillus	kɛβelu	k-ahh-bb-ay-l-u
Head	kɛβɛsɛ	k-ahh-bb-ay-s-ahh
Head-Testa	tɛʃtə	t-eh-shh-t-ahh
Ear	orɛjʎə	oh-er-diphthong_portuguese-yuh-ahh
Eye	oʎu	oh-yuh-u
Nose-Nares	nɛɾiʃ	n-ahh-er-e-shh
Mouth	bokɛ	b-oh-k-ahh
Wing	a	ah
Sun	sɔʎ	s-euh-ssha
Moon	luə	l-u-ahh
Star	ɨʃtrɛʎ	eee-shh-t-er-ay-l-ahh
Water	agwɛ	ah-g-w-ahh
Rain	ʃuvɛ	shh-u-v-ahh
River	flumi	f-l-u-m-eee
River-Rivus	ɾiu	rr-e-u
Lake	layu	l-ah-juh-u
Sea	mar	m-ah-er
Salt	sal	s-ah-l

Appendix 4 - Word Lists by Language

Earth	tɛkɐ	t-eh-rr-ahh
Fog	kɛliʒɐ̃	k-ahh-l-e-gzah-nasal_diphthong_portuguese2
Fog-Nebula	nɛvwɐ	n-eh-v-w-ahh
Fog-Tenebras	tɛvɛʃ	t-er-eh-v-ahh-shh
Fog-Fumata	fumasɐ	f-u-m-ah-s-ahh
Sky	sɛw	s-eh-w
Wind	vɛtu	v-ehn-t-u
Smoke	fumu	f-u-m-u
Fire-Focus	foɣu	f-oh-juh-u
Ash-Cinisia	sizɛʃ	s-eeen-zz-ahh-shh
Night	nojti	n-oj_diphthong-t-eee
Day	diɐ	d-e-ahh
Day-Diurna	ʒɔkna	gzah-euh-rr-n-ah
Year	ɛnu	ahh-n-u
Name-Nomen	nomi	n-oh-m-eee
Tongue	liɣwɐ	l-eeen-g-w-ahh
ToDrink	biʃɐr	b-eee-bb-ay-er
ToEat	kumer	k-u-m-ay-er
ToEat-Manducare	mɛʒar	m-ahn-gzah-ah-er
ToBite	murðɐr	m-u-er-dd-ay-er
ToBite-Morsicare	musɔgar	m-u-s-aah-g-ah-r
ToSuck	sugar	s-u-g-ah-er
ToSpit	kuʃpiɐr	k-u-shh-p-e-er
ToKnow-Sapere	sɛbɐr	s-ahh-b-ay-er
ToKnow-Cognoscere	kuniser	k-u-VdPalatalNasal-eee-s-ay-er
ToThink	kuʒitar	k-u-gzah-e-t-ah-er
ToThink-Pensare	pɛsar	p-ehn-s-ah-er
ToFear	timɐr	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	muɛɐr	m-u-rr-ay-er
ToKill-Mactare	metar	m-ahh-t-ah-er
ToFight-Battuere	bɛtɐr	b-ahh-t-ay-er
ToHunt-Captiare	kɛsar	k-ahh-s-ah-er
ToHit	puʃar	p-u-shh-ah-er
ToCut	siɣar	s-eee-juh-ah-er
ToCut-Curtare	kurtar	k-u-er-t-ah-er
ToCut-Taliare	tɛlar	t-ahh-yuh-ah-er
ToSplit	dividiɐr	d-e-v-e-dd-e-er
ToSplit-Findere	fɛdɐr	f-ehn-d-ay-er
ToSplit-Partire	pɛrtir	p-ahh-er-t-e-er
ToSplit-Separare	sipɛrar	s-eee-p-ahh-er-ah-er
ToStab	pũʒir	p-ooo-gzah-e-er
ToScratch	kɛɐr	rr-ahh-ay-er
ToScratch-Rasare	kɛzar	rr-ahh-zz-ah-er
ToScratch-Rasicare	kɛʃkar	rr-ahh-shh-k-ah-er
ToScratch-Coctiare	kusar	k-u-s-ah-er
ToDig-Cavare	kɛvar	k-ahh-v-ah-er
ToDig-Excavare	ifkɛvar	e-shh-k-ahh-v-ah-er
ToSwim	nɛðar	n-ahh-dd-ah-er
ToSwim-Navigare	nɛviɣar	n-ahh-v-eee-juh-ah-er
ToFly	vwar	v-w-ah-er
ToWalk	kɛminɣar	k-ahh-m-e-VdPalatalNasal-ah-er
ToWalk-Ambitare	ɛdar	ahn-d-ah-er
ToCome	vir	v-e-er
ToLieAsInABed	iftɛdɐr	e-shh-t-ehn-d-ay-er

Appendix 4 - Word Lists by Language

ToLieAsInABed-lacere	zəzer	gzah-ahh-zz-ay-er
ToSit	ser	s-ay-er
ToSit-Sedentare	sətar	s-ehn-t-ah-er
ToStand	iftar	eee-shh-t-ah-er
ToStand-Levare	livar	l-eee-v-ah-er
ToStand-Altiare	alsar	ah-ssha-s-ah-er
ToTurnIntransitive	turnar	t-u-er-n-ah-er
ToTurnIntransitive-Gyrare	zirar	gzah-e-er-ah-er
ToTurnIntransitive-AncestralClass3	zirar	gzah-e-er-ah-er
ToTurnIntransitive-Torquere	turser	t-u-r-s-ay-r
ToFall	kəir	k-ahh-e-er
ToFall-Tumbare	tōbar	t-on-b-ah-er
ToHold	ter	t-ay-er
ToHold-Segurar	siɣurar	s-eee-juh-u-er-ah-er
ToSqueeze	ifprəmer	e-shh-p-r-aah-m-ay-r
ToSqueeze-Serrere	sərar	s-aah-VIUvularTrill-ah-er
ToSqueeze-Serare	sɪrar	s-eee-rr-ah-er
ToSqueeze-Appetorare	əpirtar	ahh-p-eee-er-t-ah-er
ToSqueeze-Stringere	əʃtrɪʒir	aah-shh-t-r-eeen-gzah-e-r
ToRub-Exfricare	iffriyar	eee-shh-f-er-eee-juh-ah-er
ToWash	levar	l-ahh-v-ah-er
ToWipe-Exsucare	əʃuɣar	ehn-shh-u-juh-ah-er
ToWipe-Limpidare	lipar	l-eeen-p-ah-er
ToPull	tirar	t-e-er-ah-er
ToPull-Pulsare	puɟar	p-u-shh-ah-er
ToPull-Trahere	trezer	t-er-ahh-zz-ay-er
ToThrow	zejtar	gzah-ej_diphthong-t-ah-er
ToThrow-Lanceare	ləsar	l-ahn-s-ah-er
ToTie-Aptare	etar	ahh-t-ah-er
ToSew	kuzer	k-u-zz-ay-er
ToCount	kōtar	k-on-t-ah-er
ToCount-Enumerare	enumerar	ay-n-u-m-ay-er-ah-er
ToSay	dizer	d-e-zz-ay-er
ToSing-AncestralClass	kətar	k-ahn-t-ah-er
ToPlay-Jiocare	zuyar	gzah-u-juh-ah-er
ToFloat	flutuar	f-l-u-t-u-ah-er
ToFlow	flwir	f-l-w-e-er
ToFlow-Colare	kuar	k-u-ah-er
ToFlow-Excurrere	ifkurer	e-shh-k-u-VIUvularTrill-ay-er
ToFlow-Currere	kurer	k-u-rr-ay-er
ToFreeze	zilar	gzah-eee-l-ah-er
ToBurn-Cremare	kejmaɤe	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	isēdjar	een-s-ehn-d-jg-ah-er
All-Totus	toðu	t-oh-dd-u
Many	mũjtu	m-ooo-jn-t-u
Many-Tantus	tətu	t-ahn-t-u
Some	atgũ	ah-ssha-g-ooo
Few	powku	p-oh-w-k-u
Other	owtru	oh-w-t-er-u
Other-Alius	aɭ	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	əʃu	ahn-shh-u

Appendix 4 - Word Lists by Language

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	brævi	b-er-eh-v-eee
Narrow-Strictus	ɨʃtrɛjtu	eee-shh-t-er-diphthong_portuguese-t-u
Thin	miuðu	m-e-u-dd-u
Thin-Delicatus	dɛʎyaðu	d-eh-ssha-juh-ah-dd-u
Thin-Subtilis	suʃtiw	s-u-ts-e-w
Dry	seku	s-ay-k-u
Right-Dextrem	dɛʃtru	d-eh-shh-t-er-u
Right-Directus	dirɛjtɐ	d-e-r-diphthong_portuguese-t-ahh
Red	ʁoʃu	rr-oh-shh-u
Red-Vermiculus	viɾmɛjʎu	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	ɐmɛɾɛlu	ahh-m-ahh-er-eh-l-u
White	alvu	ah-l-v-u
One	ũ	ooo
Two-Duos	dojʃ	d-oj_diphthong-shh
Two-Duas	duɛʃ	d-u-ahh-shh
Three	trɛʃ	t-er-ay-shh
Four	kwatru	k-w-ah-t-er-u
Five	siku	s-een-k-u
Here	ɐki	ahh-k-e
There	la	l-ah
There-Adlbi	ɐi	ahh-e
Who-Quem	kɛʝ	k-nasal_diphthong_portuguese2
What	ki	k-eee
When-Quando	kwɛɖu	k-w-ahn-d-u
How-Quomodo	komu	k-oh-m-u
Not	nɛw̃	n-au_diphthong_nasal
Not-Nec	nɛʝ	n-nasal_diphthong_portuguese2
And-Et	i	e

Catalan

Cognate	IPA	Sounds
I	ʒo	gzah-euh
YouPlural	bus	b-u-s
YouSingular	tu	t-u
YouSingular-VostramMercedem	voste	v-oh-s-t-ay
Woman	fembra	f-ay-m-b-er-ah
Woman-Mulier	muʎe	m-u-yuh-ay
Woman-Domina	dɔnə	d-euh-n-aah
ManHumanBeing	ɔmə	euh-m-aah
Child-Ninnus	nen	n-ay-n
Wife	əspɔzə	aah-s-p-euh-zz-aah
Wife-Mulier	muʎe	m-u-yuh-ay
Husband	marit	m-ah-er-e-t
Husband-Sponsus	əspɔs	aah-s-p-euh-s
Mother	marə	m-ah-er-aah

Appendix 4 - Word Lists by Language

Father	parə	p-ah-er-aah
Fish-Piskem	pef	p-ay-shh
Bird-Avem	aw	ah-w
Bird-Avicellum	useɿ	u-s-ay-yuh
Louse	poɿ	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	pəl	p-ah-l
Fruit	frujt	f-er-u-jg-t
Flower	flə	f-l-euh
Tail	kua	k-u-ah
Feather	plomə	p-l-oh-m-aah
Feather-Penna	pɛpə	p-eh-VdPalatalNasal-aah
Hair	pəl	p-eh-l
Hair-Capillus	kəbɛɿ	k-aah-b-eh-yuh
Head	kap	k-ah-p
Head-Testa	testə	t-ay-s-t-aah
Ear	urɛlə	u-er-eh-yuh-aah
Nose	nas	n-ah-s
Nose-Nares	na:ɾɪs	n-A-r-NearCloseFrontUnrounded-s
Mouth	bokə	b-oh-k-aah
Mouth-Gula	golə	j-oh-l-aah
Wing	alə	ah-l-aah
Sun	səl	s-euh-l
Moon	ɿunə	yuh-u-n-aah
Star	əstɛl	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	ɿak	yuh-ah-k
Sea	mar	m-ah-r
Salt	sal	s-ah-l
Earth	tɛrə	t-eh-r-aah
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	zɛl	gzah-eh-ssha
Smoke	fum	f-u-m
Fire-Focus	fɔk	f-euh-k
Ash	sɛndrə	s-eh-n-d-r-aah
Night	nit	n-e-t
Day	diə	d-e-aah
Day-Diurnus	zorn	gzah-oh-er-n
Year	aj	ah-VdPalatalNasal
Name-Nomen	nɔm	n-euh-m
ToDrink	bɛwrə	b-eh-w-er-aah
ToEat-Manducare	məɾza	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	kunɛfə	k-u-n-eh-shh-aah
ToThink	kujda	k-u-jg-d-ah
ToThink-Pensare	pənsa	p-aah-n-s-ah

Appendix 4 - Word Lists by Language

ToFear	temə	t-ay-m-aah
ToSleep	durmi	d-u-r-m-e
ToLive	biwrə	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	pupa	p-u-VdPalatalNasal-ah
ToFight-Battuere	batrə	b-ah-t-er-aah
ToHunt-Captiare	kəsa	k-aah-s-ah
ToCut	səya	s-aah-juh-ah
ToCut-Taliare	təla	t-aah-yuh-ah
ToSplit	dibidi	d-e-b-e-d-e
ToSplit-Findere	fəndrə	f-eh-n-d-er-aah
ToSplit-Partire	pərti	p-aah-r-t-e
ToSplit-Separare	səpəra	s-aah-p-aah-er-ah
ToStab	pupi	p-u-VdPalatalNasal-e
ToScratch	rawrə	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	əstəndrə	aah-s-t-ay-n-d-er-aah
ToLieAsInABed-lacere	zawrə	gzah-ah-w-er-aah
ToStand	əsta	aah-s-t-ah
ToStand-Levare	ləba	yuh-aah-b-ah
ToStand-Altiare	əlsa	aah-l-s-ah
ToTurnIntransitive	turna	t-u-r-n-ah
ToTurnIntransitive-Gyrare	zira	gzah-e-er-ah
ToTurnIntransitive-AncestralClass3	bira	b-e-er-ah
ToTurnIntransitive-Torquere	tərsə	t-euh-r-s-aah
ToFall	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	əstreɲə	aah-s-t-er-eh-VdPalatalNasal-aah
ToRub	frəga	f-er-aah-g-ah
ToRub-Frictiare	frəsa	f-er-aah-s-ah
ToWash	ləba	yuh-aah-b-ah
ToWipe-Extergere	əstərzi	aah-s-t-aah-r-gzah-e
ToWipe-Exsucare	əfuga	aah-shh-u-g-ah
ToPull	tira	t-e-er-ah
ToPull-Trahere	təwrə	t-er-eh-w-er-aah
ToPush	əmpɛɲə	aah-m-p-eh-VdPalatalNasal-aah
ToThrow	xita	xha-e-t-ah
ToThrow-Lanceare	lənsa	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

Appendix 4 - Word Lists by Language

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	æskorə	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	əlgʊ	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	ʎoŋ	yuh-oh-nya
Long-Largum	ʎark	yuh-ah-er-k
Wide-Amplum	amplə	ah-m-p-l-aah
Thick	gras	g-er-ah-s
Thick-Spissum	əspəs	aah-s-p-eh-s
Thick-Grossum	grəs	g-er-euh-s
Heavy	grew	g-er-ay-w
Heavy-Pesant	pəzat	p-aah-zz-ah-t
Small	pətit	p-aah-t-e-t
Short	kurt	k-u-er-t
Short-Brevis	brew	b-er-ay-w
Narrow-Strictus	əstrət	aah-s-t-er-eh-t
Thin	mənʊt	m-aah-n-u-t
Thin-Delicatus	dəlikat	d-aah-l-e-k-ah-t
Thin-Subtilis	suptil	s-u-p-t-e-l
Dry	sek	s-eh-k
Right-Dextrem	destrə	d-ay-s-t-er-aah
Right-Directus	dɹət	d-er-eh-t
Red	ros	r-oh-s
Red-Vermiculus	bərmɛʎ	b-aah-r-m-eh-yuh
Red-Rubeus	rudʒe	r-u-VdPalatoAlveolarSibilant-ay
Green	vert	v-eh-er-t
Yellow-Croceus	grək	j-er-euh-k
White	alb	ah-l-b
One	un	u-n
Two-Duos	dos	d-oh-s
Three	trəs	t-r-eh-s
Four	kwatrə	k-w-ah-t-er-aah
Five	siŋk	s-e-nya-k
Here	aki	ah-k-e
There	əʎa	aah-yuh-ah
Who-Qui	ki	k-e
What	ke	k-eh
When-Quando	kwan	k-w-ah-n
How-Quomodo	kəm	k-euh-m
Not	no	n-oh
Not-Nec	ni	n-e
And-Et	i	e

Appendix 4 - Word Lists by Language

Walloon

Cognate	IPA	Sounds
I	dʒɪ	VdPalatoAlveolarSibilant -NearCloseFrontUnrounded
We	no	n-oh
YouPlural	vos	v-oh-s
YouSingular	ty	t-eeh
Woman	fæm	f-OpenMidNearFrontRounded-m
Woman-Domina	dæm	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	pɛhõ	p-eh-h-on
Bird-Avicellum	u:hɛ:	U-h-Eh
Louse	pju	p-jg-u
Snake	sʃɛɾpɛ̃	s-jg-eh-rr-p-ehn
Worm	vʃɛr	v-jg-eh-VIUvularTrill
Tree	o:b	O-b
Fruit	fry	f-VIUvularTrill-eeh
Flower	flø:ʁ	f-l-o-rr
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
Ear	ɔraj	euh-VIUvularTrill-aj_diphthong
Eye	u:j	U-jg
Nose	ne	n-ay
Mouth	bɔk	b-euh-k
Mouth-Gula	gø:j	g-o-jg
Wing	el	ay-l
Sun	sɔlɔ	s-euh-l-euh
Moon	lɔn	l-uu-n
Star	stø:l	s-t-o-l
Water	ɛ:w	Eh-w
Rain	plu:ʁ	p-l-U-rr
River-Riparia	rivi:ʁ	r-e-v-E-rr
Lake	lak	l-ah-k
Sea	meʁ	m-ay-rr
Salt	se	s-ay
Earth	tɛ:ʁ	t-Eh-rr
Sky	si:ʁ	s-E-rr
Wind	vɛ̃	v-ehn
Fire-Focus	fø:	f-o
Ash	sɛ̃:d	s-LongNasalE-d
Night	nyt	n-eeh-t
Day	dʒu:	VdPalatoAlveolarSibilant-U
Day-Diurnus	dʒu:	VdPalatoAlveolarSibilant-U
Year	ɑ̃	NasalA
Name-Nomen	nõ	n-on
Tongue	lœu	l-eu_nasalized_diphthong
ToDrink	bø:ʁ	b-o-rr
ToEat-Manducare	mani:	m-ah-VdPalatalNasal-E
ToSuck	sysi:	s-eeh-s-E
ToKnow-Sapere	savø:r	s-ah-v-o-VIUvularTrill

Appendix 4 - Word Lists by Language

ToKnow-Cognoscere	kinəh	k-e-n-euh-h
ToThink-Pensare	pēse	p-chnn-s-ay
ToSleep	dwaxmi	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	ʃesi:	ts-eh-s-E
ToCut-Taliare	tɛji:	t-eh-jg-E
ToSplit-Findere	fet	f-chnn-t
ToSplit-Partire	pɔ:rti	p-LongOpenMidBackRounded-VIUvularTrill-t-e
ToDig-Cavare	çɑ:vle	sh-aay-v-l-ay
ToSwim-Navigare	nɛdʒi:	n-eh-VdPalatoAlveolarSibilant-E
ToFly	vole	v-euh-l-ay
ToWalk	ʃimine	ts-e-m-e-n-ay
ToWalk-Marcher	ma:rtʃi:	m-A-VIUvularTrill-ts-E
ToCome	vini	v-e-n-e
ToLieAsInABed-lacere	dʒere	VdPalatoAlveolarSibilant-ay-r-ay
ToStand	es	eh-s
ToStand-Levare	love	l-aah-v-ay
ToStand-Altiare	hɔ:si:	h-LongOpenMidBackRounded-s-E
ToTurnIntransitive	tu:rne	t-U-r-n-ay
ToTurnIntransitive-AncestralClass3	viʁe	v-e-rr-ay
ToFall	ʃe:r	ts-Eh-VIUvularTrill
ToFall-Tumbare	tume	t-u-m-ay
ToHold	tini	t-e-n-e
ToSqueeze-Serare	sere	s-eh-VIUvularTrill-ay
ToSqueeze-Stringere	stringe	s-t-r-e-n-j-ay
ToRub	froj	f-r-oj_diphthong
ToRub-Frictare	fʁote	f-rr-oh-t-ay
ToWash	lave	l-ah-v-ay
ToWipe-Exsucare	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	lɔji:	l-euh-jg-E
ToSew	kø:z	k-o-zz
ToCount	kôte	k-on-t-ay
ToSay	di:ʁ	d-E-rr
ToSing-AncestralClass	ʃâte	ts-NasalA-t-ay
ToPlay-Jiocare	dʒuwe	VdPalatoAlveolarSibilant-u-w-ay
ToFlow-Colare	kole	k-euh-l-ay
ToFreeze	dʒale	VdPalatoAlveolarSibilant-ah-l-ay
ToBurn-Brojan	bʁu:le	b-rr-U-l-ay
All-Totus	tə	t-euh
Few	pō	p-on
Other	ōt	on-t
Big-Grandem	gʁã	j-rr-NasalA
Long-Longum	lō	l-on
Thick-Spissum	spe	s-p-eh
Heavy	grav	j-r-ah-v
Small	piti	p-e-t-e
Short	ku:ʁ	k-U-rr
Short-Brevis	bʁef	b-rr-ay-f
Narrow-Strictus	stʁø:	s-t-rr-o
Thin	minu	m-e-n-u
Thin-Subtilis	su:ti	s-U-t-e

Appendix 4 - Word Lists by Language

Dry	seɫ	s-eh-ts
Right-Directus	drø:t	d-r-o-t
Red-Rubeus	røɫ	r-euh-ts
Green	veɣ	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	kwæ:	k-w-Eh
When-Quando	kwand	k-w-ah-n-d
How-Quomodo	kômê	k-euh-m-ehnn
Not-Nec	nê	n-ehn
And-Et	ε	eh

Friulian

Cognate	IPA	Sounds
I	jo	jg-oh
We	no:	n-O
YouPlural	vo:	v-O
YouSingular	tu	t-u
Woman	femine	f-eh-m-e-n-eh
Woman-Mulier	mui:r	m-u-E-r
Woman-Domina	dône	d-euh-n-ay
ManHumanBeing	om	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	pēs	p-eh-s
Bird-Avicellum	uʃʃel	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
Flower	flo:r	f-l-O-r
Tail	kodē	k-euh-d-eh
Feather	plumē	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	tēste	t-eh-s-t-ay
Ear	orele	oh-r-ay-l-ay
Eye	voli	v-oh-l-e
Nose	na:s	n-A-s

Appendix 4 - Word Lists by Language

Mouth	bœœ	b-euh-tya-eh
Mouth-Gula	gole	j-euh-l-ay
Wing	ale	ah-l-ay
Sun-Soliculus	soreli	s-oh-r-ay-l-e
Moon	lune	l-u-n-ay
Star	stele	s-t-eh-l-ay
Water	age	ah-j-ay
Rain	ploje	p-l-oh-jg-ay
River	flum	f-l-u-m
Lake	la:t	l-A-t
Sea	ma:r	m-A-r
Salt	sa:l	s-A-l
Earth	tjere	t-jg-eh-r-ay
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	ʃʒinize	ts-e-n-e-zz-eh
Night	not	VdPalatalNasal-euh-t
Day	di	d-e
Day-Diurnata	ɖornade	VdPalatoAlveolarAffricate-oh-r-n-ah-d-ay
Year	aŋ	ah-nya
Name-Nomen	noŋ	n-euh-nya
Tongue	'lengɛ	l-eh-n-j-eh
ToDrink	bevi	b-ay-v-e
ToEat-Manducare	maŋja:	m-ah-nya-VdPalatalStop-A
ToBite	mwardi	m-w-ah-r-d-e
ToSuck	cuca:	tya-u-tya-A
ToSpit-Sputare	spuda:	s-p-u-d-A
ToKnow-Sapere	save:	s-ah-v-ai
ToKnow-Cognoscere	koɖosi	k-oh-VdPalatalNasal-oh-s-e
ToThink-Pensare	peŋsa:	p-ay-nya-s-A
ToFear	temi	t-ay-m-e
ToFear-Tremere	trima:	t-r-e-m-A
ToSleep	durmi:	d-u-r-m-E
ToLive	vivi	v-e-v-e
ToDie	muri:	m-u-r-E
ToKill-Mactare	maʃa:	m-ah-ts-A
ToFight-Battuere	bati	b-ah-t-e
ToHunt-Captiare	caʃa:	tya-ah-ts-A
ToHit	pulsa:	p-u-l-s-A
ToCut	sea:	s-ay-A
ToCut-Excurtare	skurta:	s-k-u-r-t-A
ToCut-Taliare	taja:	t-ah-jg-A
ToSplit	dividi	d-e-v-e-d-e
ToSplit-Partire	parti:	p-ah-r-t-E
ToSplit-Separare	separa:	s-ay-p-ah-r-A
ToScratch	rada:	r-ah-d-A
ToScratch-Rasare	rasa:	r-ah-s-A
ToDig-Cavare	java:	VdPalatalStop-ah-v-A
ToDig-Excavare	zjava:	zz-VdPalatalStop-ah-v-A
ToSwim	nada:	n-ah-d-A
ToSwim-Navigare	naviga:	n-ah-v-e-j-A
ToFly-Exvolare	zvola:	zz-v-oh-l-A
ToWalk	camina:	tya-ah-m-e-n-A
ToCome	vipi:	v-e-VdPalatalNasal-E

Appendix 4 - Word Lists by Language

ToLieAsInABed-lacere	jesi	jg-ay-s-e
ToSit-Sedentare	senta:	s-ay-n-t-A
ToStand	sta:	s-t-A
ToStand-Levare	leva:	l-ay-v-A
ToStand-Altiare	altʃa:	ah-l-t-shh-A
ToTurnIntransitive	torna:	t-oh-r-n-A
ToTurnIntransitive-Gyrate	dʒira:	VdPalatoAlveolarSibilant-e-r-A
ToTurnIntransitive-AncestralClass3	dʒira:	VdPalatoAlveolarSibilant-e-r-A
ToFall	fʃjade	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	mole	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	grēvi	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	'fʃɪŋk	ts-e-nya-k
Here	aki	ah-k-e
Who-Qui	kwi	k-w-e

Appendix 4 - Word Lists by Language

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

Romanian

Cognate	IPA	Sounds
I	jew	jg-ay-w
We	noj	n-oj_diphthong
YouPlural	voj	v-oj_diphthong
YouSingular	tu	t-u
Woman	femeje	f-ay-m-ay-jg-ay
Woman-Mulier	mujere	m-u-jg-ay-r-ay
Woman-Domina	doamna	d-midback_diphthong_romanian-m-n-aah
ManHumanBeing	om	oh-m
Wife-Mulier	mujere	m-u-jg-ay-r-ay
Husband	mărit	m-aah-r-e-t
Husband-Socius	sots	s-oh-VIAIveolarSibilantAffricate
Father-Tata	tata	t-ah-t-aah
Animal	nămaje	n-aah-m-ah-jg-ay
Fish-Piskem	pește	p-ay-shh-t-ay
Bird-Passerem	pasăre	p-ah-s-aah-er-ay
Louse	păduche	p-aah-d-u-k-jg-ay
Snake	șarpe	shh-ah-er-p-ay
Snake-Serpens	șarpe	shh-ah-er-p-ay
Worm	vîrme	v-jg-ay-r-m-ay
Tree	arbore	ah-r-b-oh-r-ay
Stick	par	p-ah-er
Fruit	fruct	f-r-u-k-t
Flower	floră	f-l-midback_diphthong_romanian-er-ay
Tail	coadă	t-ya-midback_diphthong_romanian-d-aah
Feather-Penna	pană	p-ah-n-aah
Hair	păr	p-aah-er
Head	cap	k-ah-p
Head-Testa	țeastă	VIAIveolarSibilantAffricate-midfront_diphthong_romanian-s-t-aah
Ear	ureche	u-r-ay-k-ay
Eye	ochi	oh-kpalatal
Nose	nas	n-ah-s
Mouth	bucă	b-u-k-aah
Mouth-Gula	gură	j-u-er-aah
Sun	soare	s-midback_diphthong_romanian-er-ay
Moon	lună	l-u-n-aah
Star	stea	s-t-midfront_diphthong_romanian
Water	apă	ah-p-aah
Rain	ploaie	p-l-midback_diphthong_romanian-jg-ay
River-Rivus	riw	r-eee-w
Lake	lac	l-ah-k
Sea	mare	m-ah-r-ay
Salt	sare	s-ah-r-ay
Earth	țară	VIAIveolarSibilantAffricate-ah-r-aah
Fog-Nebula	negură	n-ay-g-u-r-aah
Fog-Caecia	țeață	ts-midfront_diphthong_romanian-ts-aah
Sky	țer	ts-ay-er
Wind	vînt	v-eee-n-t

Appendix 4 - Word Lists by Language

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
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	limbă	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	kunoaște	k-u-n-midback_diphthong_romanian-shh-t-ay
ToThink	kudʒeta	k-u-VdPalatoAlveolarSibilant-ay-t-ah
ToThink-Pensare	păsa	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	uțide	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	tăja	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	zbură	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	zădăci	zz-aah-ts-midfront_diphthong_romanian
ToSit	jede	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	toarși	t-midback_diphthong_romanian-r-ts-ay
ToFall	kădea	k-aah-d-midfront_diphthong_romanian
ToHold	ține	VlAlveolarSibilantAffricate-e-n-ay
ToSqueeze	skreme	s-k-r-ay-m-ay
ToSqueeze-Stringere	strindʒe	s-t-r-eee-n-VdPalatoAlveolarSibilant-ay
ToRub	freka	f-r-ay-k-ah
ToWash	la	l-ah
ToWipe-Extergere	șterdʒe	shh-t-ay-r-VdPalatoAlveolarSibilant-ay
ToWipe-Exsucare	uska	u-s-k-ah
ToPull-Pulsare	pulsa	p-u-l-s-ah
ToPull-Trahere	trădʒe	t-r-ah-VdPalatoAlveolarSibilant-ay
ToPush	impindʒe	eee-m-p-e-n-VdPalatoAlveolarSibilant-ay
ToThrow-Eruncare	arunca	ah-er-u-nya-k-ah
ToTie	lega	l-ay-j-ah
ToSew	coase	tya-midback_diphthong_romanian-s-ay

Appendix 4 - Word Lists by Language

ToCount-Enumerare	numara	n-u-m-ah-r-ah
ToSay	ziŋe	zz-e-ts-ay
ToSay-Exponere	spune	s-p-u-n-ay
ToSing-AncestralClass	kinta	k-eee-n-t-ah
ToPlay-Jiocare	zuka	gzah-u-k-ah
ToFloat	fluctua	f-l-u-tya-t-u-ah
ToFlow-Excurrere	skurdze	s-k-u-er-VdPalatoAlveolarSibilant-ay
ToFlow-Currere	kurdze	k-u-er-VdPalatoAlveolarSibilant-ay
ToFreeze-Inglaciare	ingetsa	eee-n-j-ay-VlAlveolarSibilantAffricate-ah
ToBurn-Ardere	arde	ah-er-d-ay
ToBurn-Incendere	inŋindze	eee-n-ts-e-n-d-gzah-ay
ToBurn-AncestralClass8	ustura	u-s-t-u-r-ah
All-Totus	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	roŋu	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	ŋinŋ	ts-e-n-ts
There	la	l-ah
Who-Quem	ŋine	ts-e-n-ay
What	ŋe	ts-ay
When-Quando	kind	k-eee-n-d
How-Quomodo	kum	k-u-m
Not	nu	n-u
And-Et	e	ay
And-Si	ŋi	shh-e

Appendix 5 - Segment Groups

Pulmonic Consonants

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

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

Non-Pulmonic Consonants

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

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

Appendix 5 - Segment Groups

Vowels

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

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

Long Vowels

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

Pulmonic Affricates

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

Shaded areas denote articulations judged to be impossible.

Ejective Affricates

Manner	Bilabial	Labio-Dental	Pharyngeal Epiglottal	Glottal
Central				
Lateral				

Shaded areas denote articulations judged to be impossible.

Appendix 5 - Segment Groups

Other Segments

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

Appendix 5 - Segment Groups

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

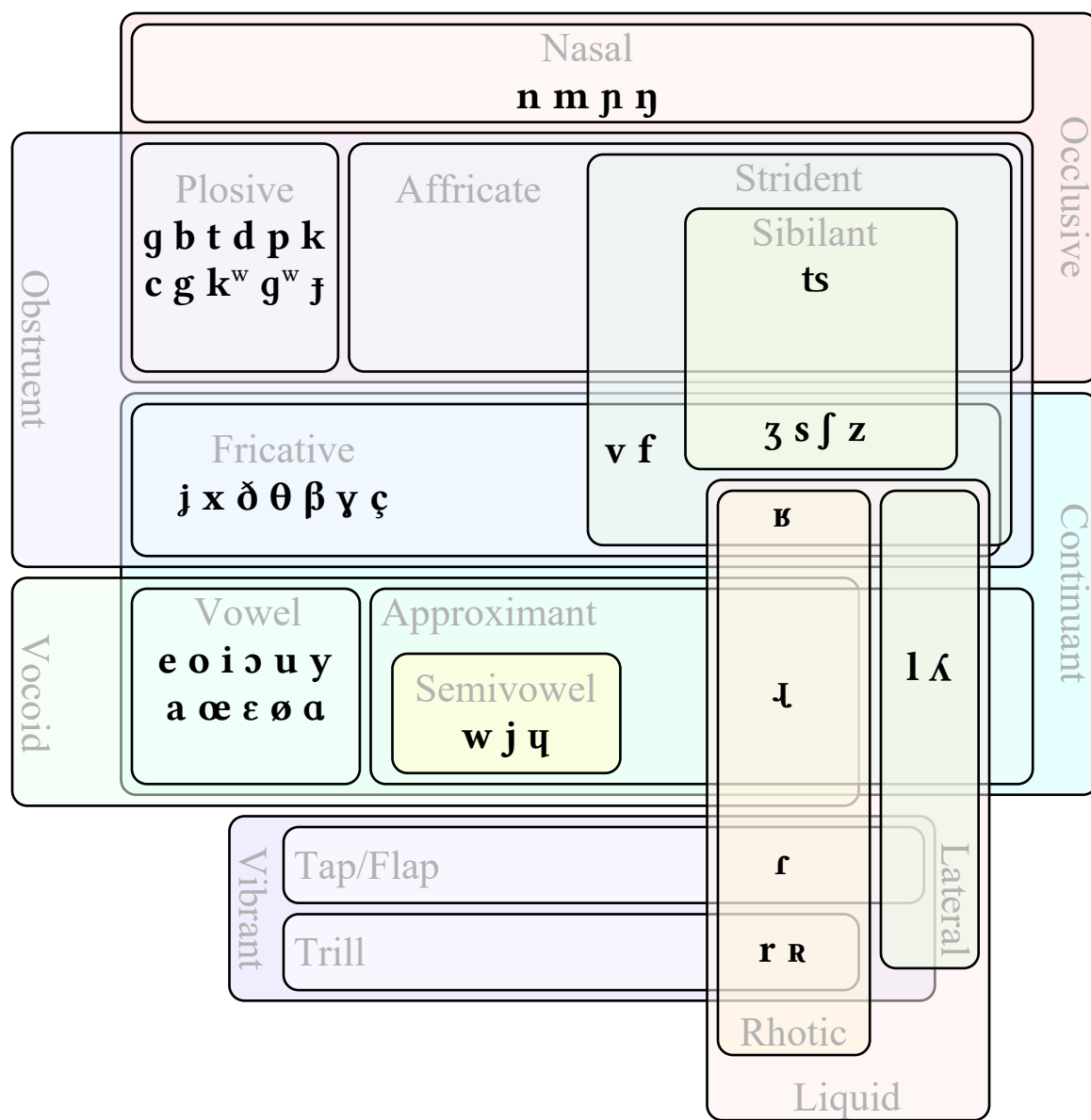
Appendix 5 - Segment Groups

œ̃ Open-mid Near-Front Rounded Nasal Vowel Diphthong

ʊ Near-close Near-Back Rounded Vowel

ẽ
Mid Front Nasal Vowel Diphthong

Appendix 6 - Euler Feature Diagram



Appendix 7 - International Phonetic Alphabet

IPA Segments

ẽ	θ	β	ʈʂ
1EBD Close Back Nasal Vowel	03B8 Dental Pulmonic Fricative Obstruent Continuant	03B2 Bilabial Voiced Pulmonic Fricative Obstruent Continuant	02A7 Palato-Alveolar Pulmonic Sibilant Affricate
ts	ɖʒ	ɖz	j
02A6 Alveolar Pulmonic Sibilant Affricate Occlusive Strident	02A4 Palato-Alveolar Voiced Sibilant Affricate	02A3 Alveolar Voiced Sibilant Affricate	029D Palatal Voiced Pulmonic Fricative Obstruent Continuant
ʒ	ʎ	ʊ	ʃ
0292 Post-Alveolar Voiced Pulmonic Sibilant Fricative Strident Obstruent Continuant	028E Palatal Vocoid Voiced Pulmonic Lateral Approximant Rhotic Liquid	028A Near-close Near-Back Rounded Vowel	0283 Post-Alveolar Pulmonic Sibilant Fricative Strident Obstruent Continuant
ʁ	ʀ	ɽ	ɻ
0281 Uvular Voiced Pulmonic Fricative Rhotic Strident Obstruent Continuant Liquid	0280 Uvular Pulmonic Trill Rhotic Vibrant Liquid	027E Alveolar Voiced Pulmonic Tap/Flap Rhotic Vibrant Liquid	027B Retroflex Vocoid Voiced Pulmonic Approximant Rhotic Liquid
ɲ	ɺ	ɪ	ɨ
0272 Palatal Voiced Pulmonic Nasal Occlusive	026B Alveolar Voiced Velarized Pulmonic Lateral Approximant	026A Near-close Near-Front Vowel	0268 Close Central Vowel
ɸ	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 Vocoid Vowel Continuant	Velar Voiced Pulmonic Nasal Occlusive
ĩ	ø	õ	ð
0129	00F8	00F5	00F0
Close Front Nasal Vowel	Close-mid Front Rounded Vowel Vocoid 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 Vocoid Vowel Continuant	Velar Pulmonic Fricative Obstruent Continuant
w	v	u	t
0077	0076	0075	0074
Labial-Velar Vocoid Semivowel Voiced Approximant Continuant	Labio-Dental Voiced Pulmonic Fricative Strident Obstruent Continuant	Close Back Rounded Vowel Vocoid 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 Vocoid Vowel Continuant
n	m	l	k
006E	006D	006C	006B
Alveolar Voiced Pulmonic Nasal Occlusive	Bilabial Voiced Pulmonic Nasal Occlusive	Alveolar Vocoid Voiced Pulmonic Lateral Approximant Rhotic Liquid	Velar Pulmonic Stop Occlusive
j	i	h	g
006A	0069	0068	0067
Palatal Vocoid Semivowel Voiced Pulmonic Approximant Continuant	Close Front Vocoid Vowel Continuant	Glottal Pulmonic Fricative	Velar Voiced Pulmonic Stop Occlusive

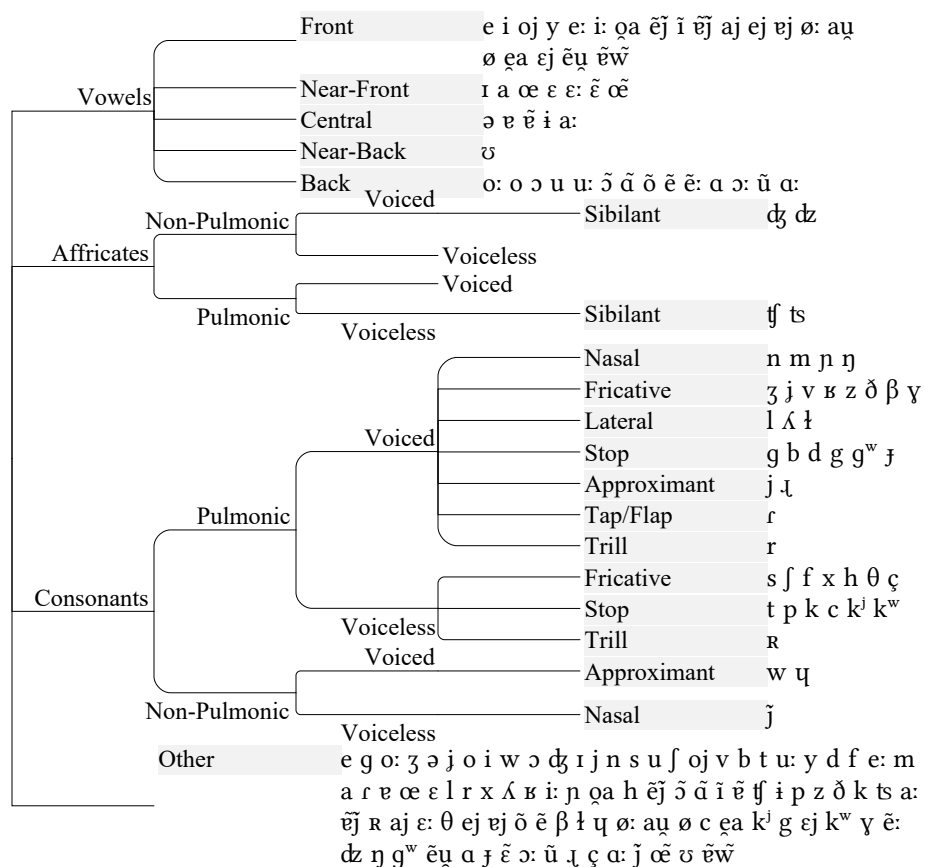
Appendix 7 - International Phonetic Alphabet

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

Appendix 7 - International Phonetic Alphabet

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

Appendix 8 - Feature Tree

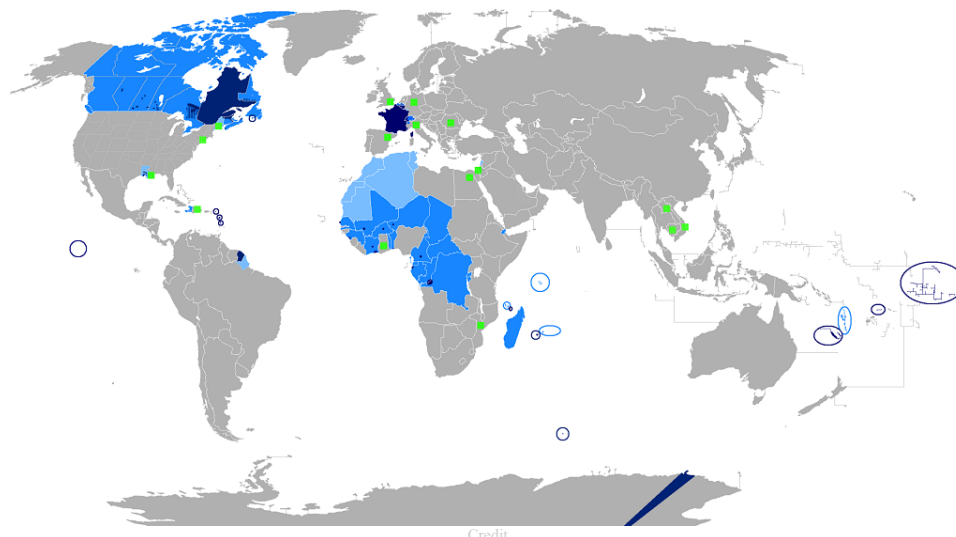


Appendix 9 - Diacritics

Diacritics

	Undefined escape character	~	Nasalized	..	Centralized
+	Advanced	-	Retracted	˘	RisingTone
◌	Voiceless		Implosive	◌	Syllabic
◌	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		

French



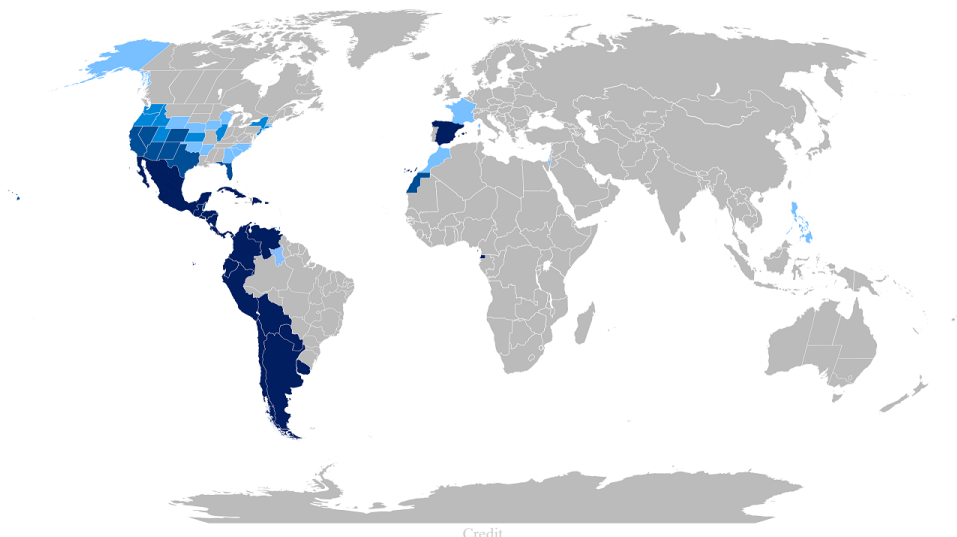
A Romance language of the Indo-European family. It descended from the Vulgar Latin of the Roman Empire, as did all Romance languages. French evolved from Gallo-Romance, the Latin spoken in Gaul, and more specifically in Northern Gaul. Its closest relatives are the other langues d'oïl—languages historically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

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

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

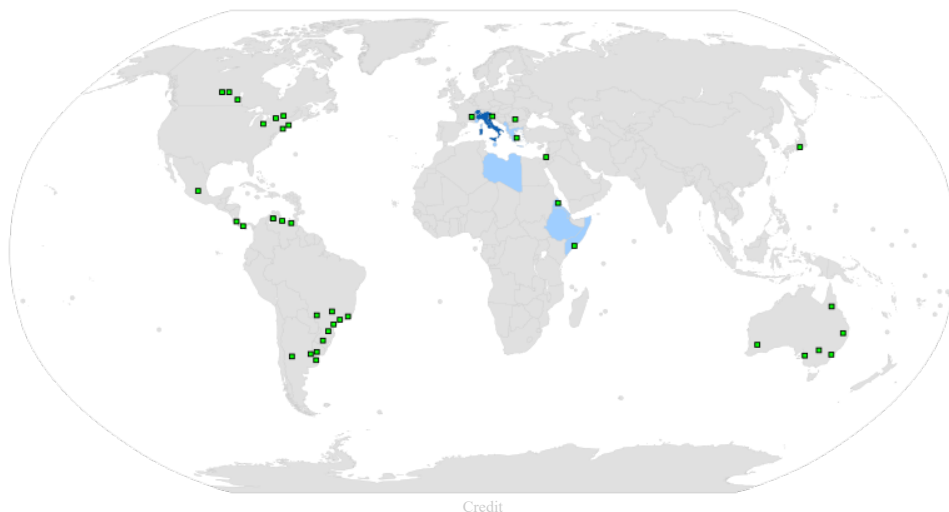
Appendix 10 - Languages

Spanish



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

Italian



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

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

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

Appendix 10 - Languages

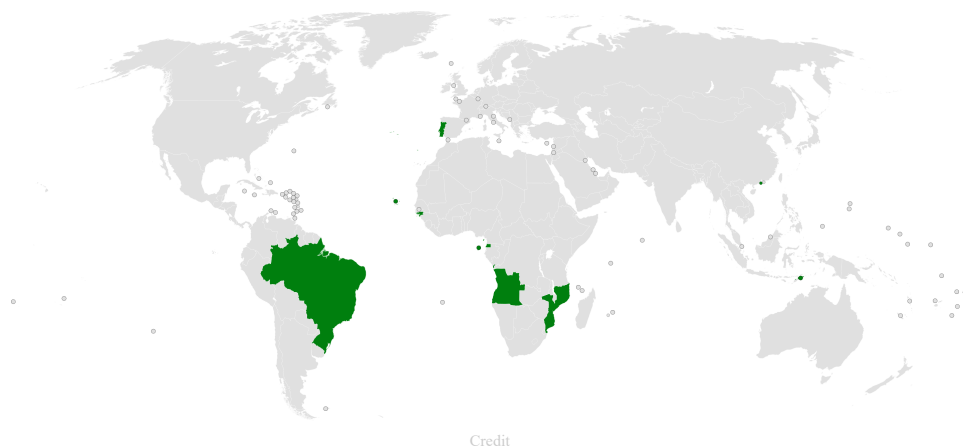
languages covered by the European Charter for Regional or Minority languages in Bosnia and Herzegovina and in Romania, although Italian is neither a co-official nor a protected language in these countries. Many speakers of Italian are native bilinguals of both Italian (either in its standard form or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

Brazilian Portuguese



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

Portuguese



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

Appendix 10 - Languages

Catalan



Credit

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

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

Walloon



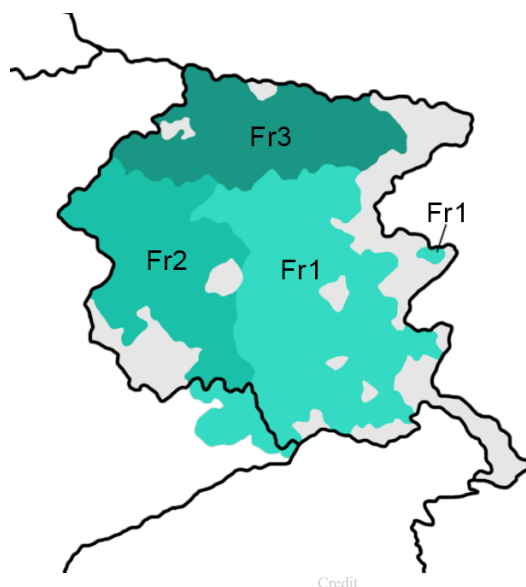
Credit

Appendix 10 - Languages

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

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

Friulian



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

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

Romanian



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".