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Appendix

Appendix I

I-1 Stimulus list of Lili Wu Chinese in Chapter 3

MC tonal category	Unaspirated (U)	Aspirated (A)	Voiced (D)
Ping (I)	低 tɻ 'low'	梯 tʰɻ 'ladder'	提 dɻ 'to mention'
	单 tɛ 'sole'	瘫 tʰɛ 'paralysis'	台 dɛ 'platform'
	刀 tɑ 'knife'	涛 tʰɑ 'billow'	桃 dɑ 'peach'
Shang (II)	底 tɻ 'bottom'	体 tʰɻ 'body'	弟 dɻ 'younger brother'
	胆 tɛ 'gallbladder'	毯 tʰɛ 'mat'	淡 dɛ 'light'
	岛 tɑ 'island'	讨 tʰɑ 'to ask for'	稻 dɑ 'rice'
Qu (III)	滴 tɻʔ 'to drop'	替 tʰɻ 'to replace'	地 dɻ 'ground'
	对 tɛ 'right'	退 tʰɛ 'to retreat'	代 dɛ 'dynasty'
	到 tɑ 'to arrive'	套 tʰɑ 'case'	盗 dɑ 'robber'
Ru (IV)	滴 tɪʔ 'drop'	贴 tʰɪʔ 'to paste'	敌 dɪʔ 'enemy'
	得 tʌʔ 'to get'	脱 tʰʌʔ 'to take off'	特 dʌʔ 'specially'
	搭 taʔ 'and'	塔 tʰaʔ 'pagoda'	达 daʔ 'to extend'

I-2 Final models to calculate the results presented in Table 3.4

Generation-Category	Fixed structure	Random structure
Old-I&II; Middle-I;	(ot1 + ot2) * Consonant + Vowel + Repetition + Gender	(ot1 + ot2 | Speaker) + (ot1 + ot2 | Speaker: Consonant) + (ot1+ ot2 | Item)
Young-I	(ot1 + ot2) * Consonant + Vowel + Repetition + Gender	(ot1 + ot2 | Speaker) + (ot1 + ot2 | Speaker: Consonant)
Middle-II; Young-III	(ot1 + ot2) * Consonant + Vowel + Repetition	(ot1 + ot2 | Speaker) + (ot1 + ot2 | Speaker: Consonant) + (ot1 | Item)
Young-II; Old-III; Middle-IV; Young-IV	(ot1 + ot2) * Consonant + Vowel + Repetition	(ot1 + ot2 | Speaker) + (ot1 + ot2 | Speaker: Consonant) + (ot1+ ot2 | Item)
Middle-III	(ot1 + ot2) * Consonant + Vowel	(ot1 + ot2 | Speaker) + (ot1 | Speaker: Consonant) + (1 | Item)
Old-IV	(ot1 + ot2) * Consonant + Vowel	(ot1+ ot2 | Speaker) + (ot1 + ot2 | Speaker: Consonant) + (ot1 + ot2 | Item)

I-3a Final models to calculate the results presented in Table 3.5

Generation	Fixed structure	Random structure
Old & Middle-aged	Category + Vowel + Repetition	(1 + Category | Speaker) + (1 | Item)
Young	Category + Vowel	(1 + Category | Speaker) + (1 | Item)

I-3b Between-Category comparisons of the DOR/DOS ratio by Generation

A mixed model fitted to the DOR/DOS ratio with fixed factors Category, Generation, and their interaction was run. The random intercept for Speaker was also included. This was the maximal model which converged. Following the method used in Kirby (2018) and Kirby and Hyslop (2019), pairwise comparisons of the marginal means estimate were calculated using the *emmeans* function (Lenth, 2020). Fractional degrees of freedom computed using the Satterthwaite method, with *p*-values adjusted using the Tukey method for comparing a family of 4 estimates. n.s.: not significant.

Contrast	Estimate	*SE*	*df*	*t*-ratio	*p*
Generation: Old					
I – II	.02	.01	1379	2.24	n.s.
I – III	.02	.01	1379	1.69	n.s.
I – IV	−0.12	.01	1379	−13.18	< .001
II – III	−0.01	.01	1379	−0.55	n.s.
II – IV	−0.14	.01	1379	−15.44	< .001
III – IV	−0.14	.01	1379	−14.9	< .001
Generation: Middle-aged					
I – II	.01	.01	1379	.11	n.s.
I – III	.01	.01	1379	1.6	n.s.
I – IV	−0.11	.01	1379	−12.15	< .001
II – III	.01	.01	1379	1.5	n.s.
II – IV	−0.11	.01	1379	−12.26	< .001
III – IV	−0.12	.01	1379	−13.75	< .001
Generation: Young					
I – II	.02	.01	1379	1.68	n.s.
I – III	.01	.01	1379	.62	n.s.
I – IV	−0.06	.01	1379	−6.21	< .001
II – III	−0.01	.01	1379	−1.06	n.s.
II – IV	−0.07	.01	1379	−7.89	< .001
III – IV	−0.06	.01	1379	−6.83	< .001

I-4a Final models to calculate the results presented in Table 3.7

Generation-Category-Position	Fixed structure	Random structure
Old-I-P1	Consonant + Vowel	(1 | Speaker) + (1 | Item)
Old-I-P2; Middle-I-P1; Middle-IV-P1	Consonant + Vowel	(1 | Speaker)
Middle-I-P2; Young-I-P1; Young-III-P1	Consonant + Gender	(1 | Speaker)
Old-II-P1; Middle-II-P1	Consonant	(1 | Speaker) + (1 | Item)
Young-II-P1	Consonant + Gender	(1 | Speaker) + (1 | Item)
Middle-II-P2	Consonant + Vowel + Gender	(1 | Speaker) + (1 | Item)
Old-III-P1&P2; Old-IV-P1	Consonant + Vowel	(1 + Consonant | Speaker)
Middle-III-P1	Consonant + Vowel	(1 + Consonant | Speaker) + (1 | Item)
Middle-III-P2	Consonant + Vowel + Gender	(1 + Consonant | Speaker)
Old-IV-P2	Consonant + Vowel + Repetition	(1 + Consonant | Speaker)
Young-IV-P1	Consonant + Vowel + Gender	(1 | Speaker)
Others	Consonant did not significantly improve the model fit.	

I-4b Between-Consonant comparisons of H1*–H2* by Generation, Category, and Position

A mixed model fitted to H1*–H2* with fixed factors Consonant, Generation, Category, and their full-fledged interactions was run. The random intercept for Speaker was also included. This was the maximal model which converged. Pairwise comparisons of the marginal means estimate were calculated with fractional degrees of freedom computed using the Satterthwaite method. The *p*-values were adjusted using the Tukey method for comparing a family of 3 estimates. n.s.: not significant.

Contrast	Estimate	*SE*	*df*	*t*-ratio	*p*
Generation: Old, Category: I, Position: 1					
A – U	2.63	.49	12891	5.34	< .001
A – D	−0.74	.49	12891	−1.51	n.s.
U – D	−3.37	.49	12891	−6.85	< .001
Generation: Middle-aged, Category: I, Position: 1					
A – U	1.37	.49	12891	2.79	< .001
A – D	−0.74	.49	12891	−1.11	n.s.
U – D	−3.37	.49	12891	−3.9	< .001
Generation: Young, Category: I, Position: 1					
A – U	2.17	.49	12891	4.41	< .001
A – D	1.85	.49	12891	3.76	< .001
U – D	−0.32	.49	12891	−0.65	n.s.
Generation: Old, Category: II, Position: 1					
A – U	2.04	.49	12891	4.13	< .001
A – D	−0.04	.49	12891	−0.07	n.s.
U – D	−2.08	.49	12891	−4.21	< .001
Generation: Middle-aged, Category: II, Position: 1					
A – U	2.85	.49	12891	5.79	<.001
A – D	.39	.49	12891	.79	n.s.
U – D	−2.46	.49	12891	−5.01	< .001
Generation: Young, Category: II, Position: 1					
A – U	1.89	.49	12891	3.84	< .001
A – D	2.41	.49	12891	4.89	< .001
U – D	.52	.49	12891	1.05	n.s.
Generation: Old, Category: III, Position: 1					
A – U	2.12	.49	12891	4.31	< .001
A – D	−0.72	.49	12891	−1.47	n.s.
U – D	−2.84	.49	12891	−5.77	< .001

Continued.

Generation: Middle-aged, Category: III, Position: 1					
A – U	2.16	.49	12891	4.39	< .001
A – D	−0.05	.49	12891	−0.1	n.s.
U – D	−2.21	.49	12891	−4.5	< .001
Generation: Young, Category: III, Position: 1					
A – U	1.67	.49	12891	3.39	< .01
A – D	1.36	.49	12891	2.77	< .05
U – D	−0.3	.49	12891	−0.62	n.s.
Generation: Old, Category: IV, Position: 1					
A – U	4.75	.49	12891	9.65	< .001
A – D	3.12	.49	12891	6.34	< .001
U – D	−1.63	.49	12891	−3.31	n.s.
Generation: Middle-aged, Category: IV, Position: 1					
A – U	3.81	.49	12891	7.73	< .001
A – D	2.97	.49	12891	6.03	< .001
U – D	−0.84	.49	12891	−1.72	n.s.
Generation: Young, Category: IV, Position: 1					
A – U	3.3	.49	12891	6.7	< .001
A – D	4.3	.49	12891	8.74	< .001
U – D	1	.49	12891	2	n.s.
Generation: Old, Category: I, Position: 2					
A – U	1.05	.49	12891	2.14	n.s.
A – D	−0.51	.49	12891	−1.04	n.s.
U – D	−1.56	.49	12891	−3.18	< .01
Generation: Middle-aged, Category: I, Position: 2					
A – U	.59	.49	12891	1.2	n.s.
A – D	−0.87	.49	12891	−1.77	n.s.
U – D	−1.46	.49	12891	−2.97	< .01
Generation: Young, Category: I, Position: 2					
A – U	.84	.49	12891	1.71	n.s.
A – D	.51	.49	12891	1.04	n.s.
U – D	−0.33	.49	12891	−0.68	n.s.
Generation: Old, Category: II, Position: 2					
A – U	.84	.49	12891	1.7	n.s.
A – D	−0.2	.49	12891	−0.41	n.s.
U – D	−1.04	.49	12891	−2.1	n.s.
Generation: Middle-aged, Category: II, Position: 2					
A – U	1.52	.49	12891	3.08	< .01
A – D	.25	.49	12891	.51	n.s.
U – D	−1.26	.49	12891	−2.57	< .05
Generation: Young, Category: II, Position: 2					

Continued.

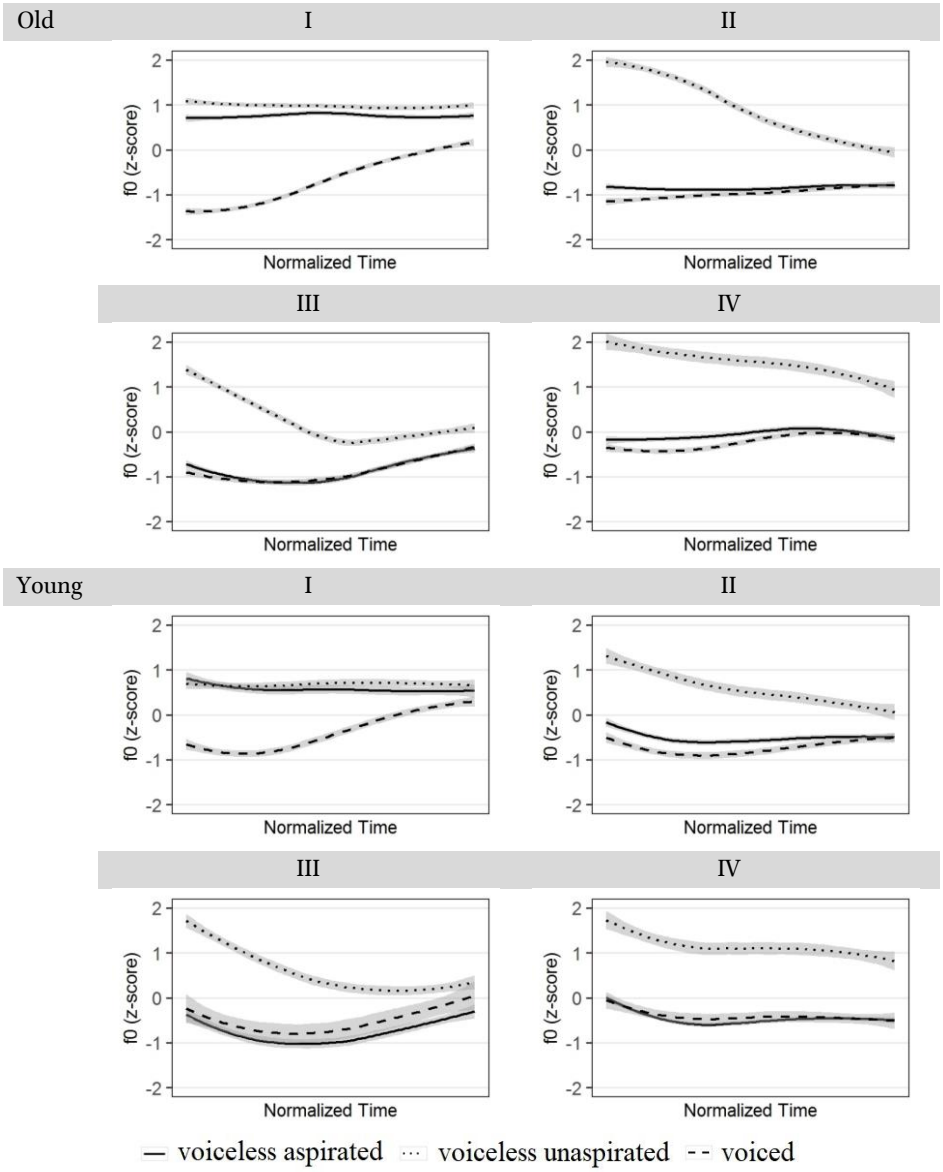
A – U	.68	.49	12891	1.37	n.s.
A – D	.05	.49	12891	1.02	n.s.
U – D	−0.17	.49	12891	−0.35	n.s.
Generation: Old, Category: III, Position: 2					
A – U	1.16	.49	12891	2.35	n.s.
A – D	−0.38	.49	12891	−0.77	n.s.
U – D	−1.54	.49	12891	−3.12	< .01
Generation: Middle-aged, Category: III, Position: 2					
A – U	1.06	.49	12891	2.15	n.s.
A – D	−0.55	.49	12891	−1.12	n.s.
U – D	−1.61	.49	12891	−3.27	< .01
Generation: Young, Category: III, Position: 2					
A – U	1.01	.49	12891	2.21	n.s.
A – D	1.02	.49	12891	2.07	n.s.
U – D	−0.07	.49	12891	−0.15	n.s.
Generation: Old, Category: IV, Position: 2					
A – U	1.12	.49	12891	2.27	n.s.
A – D	.94	.49	12891	1.9	n.s.
U – D	−0.18	.49	12891	−0.37	n.s.
Generation: Middle-aged, Category: IV, Position: 2					
A – U	.89	.49	12891	1.81	n.s.
A – D	.62	.49	12891	1.25	n.s.
U – D	−0.27	.49	12891	−0.55	n.s.
Generation: Young, Category: IV, Position: 2					
A – U	.89	.49	12891	1.8	n.s.
A – D	.83	.49	12891	1.69	n.s.
U – D	−0.05	.49	12891	−0.11	n.s.
Generation: Old, Category: I, Position: 3					
A – U	.53	.49	12891	1.08	n.s.
A – D	−0.06	.49	12891	−0.12	n.s.
U – D	−0.59	.49	12891	−1.2	n.s.
Generation: Middle-aged, Category: I, Position: 3					
A – U	.22	.49	12891	.46	n.s.
A – D	−0.39	.49	12891	−0.79	n.s.
U – D	−0.61	.49	12891	−1.24	n.s.
Generation: Young, Category: I, Position: 3					
A – U	.71	.49	12891	1.45	n.s.
A – D	.43	.49	12891	.86	n.s.
U – D	−0.29	.49	12891	−0.59	n.s.
Generation: Old, Category: II, Position: 3					
A – U	.69	.49	12891	1.39	n.s.

Continued.

A – D	.01	.49	12891	.01	n.s.
U – D	−0.68	.49	12891	−1.38	n.s.
Generation: Middle-aged, Category: II, Position: 3					
A – U	.88	.49	12891	1.79	n.s.
A – D	.08	.49	12891	.16	n.s.
U – D	−0.8	.49	12891	−1.63	n.s.
Generation: Young, Category: II, Position: 3					
A – U	.76	.49	12891	1.54	n.s.
A – D	.51	.49	12891	1.03	n.s.
U – D	−0.25	.49	12891	−0.5	n.s.
Generation: Old, Category: III, Position: 3					
A – U	.53	.49	12891	1.08	n.s.
A – D	.36	.49	12891	.74	n.s.
U – D	−0.17	.49	12891	−0.34	n.s.
Generation: Middle-aged, Category: III, Position: 3					
A – U	.25	.49	12891	.5	n.s.
A – D	−0.89	.49	12891	−1.8	n.s.
U – D	−1.13	.49	12891	−2.3	n.s.
Generation: Young, Category: III, Position: 3					
A – U	.58	.49	12891	1.19	n.s.
A – D	.63	.49	12891	1.28	n.s.
U – D	.04	.49	12891	.09	n.s.
Generation: Old, Category: IV, Position: 3					
A – U	−0.29	.49	12891	−0.59	n.s.
A – D	.56	.49	12891	1.13	n.s.
U – D	.85	.49	12891	1.72	n.s.
Generation: Middle-aged, Category: IV, Position: 3					
A – U	.21	.49	12891	.43	n.s.
A – D	.23	.49	12891	.46	n.s.
U – D	.01	.49	12891	.03	n.s.
Generation: Young, Category: IV, Position: 3					
A – U	.52	.49	12891	1.05	n.s.
A – D	.54	.49	12891	1.1	n.s.
U – D	.02	.49	12891	.05	n.s.

I-5 Acoustic data of Section 3.4

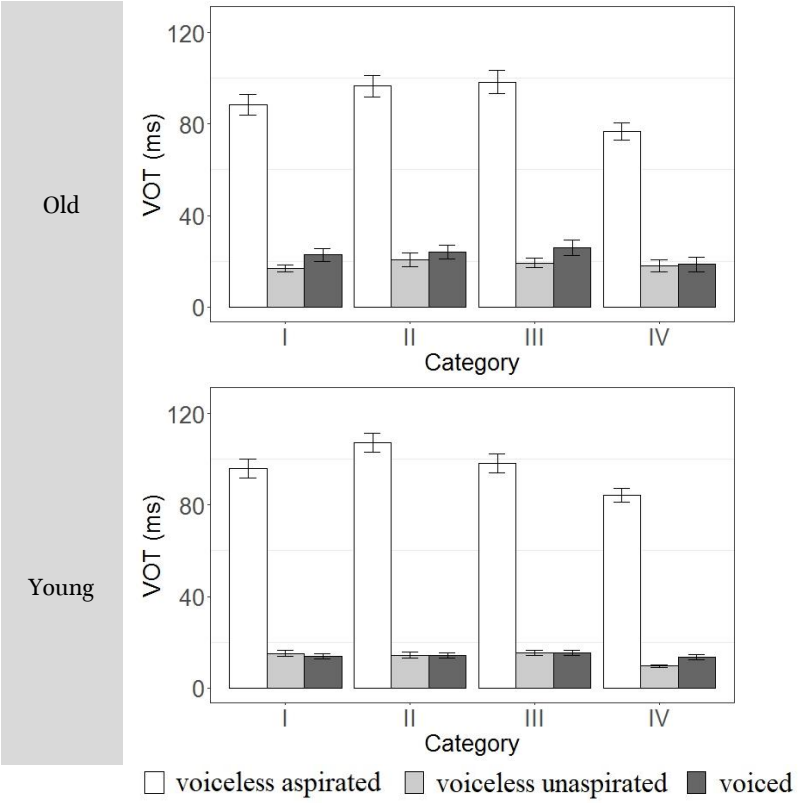
a. *f0* contour



The general pattern of the *f0* contours is similar to the results reported in Section 3.3.6.1. That is, tonal split is absent in the MC *Ping* (I) tonal category. In the other

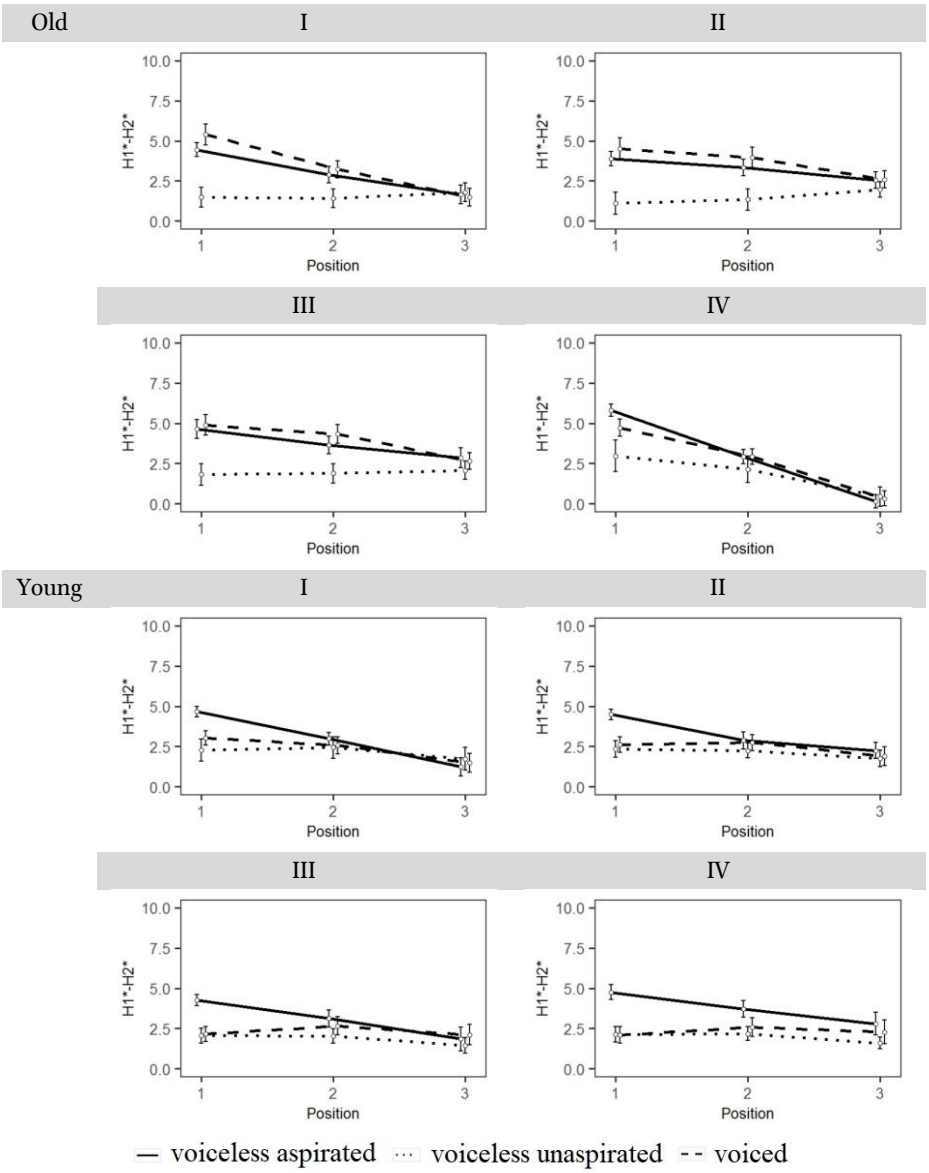
three tonal contexts (i.e., MC *Shang* II, *Qu* III, and *Ru* IV), the *f0* contours beginning with voiceless aspirated and voiced onsets merge. This pattern holds across generations.

b. VOT



In terms of VOT, the three-way laryngeal contrast in Lili Wu Chinese features a two-way distinction (i.e., short lag vs. long lag). The voiceless aspirated onsets have longer VOT values than the other two counterparts. The voiceless unaspirated and voiced onsets have similar short VOT values. None of the voiced onsets are realized with a lead VOT. This pattern holds across generations and is similar to the results reported in Section 2.3 as well as most Northern Wu dialects (Cao & Maddieson, 1992; Ren, 1992; Gao, 2015).

c. H1*-H2*



The general pattern of the H1*-H2* values is similar to the results reported in Section 3.3.6.3. First, a consistently higher H1*–H2* over one-third of vowels (Position 1) after aspirated onsets is observed. This pattern holds across generations. Second, all phonatory contrasts seem to vanish after the midpoint

(Position 2). This pattern again holds across generations. Third, across all MC tonal categories, the old-generation speakers show more comparable patterns of H1*–H2* of vowels after voiced and aspirated onsets, whereas the young-generation speakers show a minimized H1*–H2* difference, especially after voiced and unaspirated onsets.

I-6a Final models to calculate the results presented in Table 3.9

Generation-Category-Position	Fixed structure	Random structure
Old-I&III-P1	Consonant + Vowel	(1 | Speaker)
Young-I-P1	Consonant + Vowel	(1 + Consonant | Speaker)
Old-II-P1	Consonant + Vowel + Gender	(1 | Speaker)
Young-II-P1	Consonant + Vowel	(1 + Consonant | Speaker) + (1 | Item)
Young-III-P1	Consonant + Gender	(1 + Consonant | Speaker)
Old&Young-IV-P1	Consonant	(1 + Consonant | Speaker)
Young-IV-P2	Consonant + Vowel	(1 + Consonant | Speaker)
Others	Consonant did not significantly improve the model fit.	

I-6b Between-Consonant comparisons of CQ by Generation, Category, and Position

A mixed model fitted to CQ with fixed factors Consonant, Generation, Category, and their full-fledged interactions was run. The random intercept for Speaker was also included. This was the maximal model which converged. Pairwise comparisons of the marginal means estimate were calculated with fractional degrees of freedom computed using the Satterthwaite method. The *p*-values were adjusted using the Tukey method for comparing a family of 3 estimates. n.s.: not significant.

Contrast	Estimate	*SE*	*df*	*t*-ratio	*p*
Generation: Old, Category: I, Position: 1					
A – U	−0.05	.01	4090	−4.16	< .001
A – D	.01	.01	4090	1.02	n.s.
U – D	.06	.01	4090	5.23	< .001
Generation: Young, Category: I, Position: 1					
A – U	−0.04	.01	4090	−3.47	< .01
A – D	−0.04	.01	4090	−3.24	< .01
U – D	.01	.01	4090	.24	n.s.
Generation: Old, Category: II, Position: 1					
A – U	−0.07	.01	4090	−6.11	< .001
A – D	.01	.01	4090	.05	n.s.
U – D	.07	.01	4090	6.18	< .001
Generation: Young, Category: II, Position: 1					
A – U	−0.06	.01	4090	−5.26	< .001
A – D	−0.04	.01	4090	−3.53	< .01
U – D	.02	.01	4090	1.71	n.s.
Generation: Old, Category: III, Position: 1					
A – U	−0.05	.01	4090	−4.07	< .001
A – D	.01	.01	4090	.29	n.s.
U – D	.05	.01	4090	4.37	< .001
Generation: Young, Category: III, Position: 1					
A – U	−0.06	.01	4090	−4.85	< .001
A – D	−0.05	.01	4090	−4.51	< .001
U – D	.01	.01	4090	.36	n.s.
Generation: Old, Category: IV, Position: 1					
A – U	−0.09	.01	4090	−7.39	< .001
A – D	.01	.01	4090	.59	n.s.
U – D	.09	.01	4090	7.98	< .001

Continued.

Generation: Young, Category: IV, Position: 1					
A – U	−0.08	.01	4090	−6.64	< .001
A – D	−0.07	.01	4090	−6.33	< .001
U – D	.01	.01	4090	.28	n.s.
Generation: Old, Category: I, Position: 2					
A – U	.01	.01	4090	.83	n.s.
A – D	.02	.01	4090	1.76	n.s.
U – D	.01	.01	4090	.94	n.s.
Generation: Young, Category: I, Position: 2					
A – U	−0.01	.01	4090	−0.08	n.s.
A – D	−0.02	.01	4090	−1.33	n.s.
U – D	−0.01	.01	4090	−1.25	n.s.
Generation: Old, Category: II, Position: 2					
A – U	.01	.01	4090	.49	n.s.
A – D	.01	.01	4090	.38	n.s.
U – D	−0.01	.01	4090	−0.12	n.s.
Generation: Young, Category: II, Position: 2					
A – U	−0.01	.01	4090	−1.16	n.s.
A – D	−0.01	.01	4090	−0.34	n.s.
U – D	.01	.01	4090	.83	n.s.
Generation: Old, Category: III, Position: 2					
A – U	−0.01	.01	4090	−0.89	n.s.
A – D	.01	.01	4090	.27	n.s.
U – D	.01	.01	4090	1.16	n.s.
Generation: Young, Category: III, Position: 2					
A – U	−0.02	.01	4090	−1.37	n.s.
A – D	−0.01	.01	4090	−0.76	n.s.
U – D	.01	.01	4090	.61	n.s.
Generation: Old, Category: IV, Position: 2					
A – U	−0.03	.01	4090	−2.37	< .05
A – D	.01	.01	4090	.85	n.s.
U – D	.04	.01	4090	3.21	<.01
Generation: Young, Category: IV, Position: 2					
A – U	−0.05	.01	4090	−4.37	< .001
A – D	−0.03	.01	4090	−2.75	< .05
U – D	.02	.01	4090	1.6	n.s.
Generation: Old, Category: I, Position: 3					
A – U	.01	.01	4090	.62	n.s.
A – D	.01	.01	4090	1.11	n.s.
U – D	.01	.01	4090	.49	n.s.
Generation: Young, Category: I, Position: 3					

Continued.

A – U	.01	.01	4090	.39	n.s.
A – D	.01	.01	4090	.19	n.s.
U – D	−0.01	.01	4090	−.21	n.s.
Generation: Old, Category: II, Position: 3					
A – U	.01	.01	4090	.46	n.s.
A – D	.01	.01	4090	.3	n.s.
U – D	−0.01	.01	4090	−0.16	n.s.
Generation: Young, Category: II, Position: 3					
A – U	−0.02	.01	4090	−1.45	n.s.
A – D	−0.01	.01	4090	−0.34	n.s.
U – D	.01	.01	4090	1.12	n.s.
Generation: Old, Category: III, Position: 3					
A – U	.01	.01	4090	.23	n.s.
A – D	.01	.01	4090	.43	n.s.
U – D	.01	.01	4090	.18	n.s.
Generation: Young, Category: III, Position: 3					
A – U	−0.01	.01	4090	−0.3	n.s.
A – D	−0.01	.01	4090	−0.79	n.s.
U – D	−0.01	.01	4090	−0.48	n.s.
Generation: Old, Category: IV, Position: 3					
A – U	−0.01	.01	4090	−0.21	n.s.
A – D	.01	.01	4090	.08	n.s.
U – D	.01	.01	4090	.29	n.s.
Generation: Young, Category: IV, Position: 3					
A – U	−0.02	.01	4090	−1.71	n.s.
A – D	−0.01	.01	4090	−1.07	n.s.
U – D	.01	.01	4090	.64	n.s.

Appendix II

II-1 Stimulus list of Shuangfeng Xiang Chinese in Chapter 5

Unaspirated (U)	Aspirated (A)	Voiced (D)
北 pe 'northern'	撇 pʰe 'to put aside'	陪 be 'to accompany'
滴 ti 'drop'	踢 tʰi 'to kick'	题 di 'subject'
得 te 'to gain'	铁 tʰe 'iron'	头 de 'head'
答 ta 'to answer'	塔 tʰa 'pagoda'	桃 dɔ 'peach'
结 ke 'knot'	客 kʰe 'guest'	狂 gɔn 'mad'

II-2 Final models to calculate the results presented in Table 5.2

Generation	Fixed structure	Random structure
Old	(ot1 + ot2) * Consonant + Place + Vowel + Repetition	(1 | Speaker) + (ot1 + ot2 | Speaker: Consonant) + (ot1 + ot2 | Item)
Young	(ot1 + ot2) * Consonant + Place + Vowel	(1 | Speaker) + (ot1 + ot2 | Speaker: Consonant) + (ot1 + ot2 | Item)

II-3a Final models to calculate the results presented in Table 5.7

Generation-Position	Fixed structure	Random structure
Old-P1	Consonant + Gender + Repetition	(1 + Consonant | Speaker)
Old-P2	Consonant + Vowel + Gender	(1 + Consonant | Speaker) + (1 | Item)
Young-P1	Consonant + Vowel	(1 + Consonant | Speaker)
Young-P2	Consonant	(1 + Consonant | Speaker)

II-3b Between-Consonant comparisons of CQ by Generation and Position

A mixed model fitted to CQ with fixed factors Consonant, Generation, Position, and the full-fledged interactions was run. The random intercept for Speaker was also included. This was the maximal model which converged. Pairwise comparisons of the marginal means estimate were calculated with fractional degrees of freedom computed using the Satterthwaite method. The *p*-values were adjusted using the Tukey method for comparing a family of 3 estimates. n.s.: not significant.

Contrast	Estimate	*SE*	*df*	*t*-ratio	*p*
Generation: Old, Position: 1					
A – U	−0.07	.01	3293	−8.96	< .001
A – D	−0.05	.01	3293	−6.81	< .001
U – D	.02	.01	3293	2.16	n.s.
Generation: Young, Position: 1					
A – U	−0.06	.01	3293	−36.46	< .001
A – D	−0.01	.01	3293	−1.43	n.s.
U – D	.05	.01	3293	5.03	< .001
Generation: Old, Position: 2					
A – U	−0.03	.01	3293	−3.32	< .01
A – D	−0.02	.01	3293	−2.57	< .05
U – D	.01	.01	3293	.75	n.s.
Generation: Young, Position: 2					
A – U	−0.02	.01	3293	−2.25	n.s.
A – D	.01	.01	3293	.75	n.s.
U – D	.03	.01	3293	2.99	< .01
Generation: Old, Position: 3					
A – U	.01	.01	3293	.09	n.s.
A – D	−0.01	.01	3293	−0.27	n.s.
U – D	−0.01	.01	3293	−0.35	n.s.
Generation: Young, Position: 3					
A – U	−0.01	.01	3293	−0.91	n.s.
A – D	.01	.01	3293	.19	n.s.
U – D	.01	.01	3293	1.11	n.s.