

Table of  $\hat{B}$ ; associated standard error in parenthesis.

Covariate Name	wFPC1	wFPC2	wFPC3	wFPC4	sFPC1	sFPC2	sFPC3	sFPC4	Duration
B2	62.572579512 (13.184257296)	-54.277450085 (5.112943668)	12.87916067 (1.769495389)	-1.197261304 (1.157364156)	0.04265283 (0.110127034)	-0.028849097 (0.067898159)	0.000628782 (0.049968351)	-0.01422337 (0.041879173)	-1.214974836 (0.515008813)
B2 <sup>2</sup>	-38.824731442 (6.10900279)	19.04077912 (2.368443142)	-4.160439365 (0.819468575)	0.53406454 (0.535985893)	0.015147139 (0.051001418)	0.030517089 (0.031444624)	0.020254715 (0.02314107)	-0.007399809 (0.019394855)	0.856010645 (0.238505166)
B2 <sup>3</sup>	5.955393231 (0.848695621)	-1.917984178 (0.328978479)	0.387218232 (0.11380385)	-0.05944496 (0.074435449)	-0.005230937 (0.007083182)	-0.005273042 (0.004367098)	-0.004618119 (0.003213882)	0.002011145 (0.0026936)	-0.121648519 (0.033122525)
B3	-50.897509458 (1.546073999)	-9.465264618 (0.599646053)	2.205235815 (0.20738468)	-0.55881824 (0.135640655)	0.05986119 (0.012904681)	-0.021956331 (0.007956283)	0.00767266 (0.005855275)	0.007527477 (0.004907385)	0.030572713 (0.060358412)
B3 <sup>2</sup>	4.168780073 (0.267655306)	1.346808371 (0.103785869)	-0.331073928 (0.035868228)	0.083081694 (0.023460217)	-0.007570123 (0.002232413)	0.002821955 (0.001376382)	-0.000512911 (0.001012922)	-0.001395158 (0.000848945)	-0.014337103 (0.01043941)
B3 <sup>3</sup>	-0.09376953 (0.012535545)	-0.050962021 (0.004861759)	0.012403815 (0.001679162)	-0.002964996 (0.001098277)	0.000247049 (0.000104502)	-0.000117609 (6.443e-05)	1.2193e-05 (4.7416e-05)	7.4398e-05 (3.974e-05)	0.000636753 (0.000488717)
B4	-5.250891039 (0.176073317)	-0.324399791 (0.067731687)	-0.008280304 (0.023222538)	-0.003963404 (0.015173291)	0.003182151 (0.001428448)	-0.003527096 (0.000880518)	0.000684977 (0.000648004)	0.001882368 (0.000543077)	0.000755196 (0.006755023)
B4 <sup>2</sup>	0.085689167 (0.003792124)	0.003961279 (0.001464076)	-1.7922e-05 (0.000503257)	3.768e-05 (0.00032912)	-6.2176e-05 (3.1275e-05)	2.2181e-05 (1.9282e-05)	-1.1083e-05 (1.419e-05)	-2.8402e-05 (1.1893e-05)	3.8638e-05 (0.000146462)
B4 <sup>3</sup>	-0.000374948 (2.068e-05)	-1.0992e-05 (7.997e-06)	-3.64e-07 (2.748e-07)	-7.94e-07 (1.798e-06)	2.71e-07 (1.71e-07)	-5e-09 (1.05e-07)	3.3e-08 (7.8e-08)	1.21e-07 (6.5e-08)	1.19e-07 (8e-07)
B5	-0.20831501 (0.154253659)	0.099143419 (0.0580117)	-0.063328472 (0.019633833)	-0.006459809 (0.012831743)	-0.000623239 (0.001211289)	0.000918698 (0.00074666)	0.000190267 (0.000549494)	-0.000303331 (0.000460523)	-0.004376498 (0.005711938)
B5 <sup>2</sup>	-0.005220968 (0.002689617)	-0.001411107 (0.001022371)	0.001098947 (0.000346312)	0.00016504 (0.000226435)	2.1849e-05 (2.1474e-05)	-7.903e-06 (1.3239e-05)	5.432e-06 (9.743e-06)	5.761e-06 (8.165e-06)	4.1774e-05 (0.000100775)
B5 <sup>3</sup>	2.9206e-05 (1.2543e-05)	2.347e-06 (4.792e-06)	-4.6e-06 (1.623e-06)	-1.15e-06 (1.062e-06)	-1.17e-07 (1.01e-07)	2e-08 (6.2e-08)	-3.2e-08 (4.6e-08)	-2.7e-08 (3.8e-08)	5.5e-08 (4.72e-07)
SexF	436.371291538 (202.248584804)	-27.748680605 (51.617766433)	5.804929908 (17.799384059)	4.197858659 (11.632147725)	0.700517363 (1.10685495)	0.759560444 (0.682422153)	0.008793323 (0.502215511)	-0.230879471 (0.42091407)	14.292847443 (5.178462676)
SexM	59.021668263 (226.178688263)	-43.213413052 (51.900360315)	-1.421601559 (17.880372835)	1.193611883 (11.680218106)	0.829500757 (1.111368304)	0.671048726 (0.685202667)	-0.031485549 (0.504261781)	-0.227754954 (0.422629082)	15.224589919 (5.201020928)
VoicedPRVcon1	0.051650466 (2.960651969)	1.056327922 (1.135858921)	4.485353577 (0.389818006)	4.974760826 (0.254967692)	0.210153752 (0.02426293)	-0.034056827 (0.014959191)	-0.013355639 (0.011008939)	0.000374827 (0.009226749)	-3.129740507 (0.113456347)
VoicedPRVcon2	-13.345048157 (3.249884043)	-1.512698606 (1.247822914)	2.051781525 (0.428133018)	2.900606935 (0.280028641)	0.150254758 (0.02664816)	-0.057646291 (0.016429799)	-0.029956619 (0.012091205)	-0.015351567 (0.010133813)	-2.008378697 (0.124607982)
VoicedPRVcon3	-36.313829481 (6.268826513)	19.701776089 (2.426904232)	6.554755425 (0.838814538)	6.401700046 (0.548510208)	-0.305944032 (0.052073301)	-0.070920409 (0.032104118)	0.212895263 (0.023626439)	-0.107886067 (0.01980147)	5.885709367 (0.244104068)
Tone2	-229.041673558 (69.679847897)	23.863668687 (26.464613372)	-7.91808494 (9.105191445)	-8.101486244 (5.955495963)	-0.681576569 (0.566761735)	-0.050939978 (0.34943456)	0.626816388 (0.257159743)	0.035883516 (0.215529305)	-2.175094728 (2.650072045)
Tone3	-589.49222589 (190.653003946)	-23.649031061 (68.403996043)	-1.790606627 (23.635729235)	-7.837263379 (15.459488937)	-1.0559262 (1.471227021)	-1.329404149 (0.907078752)	-0.371749902 (0.667547208)	0.502432433 (0.559480968)	8.249533571 (6.879191769)
Tone4	-118.430852962 (68.974827065)	-119.13376502 (25.601522658)	-5.306652254 (8.12914779)	-8.353847851 (5.764285685)	-0.410476758 (0.548564547)	-1.048040767 (0.338215111)	0.07802888 (0.248902991)	0.223121236 (0.208609194)	0.261336612 (2.565003786)
Tone5	46.665453953 (80.907256126)	3.915701181 (31.110742208)	0.0328595 (10.7619786)	0.650145773 (7.039094281)	-0.345994147 (0.66986362)	-0.345994147 (0.413002393)	-0.070508698 (0.303941181)	0.266458372 (0.254737472)	-5.057538415 (3.132273278)
VoicedNXtcon1	-50.369813452 (5.734056637)	21.522506161 (2.203970713)	-2.067574514 (0.757981528)	-2.536570737 (0.495768976)	-0.342889847 (0.047174531)	-0.028824703 (0.029085184)	0.116248106 (0.021404695)	0.002555959 (0.017939576)	1.676161736 (0.220609449)
VoicedNXtcon2	-46.442223743 (5.401521405)	32.394221381 (2.082099611)	-19.363553965 (0.716996304)	1.537697678 (0.468967322)	-0.0569678 (0.044629678)	0.091096192 (0.027516236)	0.112874556 (0.020250055)	0.040869447 (0.016971864)	5.424627146 (0.208682041)
VoicedNXtcon3	20.260940725 (15.853152198)	33.622330776 (6.12977241)	-17.513241217 (0.716996304)	-5.244373758 (1.385257654)	0.285262173 (0.13180582)	-0.046312298 (0.081264034)	-0.046312298 (0.05980472)	0.073963772 (0.050123165)	4.229907118 (0.03584524)
PrevTone1	-111.818488416 (144.576155551)	99.393406621 (51.809489325)	-20.7805419 (17.899824839)	-3.306524418 (11.707794291)	-0.498364 (1.114195431)	-0.825378403 (0.686952499)	-0.130859294 (0.505549524)	0.063902575 (0.423708374)	0.0303584524 (5.209754822)
PrevTone2	-111.448750795	108.900001493	-27.529197857	-3.523143771	-1.327941533	-0.32797166	-0.02100606	0.035541752	-0.860413426

Covariate Name	wFPC1	wFPC2	wFPC3	wFPC4	sFPC1	sFPC2	sFPC3	sFPC4	Duration
PrevTone3	(144.98656802)	(51.980779544)	(17.958965252)	(11.746476964)	(1.117877305)	(0.689222551)	(0.507220125)	(0.42510853)	(5.226967793)
PrevTone4	(145.642264422)	(52.239611078)	(18.049554997)	(11.805729375)	(1.123516243)	(0.692699214)	(0.509778706)	(0.427252914)	(5.253333987)
PrevTone5	(144.369621867)	(51.734310182)	(17.874477282)	(11.691216166)	(1.112618706)	(0.685980387)	(0.504834115)	(0.423108781)	(5.202377633)
NextTone1	(141.742256612)	(50.622985281)	(17.489298968)	(11.439280304)	(1.08864157)	(0.67119737)	(0.493954837)	(0.413990698)	(5.090271064)
NextTone2	(143.946546151)	(51.545241804)	(17.808193107)	(11.647853872)	(1.108484906)	(0.683431628)	(0.502958408)	(0.421536713)	(5.183083753)
NextTone3	(144.163097344)	(51.630526657)	(17.8373241)	(11.666909571)	(1.110300175)	(0.684550845)	(0.503782074)	(0.42227042)	(5.191562827)
NextTone4	(143.911907165)	(51.529999148)	(17.802829781)	(11.644346888)	(1.10815213)	(0.683226468)	(0.502807424)	(0.421410173)	(5.181523007)
NextTone5	(139.808336866)	(49.94083865)	(17.261963171)	(11.290583781)	(1.074488663)	(0.662471412)	(0.487533125)	(0.408608566)	(5.024103985)
Rhyme_@	(9.58211233)	(3.695430718)	(1.274431836)	(0.833567721)	(0.079324627)	(0.048907228)	(0.035992348)	(0.030165704)	(0.370923166)
Rhyme_a	(-41.142553762)	(2.506143292)	(5.147914019)	(0.259897578)	(0.196698955)	(0.07232916)	(0.008715854)	(-0.004149663)	(2.031836249)
Rhyme_ai	(-49.983488829)	(1.517528825)	(0.521795033)	(0.341291561)	(0.032479161)	(0.020024885)	(0.014736938)	(0.012351241)	(0.151868646)
Rhyme_an	(-8.82938197)	(5.435282048)	(1.354740389)	(-0.40086341)	(0.224296484)	(0.110115943)	(0.029265698)	(-0.041177932)	(3.831749122)
Rhyme_aN	(3.614178301)	(1.430655004)	(0.49211268)	(0.321869538)	(0.030625137)	(0.018881762)	(0.013895679)	(0.011646162)	(0.143227694)
Rhyme_au	(-20.679666928)	(7.924277526)	(0.478012369)	(1.983049666)	(0.198306337)	(0.064761844)	(0.046070994)	(0.010585991)	(6.381086146)
Rhyme_ei	(4.13704814)	(1.591838128)	(0.547718979)	(-2.421360213)	(0.029747658)	(0.018340733)	(0.013497518)	(0.011312458)	(0.139123862)
Rhyme_ei	(-28.589237038)	(7.147275375)	(1.998727689)	(-1.251489623)	(0.358244009)	(0.034089843)	(0.02101792)	(0.012963736)	(6.377558397)
Rhyme_ei	(4.669966221)	(1.795133688)	(0.618105853)	(0.40428278)	(0.038471088)	(0.023719152)	(0.017455662)	(0.014629839)	(0.1798992)
Rhyme_i	(8.016325963)	(4.572500386)	(1.466354968)	(-0.707086002)	(0.154976143)	(0.02267513)	(0.025535672)	(0.010487623)	(2.692519711)
Rhyme_ia	(6.624279614)	(1.786134897)	(0.614021731)	(0.401602958)	(0.038209972)	(0.023558104)	(0.017337145)	(0.014530501)	(0.178708427)
Rhyme_iaN	(-36.871159531)	(-1.121227056)	(8.701601846)	(-0.52206227)	(0.037235014)	(-0.03579778)	(0.020155052)	(-0.010112106)	(-0.093397255)
Rhyme_iau	(4.536651764)	(-1.73529866)	(0.403760301)	(0.264087235)	(0.02513136)	(0.015494626)	(0.011402979)	(0.009557001)	(0.117514312)
Rhyme_iE	(-14.007490597)	(0.906716781)	(11.109014681)	(-2.898339541)	(0.007268123)	(-0.136497166)	(0.103908275)	(-0.0318573)	(6.173663487)
Rhyme_iEn	(-24.281601129)	(-5.862602405)	(1.712918945)	(0.276696013)	(0.096429759)	(-0.065794219)	(-0.006801882)	(0.030984915)	(3.022306611)
Rhyme_in	(14.070658686)	(1.304115702)	(0.447521458)	(0.292699185)	(0.02784733)	(0.01716909)	(0.012635273)	(0.010589798)	(0.130248294)
Rhyme_iN	(14.406504595)	(4.375330014)	(3.322426933)	(-1.202240654)	(0.294889633)	(-0.024713226)	(0.050088972)	(0.025052573)	(5.384866424)
Rhyme_iou	(3.332642757)	(1.279605163)	(0.439866453)	(0.287704165)	(0.02737937)	(0.01688063)	(0.012422983)	(0.010411882)	(0.128023254)
Rhyme_@n	(8.1298607)	(1.556016982)	(0.534689604)	(-0.349725681)	(0.033281919)	(0.020519824)	(0.015101179)	(0.012656517)	(0.155621659)
Rhyme_@N	(4.187698917)	(3.308026443)	(4.647840214)	(-1.749461505)	(0.266511857)	(-0.007813964)	(0.017188242)	(0.037368762)	(4.444727026)
Rhyme_o	(3.476812675)	(1.334849295)	(0.458525273)	(0.307469608)	(0.02925981)	(0.018040001)	(0.013276204)	(0.011126978)	(0.136818597)
Rhyme_oN	(16.888471376)	(-0.169132148)	(0.74430994)	(-0.223079855)	(0.096138873)	(0.066566643)	(0.018719804)	(0.046619945)	(1.764511639)
Rhyme_oN	(9.266112573)	(3.564601049)	(1.227013651)	(0.802547304)	(0.076367899)	(0.047084219)	(0.034650743)	(0.029041279)	(0.357120808)
Rhyme_oN	23.63283265	11.710456215	2.693305457	-1.213785416	0.183908295	-0.022688851	0.031917147	0.026021384	5.654169501

Covariate Name	wFPC1	wFPC2	wFPC3	wFPC4	sFPC1	sFPC2	sFPC3	sFPC4	Duration
Rhyme_ou	(3.422373274)	(1.314452758)	(0.451382031)	(0.295236478)	(0.028096348)	(0.017322681)	(0.012748304)	(0.010684538)	(0.13137494)
Rhyme_u	(4.769838598)	(1.83353696)	(0.630755761)	(0.41255933)	(0.039261101)	(0.024206258)	(0.01781414)	(0.014930289)	(0.183581599)
Rhyme_U	(21.905337477)	(5.081789814)	(-2.309151901)	(0.012411316)	(-0.233669016)	(-0.004594409)	(-0.059215357)	(0.047326727)	(-0.817885738)
Rhyme_U'	(-20.457790954)	(12.008833325)	(-3.073887835)	(1.770660313)	(-0.049858871)	(0.000997218)	(-0.023682179)	(-0.012718443)	(-1.706435801)
Rhyme_ua	(-41.120874223)	(10.529884992)	(4.426375336)	(0.278875836)	(0.026536597)	(0.016361001)	(0.012040572)	(0.010091375)	(0.124095623)
Rhyme_uai	(-4.927577885)	(-15.008669418)	(-2.63173474)	(-0.358188696)	(-0.001548948)	(-0.013123903)	(0.00679431)	(0.011737092)	(6.757249531)
Rhyme_uan	(9.761355724)	(3.75901017)	(1.293211607)	(0.845846614)	(0.080489701)	(0.049625515)	(0.036520966)	(0.030608742)	(0.376387991)
Rhyme_uaN	(-4.535391165)	(7.620617746)	(1.961972278)	(-0.677116329)	(0.254403678)	(-0.033388993)	(0.084310988)	(0.046370556)	(7.553791273)
Rhyme_uei	(-10.2674451)	(2.366166471)	(0.813752546)	(0.532253051)	(0.050652405)	(0.031229524)	(0.022982781)	(0.019262202)	(0.236843047)
Rhyme_u@n	(-5.21614873)	(2.486610694)	(0.489917702)	(0.320441251)	(0.030494873)	(0.018801481)	(0.013836596)	(0.011596651)	(0.14259067)
Rhyme_uo	(-8.370967646)	(5.842373876)	(-8.370967646)	(0.369272725)	(0.126008831)	(0.028423508)	(0.034101307)	(0.01616146)	(2.828159323)
Rhyme_y	(-1.060603824)	(3.744862984)	(-1.060603824)	(-0.059633642)	(-0.028150229)	(0.03845369)	(0.023708587)	(0.009763567)	(1.102679558)
Rhyme_yE	(-6.198346957)	(4.352669783)	(-6.198346957)	(0.577608565)	(0.37779798)	(0.03595365)	(0.02216707)	(0.016313437)	(0.168113256)
Rhyme_yEn	(-0.199949387)	(5.463157628)	(-0.199949387)	(1.944851641)	(0.003600911)	(0.059971783)	(-0.009064254)	(-0.056884064)	(2.145571442)
Rhyme_yn	(4.979035591)	(4.977346421)	(11.07313922)	(-2.611596337)	(-0.225997243)	(-0.164457707)	(-0.007571501)	(-0.000947421)	(6.604839993)
Rhyme_yn	(6.175774036)	(-0.362129075)	(-0.410183599)	(2.334031825)	(0.187134356)	(-0.149005904)	(0.00246655)	(0.11087522)	(6.114584615)
Rhyme_yoN	(7.233285909)	(2.786825652)	(0.956288162)	(0.625481549)	(0.059524288)	(0.036699443)	(0.027008276)	(0.022636028)	(0.278328034)
B2:SexM	(-56.062603334)	(3.518138671)	(-5.632753229)	(0.897182613)	(-0.03039398)	(0.109952566)	(0.064775152)	(-0.020805161)	(-2.260138897)
B2 <sup>2</sup> :SexM	(25.945358899)	(10.0777625)	(3.491289159)	(2.283511383)	(0.217281768)	(0.133963846)	(0.09858812)	(0.082628092)	(1.016129768)
B2 <sup>3</sup> :SexM	(-2.418714148)	(0.000573499)	(-0.319745398)	(0.063850299)	(-0.001529142)	(0.003552337)	(0.005622672)	(-0.004832649)	(-0.03355684)
B3:SexM	(33.207440977)	(6.531176993)	(-1.087582308)	(0.425836475)	(-0.025672472)	(0.030154537)	(-0.014863523)	(-0.00971225)	(-0.112974162)
B3 <sup>2</sup> :SexM	(-3.131031841)	(-1.007349815)	(0.168274111)	(-0.059218964)	(0.002081757)	(-0.003889801)	(0.001364773)	(0.001592681)	(0.032317748)
B3 <sup>3</sup> :SexM	(0.067126044)	(0.037997962)	(-0.006015362)	(0.001901206)	(-1.327e-06)	(0.000157361)	(-3.7779e-05)	(-7.1087e-05)	(-0.001477066)
B4:SexM	(2.89303242)	(0.003097371)	(0.062810843)	(0.022187755)	(0.000822522)	(-0.000188962)	(0.002209477)	(-0.002211031)	(0.029132124)
B4 <sup>2</sup> :SexM	(-0.044470623)	(0.002357329)	(-0.001480392)	(-0.000331712)	(-2.9829e-05)	(6.3416e-05)	(-5.687e-05)	(5.5637e-05)	(-0.000546048)
B4 <sup>3</sup> :SexM	(0.000167233)	(-2.0331e-05)	(9.711e-06)	(2.415e-06)	(3.15e-07)	(-5.96e-07)	(3.83e-07)	(-3.14e-07)	(1.952e-06)
B5:SexM	(0.794685575)	(-0.171345283)	(0.054968239)	(-0.015446127)	(0.000188034)	(-0.001003648)	(-0.000166636)	(0.000240821)	(0.023789334)
B5 <sup>2</sup> :SexM	(-0.009753308)	(0.002548832)	(-0.000715681)	(0.000152499)	(-1.8533e-05)	(2.0811e-05)	(-1.419e-06)	(-1.2127e-05)	(-0.00018774)

Covariate Name	wFPC1	wFPC2	wFPC3	wFPC4	sFPC1	sFPC2	sFPC3	sFPC4	Duration
B5 <sup>3</sup> :SexM	(0.004973299)	(0.001930009)	(0.000667505)	(0.000436556)	(4.1506e-05)	(2.559e-05)	(1.8832e-05)	(1.5783e-05)	(0.000194268)
	3.8866e-05	-9.041e-06	1.767e-06	-3.98e-07	1.05e-07	-9e-08	1.8e-08	8.1e-08	5.17e-07
	(2.3048e-05)	(8.951e-06)	(3.098e-06)	(2.026e-06)	(1.93e-07)	(1.19e-07)	(8.7e-08)	(7.3e-08)	(9.02e-07)
VoicedPRVcon1:Tone2	-7.223196705	-19.71438025	-3.196316324	-0.620907805	-0.559226988	0.224050459	0.005762193	-0.087114207	-0.063628267
	(4.885788892)	(1.87909159)	(0.646274799)	(0.42271033)	(0.040227549)	(0.024802122)	(0.018252656)	(0.015297815)	(0.188098532)
VoicedPRVcon2:Tone2	26.668034214	-10.470265956	-2.793383625	0.466434235	-0.31024003	0.240510061	0.047125558	-0.0322655	0.227355806
	(5.153363538)	(1.984037163)	(0.682092046)	(0.446134422)	(0.042454076)	(0.026174849)	(0.019262891)	(0.016144504)	(0.198522411)
VoicedPRVcon3:Tone2	-11.893091728	17.87345405	1.323805706	-11.900672891	-0.782101268	-0.001346121	-0.261949226	-0.053601481	2.713456821
	(10.613923471)	(4.111127042)	(1.421872173)	(0.930006651)	(0.088504321)	(0.054566948)	(0.040157501)	(0.033656581)	(0.413836223)
VoicedPRVcon1:Tone3	4.703905657	-5.32351596	-7.739706881	-5.388513069	-0.522504902	0.055756927	0.00758222	0.033123978	0.398173399
	(6.062401535)	(2.333746511)	(0.803439946)	(0.525506931)	(0.050009796)	(0.03083332)	(0.022691201)	(0.019017824)	(0.233841307)
VoicedPRVcon2:Tone3	24.388169803	-0.84466432	-4.002541032	-0.345757189	-0.264929246	0.190481636	0.019930881	0.060530587	0.095459876
	(5.90830313)	(2.276002331)	(0.783373616)	(0.512382398)	(0.048760817)	(0.030063267)	(0.022124496)	(0.01854286)	(0.228001063)
VoicedPRVcon3:Tone3	-2.497648463	-16.216577293	23.68333183	2.851709811	0.489903131	0.395475463	-0.368356575	0.122547387	8.308496111
	(39.276703138)	(15.209678353)	(5.261004639)	(3.441070973)	(0.327465354)	(0.201897248)	(0.148582412)	(0.124529056)	(1.531215562)
VoicedPRVcon1:Tone4	19.608383318	17.7392316	-4.714741962	-3.867881348	-0.434479833	0.131572729	-0.071681712	-0.044885254	1.198707604
	(4.187635784)	(1.608524709)	(0.552803541)	(0.361572156)	(0.034408303)	(0.021214281)	(0.015612253)	(0.013084854)	(0.160893386)
VoicedPRVcon2:Tone4	32.120997166	15.417762027	-1.036809708	-2.597188054	-0.33910923	0.161528331	-0.034626895	-0.011966393	1.01717872
	(4.390688662)	(1.687620174)	(0.580110134)	(0.379432836)	(0.036107944)	(0.022262182)	(0.016383436)	(0.013731194)	(0.168841027)
VoicedPRVcon3:Tone4	28.172079153	-27.74496098	-10.060999559	-3.551657873	0.690259256	-0.245087796	0.039287343	0.296965687	-3.496700155
	(21.765767262)	(8.43034884)	(2.916872054)	(1.907831651)	(0.181548752)	(0.111932964)	(0.082374921)	(0.069039596)	(0.848953207)
VoicedPRVcon1:Tone5	1.138481841	1.177603671	-4.284040243	-4.984480806	-0.142863171	0.028077544	0.028077544	0.036821511	1.904865001
	(7.212019599)	(2.77621547)	(0.955754923)	(0.625130656)	(0.059489143)	(0.036678007)	(0.026992487)	(0.022622793)	(0.278172338)
VoicedPRVcon2:Tone5	43.941982727	-3.18127887	-1.05497585	-3.553543524	-0.135564165	-0.120593727	0.031854335	0.061094832	2.46713948
	(9.035773048)	(3.4823142)	(1.199553469)	(0.784591976)	(0.074664332)	(0.046033953)	(0.033877819)	(0.028393488)	(0.349129839)
VoicedPRVcon3:Tone5	-10.409353598	-25.120591793	-5.509850549	-6.117680248	8.45998394	-0.244558257	0.105345648	0.278073172	0.648480784
	(35.530115957)	(13.784139107)	(4.76982592)	(3.119748856)	(0.296832369)	(0.183009969)	(0.134682692)	(0.112879415)	(1.388244076)
VoicedPRVcon1:VoicedNXTcon1	8.505680669	-14.848392488	0.4053205	1.629381216	0.176049624	0.052230027	-0.094614274	0.045667534	0.59320849
	(12.869677591)	(4.943118325)	(1.700733801)	(1.112403386)	(0.1058631)	(0.06526944)	(0.048033815)	(0.040257836)	(0.494999448)
VoicedPRVcon2:VoicedNXTcon1	-6.16443302	17.734508697	-6.534325543	-0.993006509	-0.327543103	0.009963422	0.093066748	-0.049476699	1.557218451
	(15.596199746)	(6.009259735)	(2.067426099)	(1.352244289)	(0.128685352)	(0.079340373)	(0.058389059)	(0.048936714)	(0.601724735)
VoicedPRVcon3:VoicedNXTcon1	-30.791175128	-19.37500341	-3.804163695	1.943227103	0.001856887	-0.112011362	-0.113907261	0.034826074	-0.799760755
	(22.587788863)	(8.744827411)	(3.02398178)	(1.977892986)	(0.188218246)	(0.116045025)	(0.085401117)	(0.071575896)	(0.880128521)
VoicedPRVcon1:VoicedNXTcon2	0.552905977	-3.482217506	-3.507021992	-0.251006789	0.141643582	0.011980822	-0.168832876	0.02266614	0.847028223
	(11.939918701)	(4.604567646)	(1.583967359)	(1.036030391)	(0.098595743)	(0.060788793)	(0.04473637)	(0.037494202)	(0.461014662)
VoicedPRVcon2:VoicedNXTcon2	12.354950758	8.507410433	-2.196909972	-1.258286198	0.022754543	-0.123140155	0.010102604	0.04723559	1.905735243
	(15.032015421)	(5.790592075)	(1.993893223)	(1.30414779)	(0.124108714)	(0.076518679)	(0.05631246)	(0.047196304)	(0.580322786)
VoicedPRVcon3:VoicedNXTcon2	-9.395757085	-17.988212005	-6.72704113	6.187154605	0.287796537	0.1763668	-0.128214406	-0.172268556	-0.13024854
	(29.19642967)	(11.261673465)	(3.894288561)	(2.547130631)	(0.242383166)	(0.149440075)	(0.109977568)	(0.092173762)	(1.133430133)
VoicedPRVcon1:VoicedNXTcon3	-9.931521294	-1.867568892	2.178891382	2.080666274	0.089668854	-0.167102167	-0.097715818	-0.115622255	0.535940887
	(37.383531614)	(14.428526241)	(4.975803535)	(3.254537512)	(0.309722614)	(0.190958156)	(0.140532025)	(0.117781925)	(1.448210193)
VoicedPRVcon2:VoicedNXTcon3	-67.640819264	-20.381938867	16.248033171	5.328181182	0.175691214	-0.215893543	0.101326047	-0.022240178	-1.811322338
	(28.876918015)	(11.103768818)	(3.830076688)	(2.505149132)	(0.238406516)	(0.146988527)	(0.108173412)	(0.090661705)	(1.114745841)
VoicedPRVcon3:VoicedNXTcon3	-92.35124095	-66.961692271	-5.806781782	-1.341901131	-0.134663238	-0.559680692	0.228977331	-0.051144044	9.452491045
	(74.643949679)	(26.732661715)	(9.231730314)	(6.038216553)	(0.57462902)	(0.354284991)	(0.26072928)	(0.218520973)	(2.686897976)
Tone2:VoicedNXTcon1	56.552546582	-13.549312899	3.447507226	0.17067305	-0.020594542	-0.12926692	-0.012576814	-0.012576814	-1.043547597
	(6.387282104)	(2.453269466)	(0.843344081)	(0.551601269)	(0.05248732)	(0.032360758)	(0.023815293)	(0.019959933)	(0.245454023)
Tone3:VoicedNXTcon1	47.281824479	-22.051983765	0.470035379	3.864543349	0.189550279	-0.015198908	-0.092292382	0.033292644	-0.80593873
	(7.611686479)	(2.926682009)	(1.007149527)	(0.658747301)	(0.062688865)	(0.038650533)	(0.028444132)	(0.023839436)	(0.293130985)
Tone4:VoicedNXTcon1	47.943205427	-13.219736363	-0.141270853	4.65953034	-0.190776579	-0.163413587	-0.259457339	0.091550623	-0.914053501
	(6.424669097)	(2.471539932)	(0.850384556)	(0.556210407)	(0.05292959)	(0.032633478)	(0.024015994)	(0.020128148)	(0.247504162)
Tone5:VoicedNXTcon1	61.002973301	-8.497646248	0.020941861	2.170736319	0.263611211	0.082827952	-0.156998737	-0.005192901	-1.58174949
	(9.860951591)	(3.787627037)	(1.303477314)	(0.852553421)	(0.08111874)	(0.05001322)	(0.036806289)	(0.030847859)	(0.37937908)
Tone2:VoicedNXTcon2	53.61559188	-47.364762383	28.56785264	-4.158068103	-0.689780371	-0.119900696	-0.120571338	-0.11894294	1.029575057
	(6.533733253)	(2.520684748)	(0.868673466)	(0.5681732)	(0.054069197)	(0.033336115)	(0.024533084)	(0.020561531)	(0.252827242)

Covariate Name	wFPC1	wFPC2	wFPC3	wFPC4	sFPC1	sFPC2	sFPC3	sFPC4	Duration
Tone3:VoicedNXTcon2	95.838017057 (7.546753171)	-60.301547046 (2.908482813)	22.325379439 (1.001956018)	0.39186282 (0.655339789)	-0.183748825 (0.062354563)	-0.305265088 (0.0384443)	-0.125836424 (0.028292359)	0.071971955 (0.023712217)	-1.178164166 (0.291616781)
Tone4:VoicedNXTcon2	20.573421974 (6.322228391)	0.907206419 (2.436439883)	-6.075175657 (0.83901546)	7.438032364 (0.548772641)	-0.822695735 (0.052220761)	-0.385839919 (0.032196443)	-0.394516245 (0.023694366)	0.063659353 (0.019858586)	-0.539307462 (0.244194772)
Tone5:VoicedNXTcon2	-2.360259027 (49.709811361)	-32.43748082 (19.059265556)	21.711421293 (6.576202284)	-4.839563964 (4.301310451)	0.949344777 (0.409336028)	-0.005899583 (0.252374327)	-0.409286871 (0.185730069)	-0.22554142 (0.155663051)	-4.991920577 (1.914006148)
Tone2:VoicedNXTcon3	-18.038076983 (20.443105618)	6.501488739 (7.902716799)	10.715505675 (2.730399493)	4.210090066 (1.785879933)	-0.372033351 (0.16995581)	-0.13244775 (0.104785528)	-0.028313765 (0.07711491)	-0.065193214 (0.064631123)	-0.907675302 (0.794684026)
Tone3:VoicedNXTcon3	-18.63779077 (19.218819689)	-7.617573869 (7.424972071)	12.926832783 (2.564867852)	7.37133749 (1.677609693)	-0.680898688 (0.15965158)	-0.211655267 (0.098432493)	0.012034907 (0.072439515)	-0.021658059 (0.060712606)	-1.432135673 (0.746505869)
Tone4:VoicedNXTcon3	35.472917433 (20.650558605)	-14.71369867 (7.988288145)	11.028771926 (2.761121997)	5.206323104 (1.805972316)	-1.075790642 (0.171866436)	-0.311633898 (0.105963504)	-0.257017473 (0.077981816)	0.000716609 (0.065357688)	-1.718880324 (0.803625217)
Tone2:PrevTone1	-19.491340937 (75.037819266)	17.336740335 (28.574919587)	26.385597093 (9.838983934)	-1.358271572 (6.435413487)	0.067615789 (0.612437197)	0.002447798 (0.377595567)	-0.436833065 (0.27788429)	0.01995829 (0.232898848)	2.211319633 (2.863642614)
Tone3:PrevTone1	334.59808637 (208.112287074)	-31.049786276 (75.617818899)	39.534263068 (26.144713416)	15.516402444 (17.100555961)	1.914753594 (1.627409979)	1.312131251 (1.003372781)	0.10316446 (0.738412931)	-0.872019389 (0.61887457)	-5.382403279 (7.60943443)
Tone4:PrevTone1	25.44279071 (76.774495321)	-5.678396124 (28.727658053)	7.376944488 (9.898853269)	10.268928658 (6.474570018)	1.159876095 (0.616161342)	0.582120919 (0.379891643)	0.115472024 (0.279574028)	0.004130739 (0.234315037)	-1.403590071 (2.881066889)
Tone5:PrevTone1	-129.490051012 (88.701600126)	-53.904184828 (34.283000614)	8.178729131 (11.872008877)	3.464046035 (7.765123523)	0.724179973 (0.738948144)	-0.486968831 (0.455594955)	-0.026479052 (0.335286342)	-0.141168339 (0.281008288)	1.063692377 (3.455344916)
Tone2:PrevTone2	-10.841176551 (75.443869366)	13.082673638 (28.71183861)	29.706515566 (9.885096641)	6.735420806 (6.465575855)	0.547443562 (0.615309021)	-0.4531677 (0.379366195)	-0.724736828 (0.279187352)	0.074960146 (0.233990965)	4.245874335 (2.877064907)
Tone3:PrevTone2	286.979993466 (196.634474984)	-55.722950053 (70.887094764)	32.906678687 (24.494783897)	23.452280419 (16.021382092)	1.891219675 (1.524708801)	0.916927359 (0.940052812)	0.176615376 (0.691813834)	-0.56014938 (0.579819192)	-8.821005032 (7.129222177)
Tone4:PrevTone2	5.407177995 (74.507837339)	8.837001989 (27.821186947)	12.969649839 (9.583984236)	8.273236032 (6.26862676)	1.303228906 (0.596566322)	0.414618242 (0.36781047)	-0.030738481 (0.270683122)	0.116102842 (0.226863446)	0.029940604 (2.789425134)
Tone5:PrevTone2	-201.073132161 (99.141880167)	5.585572482 (38.040762929)	-8.948973355 (13.154673269)	4.91264432 (8.60405489)	1.135082624 (0.818761114)	-0.339709069 (0.504802996)	-0.003532356 (0.371500086)	-0.062987674 (0.311359509)	0.898906079 (3.828659556)
Tone2:PrevTone3	48.534313142 (77.600218179)	45.264013889 (29.55616663)	8.994575715 (10.181553617)	14.641042062 (6.659480274)	0.669822471 (0.633762021)	-0.397873052 (0.390743308)	-0.757687509 (0.287560112)	0.115095396 (0.241008296)	-1.479327079 (2.963347905)
Tone3:PrevTone3	347.31187395 (197.808519515)	-26.53484632 (71.123430279)	24.003864024 (24.574496827)	15.178539842 (16.073514167)	1.354038127 (1.529664337)	1.121541338 (0.943108061)	0.35597961 (0.69406229)	-0.250628899 (0.581703646)	-12.515716359 (7.152421275)
Tone4:PrevTone3	41.974154164 (77.683484897)	-0.045999317 (29.061129099)	12.24981914 (10.015650466)	13.171704561 (6.550967704)	1.126989176 (0.623435521)	0.256300054 (0.38437655)	-0.10153826 (0.282874604)	0.118843358 (0.237081303)	-0.951342918 (2.915061684)
Tone5:PrevTone3	-229.23641303 (101.473416644)	34.263627842 (38.926070217)	-2.996198426 (13.464106834)	7.429797191 (8.806483063)	0.517914648 (0.838060765)	-0.632715786 (0.516702534)	-0.256671871 (0.380257311)	-0.260497176 (0.318699122)	-1.326019424 (3.918729092)
Tone2:PrevTone4	61.543253029 (73.45922722)	19.731940327 (27.946203173)	15.275956116 (9.619024453)	14.054357424 (6.291543498)	0.447200787 (0.598745278)	-0.25401795 (0.369153871)	-0.547882848 (0.27167179)	0.120740267 (0.227692061)	0.977660372 (2.799623269)
Tone3:PrevTone4	400.441386817 (196.152473529)	53.224251435 (70.70749792)	23.629881502 (24.434058137)	14.049241061 (15.981655341)	1.119533315 (1.520920885)	1.506219821 (0.937717305)	0.255828455 (0.690095065)	-0.433264682 (0.578378656)	-10.294887166 (7.111545943)
Tone4:PrevTone4	32.55337826 (72.287396409)	36.25217088 (26.957668864)	11.262274415 (9.285889413)	8.85530065 (6.073649721)	1.38660552 (0.578009674)	0.580340371 (0.356369424)	0.074955857 (0.262263302)	-0.070349545 (0.219806671)	-1.476496936 (2.702664172)
Tone5:PrevTone4	-122.814439922 (88.556234414)	-20.830131631 (34.024913765)	-6.105898378 (11.767307147)	-8.243472228 (7.696667244)	-0.043166017 (0.732457095)	-0.169166367 (0.451593199)	0.071805841 (0.332341346)	-0.099140793 (0.278540079)	2.116738398 (3.42487838)
Tone2:PrevTone5	53.973937504 (61.532103243)	31.698812864 (23.241479416)	14.073666442 (7.986298271)	-1.303629927 (5.223621786)	0.40414215 (0.497115064)	-0.208849944 (0.3064942)	-0.757569548 (0.225558611)	0.193349823 (0.189043938)	2.019674338 (2.324417818)
Tone3:PrevTone5	392.820902992 (194.266842369)	23.498688084 (69.906975113)	25.529000502 (24.156333038)	8.064563523 (15.80000566)	1.124337932 (1.503635636)	1.295714746 (0.927060743)	0.093710585 (0.68225257)	-0.123067162 (0.57180575)	-6.945175057 (7.030714687)
Tone4:PrevTone5	93.210593834 (61.400523057)	9.598049232 (22.529316362)	7.692061804 (7.74517167)	7.275306833 (5.065904393)	0.945121217 (0.482102166)	0.483877793 (0.297238013)	-0.12073967 (0.218746687)	0.200239696 (0.183334758)	1.252251844 (2.254236971)
PrevTone1:NextTone1	139.593633524 (145.065992962)	-92.699782773 (52.013172729)	23.236452677 (17.970264913)	4.350553331 (11.753867517)	1.033378042 (1.118580273)	0.381415606 (0.689655957)	0.117513796 (0.507539082)	-0.116413811 (0.425375852)	2.126665573 (5.230256504)
PrevTone2:NextTone1	125.270322162 (145.491526756)	-100.125696389 (52.189439759)	29.188620806 (18.030825297)	4.927518918 (11.793478526)	1.406921454 (1.12235004)	0.180119111 (0.691980193)	0.079974062 (0.50924956)	-0.08494572 (0.426809428)	3.753809084 (5.247882662)
PrevTone3:NextTone1	143.06804206 (146.143610416)	-91.703516623 (52.447947196)	23.671943906 (18.121459869)	6.435532233 (11.852760399)	1.099965053 (1.127991967)	0.286286364 (0.695458701)	-0.051982898 (0.511809499)	-0.165832796 (0.428954951)	0.207792403 (5.274261931)

Covariate Name	wFPC1	wFPC2	wFPC3	wFPC4	sFPC1	sFPC2	sFPC3	sFPC4	Duration
PrevTone4:NextTone1	192.265009803 (144.843861395)	-91.128909772 (51.930143344)	22.703087155 (17.941931588)	5.702544353 (11.735336233)	1.122643583 (1.116817444)	0.255554667 (0.688569101)	0.050123922 (0.50673923)	-0.163319723 (0.424705485)	1.762490215 (5.222010254)
PrevTone5:NextTone1	192.908145166 (142.472245457)	-95.668943645 (50.925601521)	17.551907267 (17.593315167)	3.148354613 (11.507314974)	1.184459647 (1.095116706)	0.238777406 (0.675189594)	0.002066244 (0.49689284)	-0.046822926 (0.416453082)	1.925530105 (5.120545157)
PrevTone1:NextTone2	101.99932801 (144.922672065)	-104.947902876 (51.952320635)	24.917841007 (17.949444735)	5.183732431 (11.740249545)	0.9034852 (1.117284268)	0.447168244 (0.68885691)	0.155605391 (0.506951038)	-0.122968314 (0.424883003)	2.173534628 (5.224196769)
PrevTone2:NextTone2	108.233703305 (145.32004457)	-109.884562889 (52.118240661)	29.154174036 (18.00693373)	4.929955928 (11.777852171)	1.322383555 (1.120863424)	0.284876301 (0.691063632)	0.019925616 (0.508575032)	-0.048470115 (0.426244098)	2.026236121 (5.240929116)
PrevTone3:NextTone2	123.503373984 (146.007812708)	-102.015652492 (52.391104716)	25.571500032 (18.10234932)	7.389890723 (11.840261209)	1.014181638 (1.126802911)	0.370638577 (0.694725599)	-0.058856489 (0.511269984)	-0.147244299 (0.428502776)	-0.275381385 (5.268699918)
PrevTone4:NextTone2	164.405799207 (144.691079154)	-98.393110782 (51.866957493)	24.891891351 (17.920641034)	6.516522848 (11.721410996)	0.981706854 (1.115492572)	0.334181968 (0.68775226)	0.08872313 (0.50613809)	-0.151485435 (0.424201662)	1.074209422 (5.215813704)
PrevTone5:NextTone2	173.884569774 (142.217551829)	-105.203220493 (50.817699032)	20.114040636 (17.556262257)	3.021277663 (11.483079788)	0.876027955 (1.092810491)	0.440938631 (0.673767709)	-0.027191189 (0.49584643)	0.004684429 (0.41557607)	1.030936762 (5.109760921)
PrevTone1:NextTone3	124.340901357 (145.330736889)	-105.267762763 (52.120425747)	26.214887234 (18.00730706)	5.260440147 (11.778095701)	1.130179408 (1.120886124)	0.407839837 (0.691077623)	0.100276498 (0.508585329)	-0.081887965 (0.426252727)	3.069062534 (5.24625727)
PrevTone2:NextTone3	120.676856886 (145.710092078)	-113.716042208 (52.277117861)	32.940075441 (18.061021164)	6.935802568 (11.813229373)	1.472985887 (1.145337767)	0.250671914 (0.312303688)	-0.07835449 (0.510102704)	-0.110563022 (0.427524462)	2.592740079 (5.26671326)
PrevTone3:NextTone3	158.442735778 (146.399219508)	-96.123762983 (52.548051529)	25.524583758 (18.155485966)	7.505912326 (11.875016672)	1.130110811 (1.130110811)	0.312303688 (0.696765076)	-0.115737032 (0.512770901)	-0.146965665 (0.429760717)	0.612793479 (5.284165444)
PrevTone4:NextTone3	187.299193846 (145.08354901)	-97.480354617 (52.025292905)	26.266823128 (17.974445997)	6.769178651 (11.756603415)	1.160237754 (0.68981723)	0.285325178 (0.507657767)	0.022420455 (0.425475326)	-0.199342318 (0.507657767)	1.725534199 (5.231473699)
PrevTone5:NextTone3	228.73162541 (142.719050107)	-109.975267547 (51.021961378)	21.834245101 (17.625850085)	3.388991952 (11.528595517)	1.04841183 (1.097142246)	0.430624517 (0.676438437)	-0.112412919 (0.497811903)	-0.002277098 (0.417223363)	0.99619105 (5.130014565)
PrevTone1:NextTone4	122.006159127 (145.018792697)	-103.15123434 (51.991213009)	22.431529618 (17.962356866)	4.164013909 (11.748695082)	0.841666302 (1.118088063)	0.453641027 (0.689352488)	0.096139067 (0.50731575)	-0.042175065 (0.425188674)	1.694994746 (5.227954876)
PrevTone2:NextTone4	109.549099338 (145.413217996)	-107.323120159 (52.155910693)	28.834717721 (18.019047902)	4.42319325 (11.785775537)	1.157294069 (1.121617285)	0.340481366 (0.69152842)	0.014577223 (0.508917086)	-0.030827035 (0.426530778)	2.249952277 (5.24445492)
PrevTone3:NextTone4	133.556833488 (146.080364454)	-98.930608193 (52.421658353)	25.470797521 (18.112297177)	6.725085356 (11.846767614)	0.771052402 (1.127421914)	0.393089693 (0.695107241)	-0.017478361 (0.511550848)	-0.11707851 (0.428738172)	-0.355203815 (5.2715952)
PrevTone4:NextTone4	177.549510145 (144.793485864)	-96.258084425 (51.908107485)	23.283494869 (17.934258408)	5.79901026 (11.73031751)	0.842042119 (1.116339933)	0.350293795 (0.688274695)	0.088817575 (0.506522568)	-0.121655683 (0.424523898)	0.701857149 (5.219776996)
PrevTone5:NextTone4	209.486915487 (142.267155229)	-98.956964177 (50.840888135)	17.664989479 (17.56419454)	2.228995741 (11.488267558)	0.708844892 (1.093303592)	0.452933308 (0.674071721)	0.003280164 (0.496070162)	0.057823518 (0.415763583)	0.530559845 (5.112069484)
PrevTone1:NextTone5	94.220103626 (141.068605737)	-119.412629094 (50.467500119)	17.500483509 (17.444063581)	-2.147563878 (11.409693891)	0.793626897 (1.085826806)	0.244327476 (0.669461948)	0.252463597 (0.492677675)	-0.092133843 (0.412920293)	2.287376226 (5.077105173)
PrevTone2:NextTone5	108.204220828 (141.530711406)	-119.773409501 (50.658477749)	21.828526429 (17.509686896)	-1.936995812 (11.452616966)	0.933147025 (1.089912311)	0.099757829 (0.671980858)	0.218048331 (0.49453142)	-0.048526792 (0.414473944)	3.077096586 (5.096205031)
PrevTone3:NextTone5	97.35513468 (142.336380317)	-114.435864301 (50.975818485)	19.042601613 (17.61964612)	0.968135424 (11.524538182)	0.713189207 (1.09675672)	0.096120875 (0.676200747)	0.158700709 (0.497636966)	-0.127890147 (0.417076747)	-0.404202825 (5.128208682)
PrevTone4:NextTone5	135.390227146 (140.888535842)	-109.522867019 (50.391468382)	19.102371345 (17.417029759)	-0.618310779 (11.392011251)	0.688269224 (1.084143539)	0.1942217 (0.668424132)	0.271570145 (0.491913917)	-0.141737466 (0.412280175)	1.295022064 (5.069236843)
PrevTone5:NextTone5	113.95148883 (134.890001683)	-121.351071579 (47.883858683)	11.265842468 (16.553130571)	-5.7804868 (10.826958557)	0.285452235 (1.030369258)	0.181577198 (0.635270121)	0.267739873 (0.467514849)	-0.149696214 (0.391830962)	0.362582813 (4.817798605)
Tone2:NextTone1	96.679437306 (71.701817034)	59.964749881 (27.241641021)	19.210996926 (9.372554658)	11.934786708 (6.13033573)	1.502471255 (0.5834049)	-0.417907436 (0.35969584)	-0.644210068 (0.264711339)	0.027195778 (0.221858408)	4.209121822 (2.72788549)
Tone3:NextTone1	318.953602185 (190.812569339)	-6.997077564 (68.74326009)	19.791310928 (23.756397471)	14.104410147 (15.538417279)	1.546095853 (1.47874074)	1.188025445 (0.91171133)	0.243342725 (0.670956462)	-0.578152013 (0.562338317)	-7.06642229 (6.914312794)
Tone4:NextTone1	95.908693387 (70.940235969)	56.210824838 (26.388995901)	14.540049963 (9.084383074)	10.221815704 (5.941845493)	0.329682778 (0.565461868)	0.341432525 (0.348633076)	-0.171084279 (0.256569895)	-0.144320132 (0.215034937)	1.397407536 (2.64401471)
Tone5:NextTone1	-162.152098843 (101.229093937)	1.958185632 (38.626461167)	-2.04489781 (13.309138724)	1.362698534 (8.705128837)	0.141615136 (0.828421169)	-0.006557622 (0.510759369)	-0.390611165 (0.375883636)	-0.185487799 (0.31503349)	-2.43615155 (3.873628553)
Tone2:NextTone2	43.629336427 (71.141813534)	56.560319829 (27.034546088)	24.159917711 (9.302284256)	11.523129664 (6.084372725)	1.379510211 (0.579030113)	-0.426632599 (0.356998579)	-0.589409142 (0.262726339)	0.025453785 (0.22019475)	2.559887689 (2.707436009)
Tone3:NextTone2	234.301488643 (191.427218346)	-30.406874581 (68.710133456)	22.982005752 (23.740508007)	13.738430694 (15.528023915)	1.091853803 (1.477751164)	1.067326505 (0.911101207)	0.270907016 (0.670507459)	-0.420211217 (0.561962)	-7.518273255 (6.90968821)

Covariate Name	wFPC1	wFPC2	wFPC3	wFPC4	sFPC1	sFPC2	sFPC3	sFPC4	Duration
Tone4:NextTone2	43.414656813 (70.104253682)	35.12478494 (26.048935806)	17.739321621 (8.967300646)	11.745619936 (5.865266101)	0.32821501 (0.55817519)	0.457488424 (0.344140519)	-0.150285536 (0.253263681)	-0.109028217 (0.212263953)	0.354413994 (2.609938078)
Tone5:NextTone2	-103.225710951 (92.476984246)	-13.564929899 (35.523807175)	1.605202967 (12.267373798)	4.235364021 (8.023735308)	0.45384018 (0.763571826)	-0.376042994 (0.470776733)	-0.094917752 (0.346459138)	-0.225246382 (0.290372389)	-0.339439671 (3.570420552)
Tone2:NextTone3	123.800239429 (72.113310108)	52.177297666 (27.38739624)	24.629535695 (9.422401845)	14.722108427 (6.162938618)	1.73296033 (0.586507015)	-0.446723611 (0.361608431)	-0.539860531 (0.266118873)	0.074763099 (0.223038082)	2.091537527 (2.742396425)
Tone3:NextTone3	417.753828623 (191.598340197)	77.078127765 (68.725029815)	28.305476554 (23.744250273)	15.08339993 (15.530470103)	2.006779619 (1.47798255)	1.236926001 (0.911243851)	0.171515702 (0.670612437)	-0.571440445 (0.562049981)	-6.123320619 (6.910777073)
Tone4:NextTone3	72.937475997 (71.078290712)	29.405539109 (26.424229622)	20.152645328 (9.095758737)	12.283119148 (5.942985104)	0.37687318 (0.56616952)	0.299144929 (0.349069375)	-0.290432001 (0.256890981)	-0.134483716 (0.215304043)	0.799852807 (2.647325423)
Tone5:NextTone3	-153.333372704 (87.472899937)	-1.483337648 (33.671990179)	3.234508744 (11.641122438)	5.733868942 (7.614119893)	0.335957853 (0.724589707)	-0.709969104 (0.446742471)	-0.053712728 (0.328771571)	-0.499650639 (0.275548185)	-0.694448788 (3.38814885)
Tone2:NextTone4	58.412653252 (71.231050498)	34.844920462 (27.05950838)	21.953370672 (9.309151434)	12.422502662 (6.088864701)	1.131485805 (0.579457788)	-0.264158379 (0.357262262)	-0.598805045 (0.262920395)	0.08634609 (0.220357392)	1.339583141 (2.709434831)
Tone3:NextTone4	275.307416188 (191.231646889)	-11.040174396 (68.636584175)	23.684463596 (23.715617726)	15.491198171 (15.511741781)	1.391483165 (1.476199694)	1.219459808 (0.910144632)	0.173408147 (0.669803486)	-0.427930972 (0.561371987)	-6.772960731 (6.902443348)
Tone4:NextTone4	51.88422586 (70.133216138)	43.854072308 (26.063675536)	14.927352785 (8.972413036)	10.546468116 (5.868608977)	0.522669114 (0.558492415)	0.528753814 (0.344336092)	-0.097896505 (0.253407611)	-0.089216605 (0.212384581)	-0.024983476 (2.611425781)
Tone5:NextTone4	-137.96574074 (85.893560541)	-13.382548496 (33.015487255)	2.213837057 (11.410902131)	0.881268833 (7.463542192)	0.764855833 (0.710262203)	-0.72585016 (0.437908934)	-0.068414414 (0.322270695)	-0.418574768 (0.270099708)	1.034131666 (3.321144128)
Tone2:NextTone5	6.153217752 (50.014033991)	18.682160087 (19.282175746)	18.85503813 (6.653259414)	8.249209025 (4.351717735)	0.436310482 (0.41413927)	-0.23648333 (0.255335821)	0.028514897 (0.187909535)	0.168380384 (0.157489706)	4.624563317 (1.936435022)
Tone3:NextTone5	188.99353618 (189.804404823)	-23.15625651 (68.078703984)	18.799630668 (23.525437027)	10.26995777 (15.387346658)	1.303707162 (1.464358686)	1.276721093 (0.902844078)	0.410486354 (0.664430779)	-0.486313328 (0.55686904)	-9.332514283 (6.847090316)
Tone4:NextTone5	11.981600433 (46.832999283)	15.917741776 (18.079203471)	15.468881673 (6.240090965)	4.275454759 (4.08146961)	-0.16858059 (0.388415214)	0.131210309 (0.239475701)	0.033790558 (0.176237582)	-0.081296519 (0.147707265)	1.466332182 (1.816180597)
Tone5:NextTone5	6.344541529 (95.471153856)	-32.194923734 (37.036945526)	17.225149648 (12.80848306)	11.168438026 (8.377669127)	0.574758298 (0.797263435)	-0.382189161 (0.491549262)	0.14293724 (0.3617463)	-0.054243819 (0.303184805)	2.289234312 (3.727911566)
VoicedPRVcon1:Tone2:VoicedNXTcon1	-21.895691284 (14.556663584)	21.999047645 (5.592971334)	-2.065474013 (1.923473756)	-1.441646543 (1.258092399)	-0.167149127 (0.119728671)	-0.058034103 (0.073818211)	0.092569955 (0.054325124)	-0.032968779 (0.045530675)	-0.137630563 (0.559828251)
VoicedPRVcon2:Tone2:VoicedNXTcon1	-10.532206358 (16.94829805)	-15.267735721 (6.525298294)	7.387408621 (2.243794322)	3.086171857 (1.467600805)	0.305474432 (0.139662031)	0.014608225 (0.08610798)	-0.129385999 (0.063369555)	0.031725647 (0.053110937)	-2.32458021 (0.653056554)
VoicedPRVcon3:Tone2:VoicedNXTcon1	24.375695914 (27.449100971)	14.54644309 (10.621510722)	7.900521265 (3.671571933)	-3.482607601 (2.401471722)	0.009953513 (0.228536726)	-0.007668338 (0.140903313)	0.021871127 (0.103695099)	-0.035202073 (0.08690836)	0.261689317 (1.068611828)
VoicedPRVcon1:Tone3:VoicedNXTcon1	-20.957878111 (16.340732018)	23.028153045 (6.284997677)	-1.355083168 (2.164096439)	-2.371887177 (1.415476429)	-0.161360259 (0.134705789)	-0.020455562 (0.083052282)	0.096095862 (0.061120758)	-0.048366114 (0.051226194)	0.965343555 (0.629861401)
VoicedPRVcon2:Tone3:VoicedNXTcon1	5.745382759 (19.058909563)	-3.317038008 (7.339202509)	6.006808776 (2.526086028)	-0.407236127 (1.652240474)	0.218872268 (0.157234969)	-0.008459688 (0.096942524)	-0.113290834 (0.071343027)	0.00176887 (0.059793622)	0.495588725 (0.735217761)
VoicedPRVcon3:Tone3:VoicedNXTcon1	46.040119046 (80.385390229)	54.293394353 (31.101423559)	-8.056922634 (10.758934246)	-3.980325625 (7.037127505)	-0.239522147 (0.669699914)	0.75261307 (0.412900632)	-0.060042391 (0.303866302)	0.353855884 (0.254674749)	-5.28886177 (3.131393007)
VoicedPRVcon1:Tone4:VoicedNXTcon1	-11.183475862 (14.168986018)	14.844865278 (5.447762841)	0.272095647 (1.875088193)	-2.599984515 (1.22644394)	-0.173606809 (0.116715976)	-0.041816419 (0.071960735)	0.082122184 (0.052958146)	-0.073318392 (0.044384989)	-0.409978351 (0.545745398)
VoicedPRVcon2:Tone4:VoicedNXTcon1	-22.720471347 (16.719485488)	-18.494329 (6.440936136)	5.181950474 (2.15979885)	0.652415389 (1.449409589)	0.435469381 (0.137932442)	-0.007674765 (0.085041629)	-0.076246319 (0.062584791)	0.033887104 (0.052453218)	-1.16002174 (6.44961477)
VoicedPRVcon3:Tone4:VoicedNXTcon1	-15.287694336 (47.74603897)	38.65859703 (18.506481329)	3.830253746 (6.404268578)	0.846231137 (4.188856708)	-0.320412772 (0.398637573)	0.210253732 (0.245778274)	-0.086674394 (0.180875806)	-0.152265381 (0.15159463)	-2.972088072 (1.863964896)
VoicedPRVcon1:Tone5:VoicedNXTcon1	9.176600568 (22.329857133)	13.134673413 (8.562454177)	1.698637324 (2.948871329)	-1.220464285 (1.928777534)	-0.283675312 (0.183555878)	-0.002209031 (0.113170607)	0.229977063 (0.083285764)	-0.099530299 (0.069803006)	0.157541802 (0.858270931)
VoicedPRVcon2:Tone5:VoicedNXTcon1	-39.796312938 (23.069849132)	-21.656364732 (8.860108398)	7.20676746 (3.048383376)	3.832344471 (1.993863508)	0.045091199 (0.189748472)	0.126311549 (0.116988616)	-0.053093137 (0.08609557)	-0.017543623 (0.072157947)	-4.341233371 (0.88723337)
VoicedPRVcon3:Tone5:VoicedNXTcon1	100.740229446 (52.495145115)	41.72954706 (20.32177281)	0.832390698 (7.030335701)	-3.071637956 (4.598291969)	-0.459785961 (0.43754632)	0.407829607 (0.269766643)	-0.10389544 (0.198529601)	-0.224480443 (0.166390445)	-1.105774334 (2.046167791)
VoicedPRVcon1:Tone2:VoicedNXTcon2	22.080614838 (15.196926528)	-2.516551581 (5.858034446)	-1.33782898 (0.1318983213)	2.404520422 (1.318983213)	0.35668148 (0.125523076)	-0.239917442 (0.077390722)	0.146368982 (0.056954243)	-0.014931457 (0.047734178)	-0.793972032 (0.586923568)
VoicedPRVcon2:Tone2:VoicedNXTcon2	-22.617152807 (17.711564499)	-7.703673819 (6.827687777)	-1.294601627 (2.352838477)	3.684640299 (1.538925605)	0.211544139 (0.146452909)	-0.046451309 (0.090294911)	0.012871377 (0.066450834)	-0.081341348 (0.055693407)	-1.732335486 (0.684794316)

Covariate Name	wFPC1	wFPC2	wFPC3	wFPC4	sFPC1	sFPC2	sFPC3	sFPC4	Duration
VoicedPRVcon3:Tone2:VoicedNXTcon2	20.020798363 (33.657048341)	14.945633171 (12.997203986)	16.247950061 (4.494501067)	-3.362478105 (2.939729842)	0.189622049 (0.279762568)	-0.427541065 (0.172486401)	-0.024686423 (0.126938067)	-0.22618598 (0.10638863)	-0.789296865 (1.308126297)
VoicedPRVcon1:Tone3:VoicedNXTcon2	-4.119998394 (15.510471413)	7.807717961 (5.972709244)	2.596609223 (2.054638435)	-1.594621156 (1.343883448)	-0.168754655 (0.127892868)	-0.070965652 (0.078851808)	0.06162413 (0.058029505)	-0.068906462 (0.048635371)	-0.170011123 (0.598003733)
VoicedPRVcon2:Tone3:VoicedNXTcon2	-17.369190153 (18.673989157)	10.512820739 (7.192748945)	2.521566664 (2.476828935)	-2.273100114 (1.620025483)	-0.071573877 (0.154171666)	0.106274634 (0.095053885)	-0.007494318 (0.069953114)	-0.089396471 (0.058628719)	-0.222937106 (0.720882131)
VoicedPRVcon3:Tone3:VoicedNXTcon2	53.472552677 (70.865988587)	24.289977842 (7.465189314)	13.65014218 (9.503050336)	-11.890513231 (6.215678595)	-0.487427838 (0.591517098)	-0.249304485 (0.364697256)	0.221736145 (0.268391957)	-0.064820561 (0.224943176)	-10.451394555 (-0.451394555)
VoicedPRVcon1:Tone4:VoicedNXTcon2	4.46924655 (14.491287959)	6.435090373 (5.587745712)	0.335956119 (1.922870675)	0.453493465 (1.257696515)	-0.325973471 (0.119690065)	-0.106209236 (0.0737944)	0.255385611 (0.054307601)	-0.124342172 (0.045515988)	-0.133370913 (0.559652312)
VoicedPRVcon2:Tone4:VoicedNXTcon2	-27.419386362 (17.274233706)	-19.251527476 (6.657107592)	0.537545803 (2.292860161)	0.917819725 (1.499696516)	-0.109339538 (0.142720227)	0.002965953 (0.087993546)	-0.014271284 (0.06475719)	-0.069622189 (0.054273939)	-0.64372196 (0.667337908)
VoicedPRVcon3:Tone4:VoicedNXTcon2	-75.68358553 (49.089794191)	-1.644767387 (18.953934935)	0.193484638 (6.557166592)	-17.47635288 (4.288866299)	-0.698082684 (0.408158453)	-0.039808954 (0.251648375)	-0.120417255 (0.185195798)	-0.15927089 (0.155215284)	-0.909019349 (1.908466735)
VoicedPRVcon1:Tone5:VoicedNXTcon2	-57.012800866 (125.541687433)	46.021259044 (48.666596752)	-1.408322763 (16.838002079)	11.887860835 (11.013243841)	-1.471536473 (1.048055652)	0.747120273 (0.646173782)	0.257560893 (0.475539215)	1.136475672 (0.398556244)	13.224698831 (4.900699286)
VoicedPRVcon2:Tone5:VoicedNXTcon2	10.969159342 (127.082554239)	18.805689173 (48.905523277)	-12.192456728 (16.898906062)	-1.511136526 (11.053118141)	-1.129416762 (1.051889795)	0.396582923 (0.648538197)	0.240469115 (0.477279257)	0.103507139 (0.400014656)	0.06511548 (4.918436043)
VoicedPRVcon3:Tone5:VoicedNXTcon2	91.113434419 (112.273773748)	49.85975333 (43.426354146)	-3.707147258 (15.019003106)	6.529987458 (9.823469919)	-1.593179653 (0.934814107)	0.410792893 (0.576355025)	-0.070460957 (0.424157453)	-0.107186079 (0.355492423)	6.183419386 (4.371275037)
VoicedPRVcon1:Tone2:VoicedNXTcon3	11.67257623 (47.033520881)	11.734238892 (18.157259331)	4.789269177 (6.266050936)	-0.294926495 (4.098450726)	-0.168725276 (0.390032882)	0.20072724 (0.240473086)	0.308518183 (0.176971588)	0.083605827 (0.148322448)	3.322122849 (1.823736663)
VoicedPRVcon2:Tone2:VoicedNXTcon3	89.58992868 (37.291911882)	33.693212793 (14.378738358)	-6.92737956 (4.963359415)	-3.811565917 (3.246398277)	0.055101863 (0.308948314)	0.148685532 (0.190480768)	0.038490918 (0.140180695)	0.094664188 (0.117487471)	4.666683003 (1.444588183)
VoicedPRVcon1:Tone3:VoicedNXTcon3	12.703467208 (43.895695377)	-0.462212379 (16.953077363)	-5.642562423 (5.851931218)	-7.036355221 (3.827585343)	-0.358557896 (0.364253855)	-0.016665185 (0.22457911)	-0.031364711 (0.165274716)	0.189234096 (0.138519126)	-2.514296354 (1.70320665)
VoicedPRVcon2:Tone3:VoicedNXTcon3	40.853168184 (36.552909641)	22.589478209 (13.963947167)	-5.698054965 (4.817490306)	-2.088269088 (3.150990652)	-0.220348344 (0.299869905)	0.256503225 (0.184883527)	-0.200066117 (0.136061513)	0.005841524 (0.114035126)	5.705631607 (1.402133387)
VoicedPRVcon3:Tone3:VoicedNXTcon3	356.849208799 (142.511698991)	293.001484782 (54.229027177)	80.816070633 (18.768020971)	69.275849605 (12.275658949)	0.585372534 (1.168238179)	0.966340919 (0.720272337)	-0.973866271 (0.53007062)	-0.231117733 (0.444259876)	-12.015507137 (5.46244215)
VoicedPRVcon1:Tone4:VoicedNXTcon3	45.120737377 (46.635444001)	-1.995419299 (17.960571043)	-11.615481608 (6.196296692)	-4.432612921 (4.052827107)	0.101719446 (0.385692272)	0.09071077 (0.237796921)	0.137744318 (0.175002116)	0.145485641 (0.146671807)	0.062797624 (1.803434916)
VoicedPRVcon2:Tone4:VoicedNXTcon3	86.708008885 (41.246434883)	-19.335913556 (15.851856403)	-16.084256871 (5.469170123)	-3.549810249 (3.577235722)	-0.184276434 (0.340433181)	0.039270838 (0.20989263)	-0.063427157 (0.154466485)	-0.058738781 (0.129460598)	5.150215749 (1.591804892)
Tone2:PrevTone1:NextTone1	-56.185282321 (77.276612216)	-67.648186852 (29.437174702)	-15.894818758 (10.135599093)	-8.210267621 (6.629422696)	-1.011300575 (0.630901567)	0.235600019 (0.38897971)	0.535489034 (0.286262236)	-0.009765852 (0.239920528)	-3.228507295 (2.949972933)
Tone3:PrevTone1:NextTone1	-376.664136799 (208.570533278)	11.502672557 (76.044669533)	-35.297308232 (26.293359168)	-14.773526704 (17.197781568)	-1.962299504 (1.636663035)	-1.324042743 (1.009077718)	-0.062632 (0.742611371)	0.924641564 (0.622393345)	3.306511625 (7.652697881)
Tone4:PrevTone1:NextTone1	-77.784573829 (78.871075745)	-32.300162887 (29.56558386)	-7.922861165 (10.187990077)	-11.973911257 (6.663687677)	-0.482151572 (0.634159997)	-0.451013337 (0.390988648)	0.142647725 (0.287740659)	0.119810017 (0.24115961)	-0.034796471 (2.965220569)
Tone5:PrevTone1:NextTone1	95.114723699 (108.211170523)	21.949766259 (41.474041818)	-3.961746469 (14.307221303)	-2.110672978 (9.357942293)	0.191597415 (0.890543131)	-0.301183644 (0.549060355)	0.633667182 (0.404070492)	0.173373237 (0.338657297)	1.539649563 (4.164119339)
Tone2:PrevTone2:NextTone1	-34.79285401 (77.628152196)	-60.934171154 (29.561469768)	-24.745610786 (10.177284916)	-12.769146923 (6.656688401)	-1.265611366 (0.633496364)	0.687258954 (0.390579718)	0.741123839 (0.287439733)	-0.059795094 (0.240907406)	-6.879968647 (2.962105694)
Tone3:PrevTone2:NextTone1	-298.449299499 (197.069927435)	13.804746176 (71.336587829)	-24.991772338 (24.653634122)	-22.24202251 (16.125281546)	-1.947429154 (1.534596433)	-0.981452222 (0.946148987)	-0.185136118 (0.696300195)	0.634285252 (0.583579276)	7.257846928 (7.175455423)
Tone4:PrevTone2:NextTone1	-45.163466517 (76.638951676)	-38.695253325 (28.668706653)	-16.05664421 (9.875580368)	-10.14695519 (6.459351538)	-0.649400578 (0.614716494)	-0.252457879 (0.379000869)	0.18666901 (0.278918487)	0.015514776 (0.233765624)	-2.466817447 (2.874294262)
Tone5:PrevTone2:NextTone1	152.304671212 (117.015976674)	-28.246192502 (44.674891997)	11.545991417 (15.404557327)	-3.698607581 (10.075662066)	-0.441259566 (0.958826996)	-0.34350541 (0.591160221)	0.449365955 (0.435053098)	0.052604889 (0.364624236)	1.821902474 (4.483495476)
Tone2:PrevTone3:NextTone1	-82.219728038 (79.801402111)	-78.979902769 (30.403565282)	-8.278541434 (10.473344826)	-15.738401657 (6.85033273)	-1.194506979 (0.651924617)	0.46560957 (0.401941378)	0.776922965 (0.295801121)	-0.108670891 (0.247915205)	-0.154964006 (3.048273833)
Tone3:PrevTone3:NextTone1	-326.086808739 (198.248620962)	-15.947150771 (71.58176379)	-9.790347425 (24.736255545)	-12.009141706 (16.179315883)	-1.340672369 (1.539733019)	-1.428973417 (0.949315863)	-0.269244592 (0.6986308)	0.313202901 (0.585532581)	12.166566537 (7.199501011)
Tone4:PrevTone3:NextTone1	-70.755100432 (79.750749702)	-14.188742282 (29.884651405)	-14.100611976 (10.299600398)	-10.813106085 (6.73669203)	-0.752538287 (0.641110581)	-0.207530892 (0.395274036)	0.205102987 (0.290894404)	-0.045273329 (0.243802815)	-0.766197864 (2.997705534)



Covariate Name	wFPC1	wFPC2	wFPC3	wFPC4	sFPC1	sFPC2	sFPC3	sFPC4	Duration
Tone5:PrevTone3:NextTone1	167.831259864 (119.032247546)	-33.618211468 (45.459972358)	6.920271269 (15.682530487)	-5.043946695 (10.257499462)	-0.319180409 (0.976154181)	0.240055992 (0.601843514)	0.757432379 (0.442915248)	0.249209588 (0.371213653)	3.951925758 (4.564405058)
Tone2:PrevTone4:NextTone1	-105.290611804 (75.56892514)	-50.286505474 (28.762446675)	-12.578845226 (9.900353786)	-17.33671074 (6.475554302)	-1.156592847 (0.616257619)	0.352994939 (0.379951037)	0.578507666 (0.27961776)	-0.061599586 (0.234351695)	-2.540865299 (2.881504548)
Tone3:PrevTone4:NextTone1	-423.42638985 (196.460515908)	-55.035587373 (71.101192999)	-20.162227225 (24.573600419)	-12.719654728 (16.072926114)	-1.30231394 (1.529606778)	-1.512793288 (0.943072554)	-0.157811785 (0.694036154)	0.506658377 (0.581681741)	9.417015255 (7.152159635)
Tone4:PrevTone4:NextTone1	-98.442895395 (74.340828915)	-48.137061509 (27.783026897)	-11.793528599 (9.571005)	-9.036745175 (6.26013582)	-0.714816127 (0.595756554)	-0.405244536 (0.367311183)	0.117682528 (0.270315682)	0.148651002 (0.226555486)	-0.643401267 (2.785647121)
Tone5:PrevTone4:NextTone1	31.020186784 (107.892911308)	12.854961017 (41.186440236)	10.696408347 (14.195001631)	9.623465376 (9.284562617)	0.730207718 (0.883577395)	-0.295437306 (0.544765857)	0.357842762 (0.400910055)	-0.015033661 (0.336008514)	-0.263460501 (4.131463125)
Tone2:PrevTone5:NextTone1	-89.756207471 (65.161511558)	-53.265653087 (24.650365039)	-10.657116004 (8.471240448)	-2.298200571 (5.540810241)	-1.31773544 (0.527301365)	0.417946794 (0.325105441)	0.740559522 (0.239255205)	-0.126929381 (0.200523253)	-4.480076064 (2.465560714)
Tone3:PrevTone5:NextTone1	-440.664189748 (195.430190522)	-41.281553416 (70.650328665)	-18.127457941 (24.415548672)	-3.079729494 (15.969552371)	-1.401006116 (1.519772477)	-1.365028116 (0.937009297)	-0.099927825 (0.689574017)	0.228563975 (0.577941963)	6.266337379 (7.1061596)
Tone4:PrevTone5:NextTone1	-129.602440487 (64.996505977)	-35.514983778 (23.987419946)	-6.189866212 (8.248324542)	-8.355589401 (5.39500148)	-0.603098872 (0.513419488)	-0.25762569 (0.316546553)	0.258994396 (0.232956444)	-0.034668388 (0.195244159)	-3.500962698 (2.400679441)
Tone2:PrevTone1:NextTone2	-6.12418677 (76.690966463)	-52.938016116 (29.221245227)	-19.427083443 (10.062547364)	-4.68617238 (6.5816403)	-0.780827415 (0.626353155)	0.188662359 (0.386175393)	0.456975186 (0.284198451)	0.013027337 (0.238190838)	-3.308954281 (2.92871084)
Tone3:PrevTone1:NextTone2	-318.67612869 (209.021921701)	27.976519579 (75.985229571)	37.561317832 (26.270736968)	-15.567561099 (17.182984428)	-1.552637718 (1.635254294)	-1.218637077 (1.008209159)	-0.123916433 (0.741972173)	0.821344119 (0.621857622)	4.426393658 (7.64611364)
Tone4:PrevTone1:NextTone2	-40.665148103 (78.055517198)	-21.463323345 (29.235342291)	-9.30063512 (10.074085537)	-14.138189251 (6.589185369)	-0.556399358 (0.627069537)	-0.505301978 (0.386617065)	0.030135434 (0.284523475)	0.089418191 (0.238463241)	-1.316065558 (-2.32068491)
Tone5:PrevTone1:NextTone2	29.950737434 (100.083852319)	24.889676977 (38.60461632)	-6.079391222 (13.344603373)	-5.767379471 (8.728308852)	-0.390793567 (0.830612229)	0.175510803 (0.512110076)	0.214349818 (0.376877604)	0.202041162 (0.315866529)	-1.940779321 (3.883945147)
Tone2:PrevTone2:NextTone2	-2.201983183 (77.078541074)	-42.968614181 (29.34462162)	-24.855867415 (10.1031297)	-10.846041311 (6.608185086)	-1.07235125 (0.628880526)	0.624309574 (0.387733649)	0.751897871 (0.285345222)	-0.101521968 (0.239151965)	-3.995918901 (2.940522656)
Tone3:PrevTone2:NextTone2	-256.526413383 (197.581056614)	47.816677917 (71.262857494)	-29.878954578 (24.62346864)	-24.514461157 (16.105551243)	-1.592778345 (1.532718853)	-0.888465078 (0.944991375)	-0.164296504 (0.695448278)	0.50999813 (0.582865271)	8.290367026 (7.166675958)
Tone4:PrevTone2:NextTone2	-29.584265717 (75.763087399)	-34.803753193 (28.326153331)	-16.126028889 (9.75930166)	-10.869932193 (6.38329644)	-0.817731765 (0.607478595)	-0.328726779 (0.374538375)	0.141312826 (0.275634393)	-0.056036783 (0.231013178)	-1.048130722 (2.840451167)
Tone5:PrevTone2:NextTone2	58.012308859 (109.266855888)	-23.945726471 (41.91925344)	12.291872546 (14.478978859)	-3.359908991 (9.470253832)	-0.997933387 (0.901200616)	0.056201231 (0.555630801)	0.104864352 (0.408905867)	0.068636388 (0.342709847)	-0.108668696 (4.21401401)
Tone2:PrevTone3:NextTone2	-39.476532925 (79.297060164)	-50.877954609 (30.21909807)	-13.857150131 (10.410524958)	-13.921098816 (6.80924442)	-0.878579014 (0.648014893)	0.396033732 (0.399530861)	0.717144519 (0.294027145)	-0.08692204 (0.246428411)	0.785743379 (3.029990163)
Tone3:PrevTone3:NextTone2	-278.08964324 (198.814037352)	12.312653609 (71.528858889)	-14.453389879 (24.713832511)	-15.21560935 (16.164649132)	-1.028330359 (1.538336692)	-1.202348584 (0.948454958)	-0.339976232 (0.697997238)	0.18492767 (0.585001582)	11.059499628 (7.192974838)
Tone4:PrevTone3:NextTone2	-44.637127557 (79.012527187)	-7.546885324 (29.584664972)	-16.462186869 (10.196283326)	-13.256118212 (6.669115113)	-0.81367892 (0.634679534)	-0.27356899 (0.391309002)	0.170383541 (0.287976411)	-0.096070625 (0.241357201)	-0.775680453 (2.967635059)
Tone5:PrevTone3:NextTone2	65.22370082 (111.598914074)	-31.241850804 (42.799517268)	5.090795784 (14.786189136)	-6.032539051 (9.67122436)	-0.688657634 (0.920358162)	0.500297856 (0.567442685)	0.402979835 (0.417598584)	0.308010902 (0.349995389)	0.703517813 (4.303523026)
Tone2:PrevTone4:NextTone2	-68.746240827 (75.018729902)	-35.067097014 (28.558523738)	-16.336998759 (9.831268395)	-16.310690869 (6.43036634)	-0.830789023 (0.611956579)	0.304759828 (0.377299244)	0.502680971 (0.277666221)	-0.068631925 (0.232716081)	-1.295536224 (2.861396899)
Tone3:PrevTone4:NextTone2	-364.307206761 (197.015667625)	-49.06071656 (71.052926727)	-22.449989746 (24.55257643)	-13.583017324 (16.059173897)	-0.75110411 (1.52829708)	-1.455447797 (0.942265056)	-0.208932309 (0.693441897)	0.347153966 (0.581183683)	9.236867168 (7.146040518)
Tone4:PrevTone4:NextTone2	-59.049202162 (73.538106637)	-47.260389653 (27.452352547)	-13.943288714 (9.456568451)	-10.88141125 (6.185286792)	-0.849131684 (0.588634314)	-0.518383618 (0.362920007)	0.015474439 (0.267084079)	0.115214536 (0.223847034)	-0.323137617 (2.752340531)
Tone5:PrevTone4:NextTone2	-63.835127638 (99.757870656)	8.468171364 (38.305000518)	8.683970318 (13.227742318)	8.114249486 (8.651902881)	0.565809467 (0.823367981)	-0.111970274 (0.507643977)	0.096306924 (0.373590879)	0.066780907 (0.313111918)	-2.209165104 (3.849940392)
Tone2:PrevTone5:NextTone2	-57.019164004 (64.242312278)	-31.213798734 (24.303698297)	-14.050972966 (8.352075846)	-0.519881253 (5.462866566)	-0.864775862 (0.519883076)	0.123542754 (0.320531723)	0.707265609 (0.235889264)	-0.088344917 (0.197702209)	-2.814685268 (2.430877437)
Tone3:PrevTone5:NextTone2	-380.250296509 (195.558001181)	-27.215892979 (70.427118141)	-21.867673664 (24.334535567)	-19.24018659 (15.916562753)	-0.73554484 (1.514728553)	-1.238212677 (0.933899476)	-0.044270084 (0.687285408)	0.009312114 (0.576023844)	5.731273142 (7.082580568)
Tone4:PrevTone5:NextTone2	-82.354588708 (63.631804269)	-31.431129822 (23.415530571)	-12.68936337 (8.050354041)	-8.991452255 (5.265515903)	-0.548367533 (0.50109844)	-0.48162902 (0.308950087)	0.2109008 (0.227365967)	-0.101632671 (0.190558702)	-2.805772147 (2.343060464)
Tone2:PrevTone1:NextTone3	-57.317099414 (77.762778805)	-47.872674172 (29.6224866)	-19.249768636 (10.200118085)	-7.519088362 (6.671621152)	-1.14013328 (0.634915904)	0.215568258 (0.3914454714)	0.367233443 (0.288083668)	-0.079150995 (0.241447094)	-3.457339347 (2.9687508)

Covariate Name	wFPC1	wFPC2	wFPC3	wFPC4	sFPC1	sFPC2	sFPC3	sFPC4	Duration
Tone3:PrevTone1:NextTone3	-371.007294634 (209.219094909)	18.036985561 (76.002088674)	-37.223565154 (26.274988998)	-15.664632747 (17.185765491)	-2.225676345 (1.635518909)	-1.23258433 (1.008372306)	-0.083775145 (0.74209224)	0.865697831 (0.621958252)	1.658487792 (7.647351235)
Tone4:PrevTone1:NextTone3	-64.502183044 (79.029144772)	-15.37950524 (29.631868125)	-11.778038069 (10.212176467)	-14.021656322 (6.679503119)	-0.817741061 (0.635662143)	-0.310037801 (0.391914762)	0.107607176 (0.288422211)	0.035814975 (0.241730825)	-1.594455711 (2.972258967)
Tone5:PrevTone1:NextTone3	88.68602511 (95.825870445)	19.215289925 (37.048772802)	-5.306202111 (12.821211487)	-4.799279244 (8.385969748)	-0.491942763 (0.798032396)	0.714436751 (0.492023122)	0.097696568 (0.362094979)	0.445090186 (0.303477)	-2.424513407 (3.731610433)
Tone2:PrevTone2:NextTone3	-51.963814427 (78.038618793)	-37.26892934 (29.707447101)	-27.211082552 (10.228058295)	-14.88437667 (6.689897595)	-1.327444901 (0.636656766)	0.614099231 (0.392528055)	0.708078265 (0.288873573)	-0.083687155 (0.242109128)	-4.201185657 (2.976883238)
Tone3:PrevTone2:NextTone3	-305.958723136 (197.744178097)	51.017284292 (71.279551569)	-34.409359349 (24.627819708)	-26.308100797 (16.108397297)	-2.203133615 (1.532989828)	-0.889778977 (0.945158446)	-0.08352765 (0.695571232)	0.644858525 (0.582968322)	6.538189224 (7.167942416)
Tone4:PrevTone2:NextTone3	-36.30304841 (76.775067211)	-20.229697523 (28.711619692)	-18.802910991 (9.890799335)	-12.518533512 (6.469303503)	-0.931481724 (0.615662364)	-0.162757576 (0.379584034)	0.265344752 (0.279347653)	-0.002973239 (0.234125313)	-1.982462287 (2.878723177)
Tone5:PrevTone2:NextTone3	184.004626 (105.421415902)	-22.676743005 (40.496758923)	9.317175777 (13.99926471)	-6.235972711 (9.156482774)	-0.927797721 (0.87133774)	0.431269288 (0.537218944)	0.105037126 (0.395356001)	0.378108662 (0.331353506)	-0.723145686 (4.074479124)
Tone2:PrevTone3:NextTone3	-122.556782885 (80.245477864)	-43.916028191 (30.562025173)	-11.72013407 (10.526424845)	-17.261037667 (6.885051411)	-1.10114039 (0.655229103)	0.41908521 (0.403978751)	0.669085791 (0.297300489)	-0.104719778 (0.249171848)	0.912184806 (3.063722965)
Tone3:PrevTone3:NextTone3	-384.116306202 (198.904934172)	10.312595632 (71.527141076)	-18.852362998 (24.712601105)	-16.008367014 (16.163842881)	-1.618759985 (1.538259247)	-1.134781171 (0.948407202)	-0.256750504 (0.697962094)	0.318578639 (0.584972126)	9.619469872 (7.192616256)
Tone4:PrevTone3:NextTone3	-74.223847873 (79.93360805)	-8.528936946 (29.942993972)	-14.600682177 (10.31876371)	-16.644519148 (6.749224893)	-1.062358424 (0.642302493)	-0.159959183 (0.396008899)	0.204458811 (0.291435213)	-0.081977095 (0.300328274)	-2.261817747 (3.003287447)
Tone5:PrevTone3:NextTone3	159.602658572 (107.288381225)	-31.381716502 (41.199611896)	4.900726211 (14.244650899)	-7.024662801 (9.317019125)	-0.298526791 (0.886650135)	0.956161828 (0.546660149)	0.384137408 (0.402304066)	0.518839082 (0.337176834)	0.761844513 (4.145907608)
Tone2:PrevTone4:NextTone3	-130.445171628 (76.056857744)	-22.34120479 (28.935953658)	-15.653399469 (9.959179275)	-18.046892663 (6.514029995)	-1.125402068 (0.619918904)	0.320388451 (0.382208384)	0.454342665 (0.281279013)	-0.080648371 (0.37544015)	-1.306315763 (2.898625654)
Tone3:PrevTone4:NextTone3	-434.305449428 (197.196535437)	-50.966851502 (71.075093605)	-24.653277618 (24.5587993)	-15.973089883 (16.063244243)	-1.374454068 (1.528684587)	-1.376364886 (0.942503974)	-0.204587525 (0.693617726)	0.511148296 (0.581331048)	7.497556938 (7.147851765)
Tone4:PrevTone4:NextTone3	-76.230953939 (74.548246264)	-47.120828856 (27.840669844)	-13.569935092 (9.589590451)	-11.021631664 (6.272292289)	-0.948301276 (0.596914039)	-0.269595582 (0.368024836)	0.104437895 (0.270840882)	0.180001409 (0.226995665)	-1.058199604 (2.791056537)
Tone5:PrevTone4:NextTone3	2.037525542 (95.143467001)	0.052742736 (36.594214768)	7.841284156 (12.649536313)	7.718306075 (8.273713568)	0.577925637 (0.787376713)	0.333092121 (0.48545371)	-0.031444445 (0.357260363)	0.395461052 (0.299425077)	-2.906547629 (3.681652605)
Tone2:PrevTone5:NextTone3	-146.575702114 (66.078714258)	-8.407158563 (24.987609217)	-19.603138148 (8.584890408)	-2.541577491 (5.615145144)	-1.263956859 (0.534375316)	0.092153596 (0.329466855)	0.644690568 (0.242464909)	-0.209150852 (0.203213352)	-1.962693297 (2.498638567)
Tone3:PrevTone5:NextTone3	-441.063988936 (195.739765647)	23.498294298 (70.449716897)	-25.486092232 (24.341235987)	-11.212744585 (15.920943865)	-1.562894065 (1.515144106)	-1.24886869 (0.934155668)	0.077013853 (0.687473949)	0.220254411 (0.576181861)	5.044002196 (7.084530414)
Tone4:PrevTone5:NextTone3	-138.021367473 (65.118127942)	-25.395619013 (24.009315879)	-10.128767096 (8.25394977)	-9.041270492 (5.398682551)	-0.698732573 (0.513771835)	-0.384329424 (0.316763819)	0.309983357 (0.233116338)	-0.10695668 (0.195378172)	-3.40008187 (2.402317175)
Tone2:PrevTone1:NextTone4	-30.23491763 (76.712125329)	-36.198347038 (29.214654491)	-19.423836208 (10.057521939)	-6.492673761 (6.578353553)	-0.723487738 (0.626040594)	0.055349328 (0.385982688)	0.491918147 (0.284056639)	-0.117678119 (0.238071984)	-1.772901725 (2.927248321)
Tone3:PrevTone1:NextTone4	-350.957033459 (208.793040595)	14.404729287 (75.890434979)	-35.537137698 (26.238351754)	-14.185089627 (17.161800757)	-1.666659564 (1.633237038)	-1.354040879 (1.006965413)	0.044294939 (0.741056862)	0.749903445 (0.621090485)	3.858423011 (7.636687557)
Tone4:PrevTone1:NextTone4	-43.013446166 (78.005156323)	-14.683320294 (29.215898605)	-8.982819022 (10.067234366)	-12.01425792 (6.584704492)	-0.639148903 (0.626643614)	-0.625746454 (0.386354459)	0.03670446 (0.284330215)	0.038265575 (0.238301268)	0.259628817 (2.930074524)
Tone5:PrevTone1:NextTone4	83.918039611 (94.206425649)	37.437853915 (36.381862959)	-5.284876175 (12.587894043)	-0.860724557 (8.233374242)	-0.62822598 (0.783518893)	0.457626067 (0.483074968)	0.293129178 (0.355509752)	0.360497394 (0.297957836)	-2.137424172 (3.663706213)
Tone2:PrevTone2:NextTone4	-22.589250393 (77.049667879)	-31.748080096 (29.329669053)	-25.700311015 (10.097083293)	-12.715306146 (6.604230708)	-0.905034619 (0.628504496)	0.420183078 (0.387501776)	0.702640008 (0.285174582)	-0.126169543 (0.23900895)	-3.537442127 (2.938762968)
Tone3:PrevTone2:NextTone4	-277.491839746 (197.335252507)	28.024198196 (71.172736707)	-28.452751253 (24.59302772)	-26.649413064 (16.085639859)	-1.599168558 (1.530823205)	-1.042464428 (0.943822613)	-0.081610776 (0.694588149)	0.513623499 (0.582144384)	6.967327021 (7.157815883)
Tone4:PrevTone2:NextTone4	2.379701101 (75.718117411)	-31.54772771 (28.30578786)	-16.55853792 (9.751407756)	-9.40902412 (6.378132898)	-0.771379851 (0.606986858)	-0.511720523 (0.374235193)	0.098543201 (0.275411276)	-0.043120396 (0.230826179)	-0.938398341 (2.838153559)
Tone5:PrevTone2:NextTone4	160.116042105 (103.644867934)	-3.575771367 (39.78795432)	6.634636511 (13.751794128)	-1.887783321 (8.994626474)	-1.272872844 (0.855940909)	0.424898118 (0.527726165)	0.15575069 (0.388369969)	0.243978943 (0.325498419)	-2.448750541 (4.002454708)
Tone2:PrevTone3:NextTone4	-68.606496225 (79.211414934)	-40.62255321 (30.177004457)	-13.247235947 (6.798911801)	-17.105202247 (0.647031706)	-0.606380631 (0.398924679)	0.230319204 (0.939824679)	0.680748703 (0.293581039)	-0.142805043 (0.246054523)	1.914502157 (3.025392323)
Tone3:PrevTone3:NextTone4	-306.661758447 (198.529590351)	-7.698696714 (71.420411251)	-17.301957711 (24.676740531)	-15.176154255 (16.140387481)	-1.000522812 (1.536027041)	-1.379112465 (0.947030943)	-0.276483423 (0.696949262)	0.20245597 (0.584123257)	11.405043241 (7.182178984)

Covariate Name	wFPC1	wFPC2	wFPC3	wFPC4	sFPC1	sFPC2	sFPC3	sFPC4	Duration
Tone4:PrevTone3:NextTone4	-40.133207456 (78.860007232)	-11.00605412 (29.546094247)	-17.220746245 (10.183555968)	-12.027563455 (6.660790061)	-0.758080638 (0.633886931)	-0.442151029 (0.390820323)	0.088601604 (0.287616777)	-0.082833646 (0.241055787)	-0.032963708 (2.963930615)
Tone5:PrevTone3:NextTone4	110.658844332 (105.843806861)	-10.298173735 (40.6391677)	0.162162628 (14.051001069)	-4.75739041 (9.190359148)	-0.589146387 (0.874597016)	0.988108355 (0.539228853)	0.405019921 (0.396835137)	0.532441425 (0.332593245)	0.275892612 (4.089546124)
Tone2:PrevTone4:NextTone4	-93.88932419 (75.073581735)	-23.112887314 (28.563505039)	-15.158578005 (9.830624497)	-18.522000434 (6.429946137)	-0.722415803 (0.611917332)	0.198377411 (0.377275055)	0.464037767 (0.277648424)	-0.136559984 (0.232701167)	-0.110270924 (2.861209784)
Tone3:PrevTone4:NextTone4	-408.294691194 (196.811983429)	-61.071554331 (70.97258391)	-22.710040927 (24.525213391)	-13.119582323 (16.041273911)	-0.934678433 (1.526591224)	-1.585387199 (0.94121329)	-0.164422894 (0.69266787)	0.365512476 (0.580534956)	9.636411601 (7.138075844)
Tone4:PrevTone4:NextTone4	-42.207879431 (73.517581717)	-46.801328092 (27.44667953)	-12.850735273 (9.454708868)	-9.801315201 (6.184069799)	-0.823442376 (0.588517872)	-0.650582522 (0.362848208)	-0.019792717 (0.267031241)	0.102340868 (0.223802749)	0.734766615 (2.751799114)
Tone5:PrevTone4:NextTone4	15.511113946 (93.448602592)	17.884774587 (35.904738634)	5.32752814 (12.40933123)	10.82622568 (8.116603532)	0.056694351 (0.772426418)	0.367746721 (0.476236182)	0.035408188 (0.350476895)	0.333280835 (0.293739755)	-3.321740748 (3.611741366)
Tone2:PrevTone5:NextTone4	-131.953255699 (63.883143014)	-30.260746081 (24.175507451)	-10.408694562 (8.309575369)	-4.241681017 (5.435069456)	-0.832405711 (0.517238623)	0.06471178 (0.318901304)	0.611935162 (0.234689384)	-0.2262307 (0.196696573)	-1.213273024 (2.418507939)
Tone3:PrevTone5:NextTone4	-426.177823833 (195.191480488)	-45.526271731 (70.289592405)	-21.186116021 (24.288370105)	-6.914174611 (15.886365439)	-0.966469045 (1.511853134)	-1.464235992 (0.932126629)	-0.045788932 (0.685980713)	0.11453503 (0.574930358)	6.58385653 (7.069143619)
Tone4:PrevTone5:NextTone4	-111.738487436 (63.216807224)	-43.172293223 (23.265095837)	-9.307495867 (7.999438742)	-8.10887583 (5.232212425)	-0.425526873 (0.497927983)	-0.64654656 (0.306995306)	0.179914302 (0.225927383)	-0.116513106 (0.189353002)	-1.573735385 (2.328241213)
Tone2:PrevTone1:NextTone5	14.570168547 (58.292373426)	-35.85017104 (22.494855633)	-8.038354201 (7.76557996)	-1.446165253 (5.079256786)	-0.517213117 (0.483377153)	0.180020448 (0.298024149)	0.050620403 (0.219325191)	-0.208343386 (0.183819623)	-5.138122176 (2.260176484)
Tone3:PrevTone1:NextTone5	-246.480829337 (207.985796774)	35.618053805 (75.58681054)	-31.722937527 (26.135229109)	-8.673141896 (17.094348293)	-2.232935139 (1.626815259)	-1.240029537 (1.003006063)	-0.123322907 (0.738143052)	0.857256611 (0.618648375)	5.565268694 (7.606672921)
Tone4:PrevTone1:NextTone5	4.972069687 (58.622788257)	18.429917772 (22.639748443)	-5.318018776 (7.819719311)	-6.144174999 (5.114663005)	-0.557590273 (0.486742135)	0.041427417 (0.300098762)	-0.041788931 (0.220851956)	-0.004840684 (0.18509922)	-0.703086277 (2.275932459)
Tone5:PrevTone1:NextTone5	-71.921383633 (105.930584339)	62.432473436 (41.050266984)	-15.110267617 (14.1956426)	-6.876431665 (9.284966258)	-1.527558088 (0.883601755)	0.354971755 (0.544780714)	0.085183392 (0.400920963)	-0.041266906 (0.336017646)	-4.301538501 (4.131643598)
Tone2:PrevTone2:NextTone5	22.707360626 (58.849060069)	-47.304167155 (22.693513685)	-8.042668068 (7.834729454)	-7.101862452 (5.124485716)	-0.714777242 (0.487681484)	0.524520785 (0.300677965)	0.207019603 (0.221278213)	-0.300890296 (0.185456478)	-7.25193597 (2.280302534)
Tone3:PrevTone2:NextTone5	-191.239606545 (196.312315237)	43.619376773 (70.77752575)	-19.489078539 (24.458585905)	-19.008122565 (15.997703885)	-1.80677608 (1.522453501)	-1.124621363 (0.938662294)	-0.273064 (0.690790508)	0.547902592 (0.578961524)	10.188079327 (7.118686154)
Tone4:PrevTone2:NextTone5	27.768011651 (55.551450684)	-4.568092912 (21.451459429)	-14.099761153 (7.408329332)	-3.240588947 (4.845587554)	-0.568048823 (0.461138408)	0.104361242 (0.284312929)	-0.078417999 (0.209234676)	-0.069434335 (0.175362614)	-1.574552986 (2.156198087)
Tone5:PrevTone2:NextTone5	-28.088469285 (160.1542092)	62.061584205 (11.414620378)	0.342441421 (21.470939303)	13.654264116 (14.043523839)	-0.932960477 (1.336445401)	1.077869952 (0.823979411)	-0.418515023 (0.606391871)	0.046477673 (0.508225773)	-3.24783409 (6.249117957)
Tone2:PrevTone3:NextTone5	-18.422763836 (62.652686633)	-12.809741239 (24.141247156)	-3.176041056 (8.33611618)	-11.158866772 (5.452427989)	-0.406410408 (0.518889921)	0.466286499 (0.319919388)	0.055720203 (0.23543857)	-0.186578697 (0.197324478)	-0.010300917 (2.426231045)
Tone3:PrevTone3:NextTone5	-210.462857584 (197.82647592)	-1.536484714 (71.148507247)	-7.503856526 (24.583658273)	-9.58494379 (16.079499754)	-1.349023832 (1.530227844)	-1.40649572 (0.94345542)	-0.411077115 (0.694317924)	0.194481871 (0.581917888)	14.413285062 (7.155086042)
Tone4:PrevTone3:NextTone5	13.78384634 (60.151816566)	30.811033614 (23.184692633)	-19.39686113 (8.007562948)	-4.830644441 (5.237529182)	-0.916458513 (0.498437193)	0.163907749 (0.307309323)	-0.110937704 (0.22615843)	-0.118415704 (0.189546655)	0.216810234 (2.330605152)
Tone5:PrevTone3:NextTone5	-20.825244265 (115.302802007)	17.005647108 (44.536362645)	-6.675044116 (15.40038947)	-10.128691204 (10.072956945)	-1.135140006 (0.958591373)	0.739234248 (0.591015238)	0.306388162 (0.434946371)	0.154665326 (0.364534832)	-1.343458284 (4.482285475)
Tone2:PrevTone4:NextTone5	-37.793233043 (56.101267555)	-20.152929635 (21.624550206)	-10.307648122 (4.880965079)	-12.014054244 (0.464505914)	-0.28067047 (0.286389161)	0.197356151 (0.210762648)	-0.072947866 (0.17664323)	-0.200692723 (0.17664323)	-3.427820428 (2.171940451)
Tone3:PrevTone4:NextTone5	-308.733882066 (195.705737667)	-37.575242123 (70.540393872)	-16.442308963 (24.377357694)	-7.066575458 (15.9445613)	-1.333134505 (1.517383473)	-1.659964434 (0.935536245)	-0.345854306 (0.688489956)	0.376650067 (0.57703338)	11.270451399 (7.095041279)
Tone4:PrevTone4:NextTone5	-7.445759448 (52.476550591)	-6.421445351 (20.260958646)	-8.859514023 (6.994663717)	-2.247653866 (4.575019707)	-0.555151685 (0.435388849)	-0.009906368 (0.268437142)	-0.144767797 (0.197551199)	0.057638828 (0.165570522)	-0.418951552 (2.035800459)
Tone3:PrevTone5:NextTone5	-281.071952933 (194.38917004)	8.878909712 (69.994901719)	-20.072601192 (24.192016208)	1.523305446 (15.823339938)	-0.473845409 (1.505852541)	-1.222182671 (0.928426958)	-0.432418546 (0.683258002)	0.303681843 (0.57264841)	9.767803932 (7.041098865)