

Supplementary materials 1–8 to the article:

Monosyllabic speech perception under multi-talker babble for normal adults: a phonological perspective, Mansi Pokiya, Anuj Kumar Neupane, Kristi Kaveri Dutta, J Hear Sci, 2026; 16(2): 35–47, <https://doi.org/10.17430/jhs/224898>

Supplement 1. Acoustic characteristics of monosyllabic words included in List 1 and List 2

No.	Frequency band [Hz]	List 1	F1 bandwidth [Hz]	List 2	F1 bandwidth [Hz]
1	0 to 150	/tʰət/	87.28	/pa:s/	89.76
2		/kutʰ/	11.54	/ne:k/	10.01
3		/ti:n/	28.64	/pəl/	33.32
4		/pʰɪr/	42.03	/le:kʰ/	42.78
5		/guʈ/	51.73	/pe:f/	51.75
6		/bu:t/	57.15	/te:dʒ/	57.39
7		/tʰo:p/	61.79	/sɪkʰ/	61.97
8		/dʒʰi:l/	64.20	/po:ʒ/	66.51
9		/bəl/	67.95	/sətʃ/	68.37
10		/bɛ:l/	71.15	/dʒəj/	75.51
11		/e:k/	96.15	/mɛ:l/	96.75
12		/tʰi:k/	97.26	/mətʰ/	97.44
13		/ti:s/	101.13	/se:b/	101.89
14		/d̪e:v/	103.59	/rəs/	103.66
15	151 to 250	/a:m/	177.30	/a:g/	177.24
16		/kʰa:d̪/	200.97	/fɪətʰ/	201.25
17		/ra:dʒ/	224.04	/tʃa:r/	226.99
18		/kət/	245.16	/dʒa:n/	246.96
19	251 to 350	/nəl/	166.74	/lo:bʰ/	170.88
20		/sa:g/	259.10	/mən/	256.69
21		/ba:t/	303.76	/dɪn/	305.36

Supplement 1 continued. Acoustic characteristics of monosyllabic words included in List 1 and List 2

No.	Frequency band [Hz]	List 1	F1 bandwidth [Hz]	List 2	F1 bandwidth [Hz]
22	351 to 450	/pa:tʰ/	356.42	/ka:m/	360.91
23		/ka:n/	375.09	/ga:v/	377.13
24	451 to 570	/gəm/	483.77	/tʃa:p/	541.95
25	571 to 700	/ta:f/	677.46	/fio:tʰ/	642.51

Supplement 2. Comparison of the SiNT-H scores (List 1 and List 2) between right and left ears across gender

List	Gender	n	Ear	Mean [%]			SD			Median [%]			IQR			Wilcoxon-sign rank test					
				0 dB SNR			+5 dB SNR			+10 dB SNR			0 dB SN R			0 dB SN R		+5 dB SN R		+10 dB SN R	
				0 dB SNR	+5 dB SNR	+10 dB SNR	0 dB SNR	+5 dB SNR	+10 dB SNR	0 dB SN R	+5 dB SNR	+10 dB SNR	0 dB SN R	+5 dB SNR	+10 dB SNR	z	p	z	p	z	p
List 1	male	10	right ear	71.20	77.2	77.6	4.92	3.29	5.06	70	76	76	68–72	76–80	75–81	0.72	0.47	0.213	0.832	1.588	0.112
			left ear	72.40	77.4	80.4	4.40	5.17	3.98	74	78	80	68–76	73.5–81	76–84						
	female	17	right ear	75	78.12	82.82	5.39	4.50	6.13	76	80	80	70–80	74–80	76–88	2.09	0.07	1.915	0.056	1.106	0.269
			left ear	78.82	81.18	84.47	6.60	5.43	4.87	80	80	84	76–84	78–84	80–88						
List 2	male	10	right ear	73.20	78.90	81.20	4.24	6.12	4.64	72	78	80	71–77	73.5–85	76–85	0.69	0.49	0.611	0.541	0.816	0.414
			left ear	74.40	77.60	82.00	4.70	5.72	3.89	76	76	80	74–76	75–80	80–85						
	female	17	right ear	80.94	81.41	84.71	4.59	3.45	4.30	72	78	80	80–84	80–84	80–88	1.94	0.05	0.715	0.475	0.827	0.408
			left ear	77.41	80.35	83.41	6.32	6.57	4.68	76	76	80	72–82	76–86	80–86						

Note: n = number of ears, SD = standard deviation, IQR = interquartile range, z = test Statistics, p = level of significance

Supplement 3. Comparison of the scores of SiNT-H (List 1 and List 2) between male and female young adults

List	Gender	n	Mean [%]			SD			Median [%]			IQR			Mann–Whitney <i>U</i> Test					
															0 dB SNR		+5 dB SNR		+10 dB SNR	
			0 dB SNR	+5 dB SNR	+10 dB SNR	0 dB SNR	+5 dB SNR	+10 dB SNR	0 dB SNR	+5 dB SNR	+10 dB SNR	0 dB SNR	+5 dB SNR	+10 dB SNR	<i>U</i>	<i>p</i>	<i>U</i>	<i>p</i>	<i>U</i>	<i>p</i>
List 1	male	20	71.8	77.3	79	4.58	4.22	4.66	72	76	78	68–76	76–80	76–83	506	0.01*	450	0.04*	497	0.04*
	female	34	74.8	74.8	78.25	81.6	4.4	5.8	4.19	76	76	80	72–76	74.25–80						
List 2	male	20	76.94	80.06	83.65	6.23	4.79	5.52	80	80	84	72–80	76–84	80–88	519.5	0.01*	545	0.04*	458	0.02*
	female	34	79.18	80.88	84.41	5.72	5.19	4.29	80	80	84	75–84	76–84	80–88						

Note: *n* = number of ears, SD = standard deviation, IQR = interquartile range, *U* = test Statistics, *p* = level of significance, * = significant difference

Supplement 4. Psychometric analysis of SiNT-H test lists across genders

Gender	n	List	Mean [%]			SD			Median [%]			IQR			Mann–Whitney <i>U</i> Test					
															0 dB SNR		+5 dB SNR		+10 dB SNR	
			0 dB SNR	+5 dB SNR	+10 dB SNR	0 dB SNR	+5 dB SNR	+10 dB SNR	0 dB SNR	+5 dB SNR	+10 dB SNR	0 dB SNR	+5 dB SNR	+10 dB SNR	<i>z</i>	<i>p</i>	<i>z</i>	<i>p</i>	<i>z</i>	<i>p</i>
Male	40	List 1	71.8	77.3	79	4.58	4.22	4.66	72	76	78	68–76	76–80	76–83	1.23	0.21	0.95	0.34	0.65	0.52
		List 2	74.8	74.8	78.25	81.6	4.4	5.8	4.19	76	76	80	72–76	74.25–80						
Female	68	List 1	76.94	80.06	83.65	6.23	4.79	5.52	80	80	84	72–80	76–84	80–88	1.87	0.07	1.40	0.16	1.10	0.27
		List 2	79.18	80.88	84.41	5.72	5.19	4.29	80	80	84	75–84	76–84	80–88						

Note: *n* = number of observations, SD = standard deviation, IQR= interquartile range, *z* = test Statistics, *p* = level of significance

Supplement 5. Comparison of the scores of SiNT-H test across gender between Groups I and II

Gender	n	Group	Mean [%]			SD			Median [%]			IQR			Mann–Whitney <i>U</i> Test					
			0 dB SNR	+5 dB SNR	+10 dB SNR	0 dB SNR	+5 dB SNR	+10 dB SNR	0 dB SNR	+5 dB SNR	+10 dB SNR	0 dB SNR	+5 dB SNR	+10 dB SNR	0 dB SNR		+5 dB SNR		+10 dB SNR	
															U	p	U	p	U	p
Male	40	1	72.74	77.55	80.11	4.63	4.87	4.51	72	76	80	68–76	74.7–80	76–84	1176	0.37	958.5	0.41	1005	0.64
	16	2	73.64	76.32	79.43	5.72	5.97	4.95	73	76	80	69–76	72–80	76–84						
Female	17	1	78.06	80.47	84.03	6.04	4.97	4.92	80	80	84	72–83	76–84	80–88	1295	0.02*	1347	0.02*	1295	0.01*
	11	2	75.5	78.19	81.62	5.3	5.08	4.36	76	78	80	72–80	74.5–84	80–84						

Note: *n* = number of observations, *p* = level of significance, *U* = test statistics, * = significant difference

Supplement 6. Test-retest reliability of the scores in the SiNT-H test between the two sessions across lists using the Spearman rank correlation

Statistical measures	List 1 right ear 0 dB SNR		List 1 right ear +5 dB SNR		List 1 right ear +10 dB SNR		List 1 left ear +0 dB SNR		List 1 left ear +5 dB SNR		List 1 left ear +10 dB SNR	
	Session I	Session II	Session I	Session II	Session I	Session II	Session I	Session II	Session I	Session II	Session I	Session II
<i>n</i>	12	12	12	12	12	12	12	12	12	12	12	12
Median [%]	76	78	80	82	84	82	76	76	82	80	84	84
IQR [%]	68–84	72–84	76–88	76–84	76–92	80–88	72–79	76–80	77–84	77–83	80–88	80–84
<i>r</i>	0.84		0.90		0.94		0.66		0.85		0.80	
<i>p</i> -value	<0.01		<0.01		<0.01		0.02*		<0.01		<0.01	

Supplement 6 continued. Test-retest reliability of the scores in the SiNT-H test between the two sessions across lists using the Spearman rank correlation

Statistical measures	List 2 right ear 0 dB SNR		List 2 right ear +5 dB SNR		List 2 right ear +10 dB SNR		List 2 left ear +0 dB SNR		List 2 left ear +5 dB SNR		List 2 left ear +10 dB SNR	
	Session I	Session II	Session I	Session II	Session I	Session II	Session I	Session II	Session I	Session II	Session I	Session II
<i>n</i>	12	12	12	12	12	12	12	12	12	12	12	12
Median [%]	78	80	88	84	88	88	78	80	84	84	86	84
IQR [%]	76–83	76–88	84–88	81–84	81–88	84–91	76–83	76–80	80–88	80–87	82.5–88	80–88
<i>r</i>	0.86		0.85		0.89		0.90		0.87		0.72	
<i>p</i> -value	< 0.01		<0.01		<0.01		< 0.01		<0.01		<0.01	

Supplement 7. Phonemic Error Analysis across three SNR condition (0 dB, +5 dB, +10 dB)

	Spoken phoneme at 0 dB SNR																						
		/l/	/p ^h /	/u:/	/p/	/ṭj/	/m/	/l/	/ŋ/	/ṭ/	/ɾ/	/j/	/n/	/b/	/k/	/d/	/i/	/dʒ/	/ŋ/	/ṭ ^h /	/e/	/ḍ/	/g/
Stimulus phoneme	/ṭ/	9	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	/b/	0	3	19	83	0	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	/p ^h /	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	/ṭ ^h /	0	1	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	/ɾ/	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	21	0
	/p/	0	0	0	0	0	0	0	0	8	8	3	0	0	0	3	0	0	9	0	0	0	0
	/s/	0	0	0	47	10	0	0	0	8	0	0	4	0	9	0	0	0	0	0	0	0	0
	/g/	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0
	/ṭ/	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0
	/e/	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0
	/m/	0	0	0	2	0	0	0	0	0	0	4	11	0	0	0	0	0	3	0	0	0	0
	/ḍ/	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0
	/n/	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0
	/l/	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0
	/r/	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	/dʒ/	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	/b ^h /	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2

Supplement 7 continued. Phonemic Error Analysis across three SNR condition (0 dB, +5 dB, +10 dB)

	Spoken phoneme at +5 dB SNR																						
		/l/	/p ^h /	/u:/	/p/	/t̪j/	/m/	/l/	/ŋ/	/t̪/	/ɾ/	/j/	/n/	/b/	/k/	/d̪/	/i/	/d̪ʒ/	/ŋ/	/t̪ ^h /	/e/	/d̪/	/g/
Stimulus phoneme	/t̪/	9	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	/b/	0	2	18	35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	/p ^h /	0	2	0	58	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	/t̪ ^h /	0	2	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	/ɾ/	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	/p/	0	0	0	0	0	0	0	0	11	23	0	0	0	0	11	0	26	0	0	0	0	0
	/s/	0	0	0	58	11	0	0	0	22	0	0	9	0	4	0	0	0	0	0	0	0	0
	/g/	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	/t̪/	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0
	/e/	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0
	/m/	0	0	0	2	0	0	0	0	0	0	0	0	7	0	0	0	0	8	2	0	0	0
	/d̪/	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0
	/n/	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0
	/l/	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	0	0
	/ɾ/	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29	0
	/d̪ʒ/	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
	/b ^h /	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9

Supplement 7 continued. Phonemic Error Analysis across three SNR condition (0 dB, +5 dB, +10 dB)

Stimulus phoneme	Spoken phoneme at +10 dB SNR																							
		/l/	/p ^h /	/u:/	/p/	/ṭj/	/m/	/l/	/ŋ/	/ṭ/	/ɾ/	/j/	/n/	/b/	/k/	/d/	/i/	/dʒ/	/ŋ/	/ṭ ^h /	/e/	/d/	/g/	
	/ṭ/	3	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	/b/	0	9	81	30	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	/p ^h /	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	/ṭ ^h /	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	/ɾ/	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	/p/	0	0	0	0	0	0	0	0	8	11	8	0	0	0	3	0	0	0	0	0	0	0	0
	/s/	0	0	0	30	17	0	0	0	14	0	0	7	0	2	0	0	0	0	0	0	0	0	0
	/g/	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	
	/ṭ/	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	/e/	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0
	/m/	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	6	0	0	0	0	0	0
	/d/	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	/n/	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0
	/l/	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0
	/ɾ/	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	0	0
	/dʒ/	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
	/b ^h /	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13

Supplement 8. F1 bandwidth anlysis

Word	Transcription	Funda- mental frequencies 0 to 150 Hz	Word	Transcription	Funda- mental frequencies 151 to 250 Hz	Word	Transcription	Funda- mental frequencies 251 to 350 Hz	Word	Transcription	Funda- mental frequencies 351 to 450 Hz	Word	Transcription	Funda- mental frequencies 451 to 570 Hz	Word	Transcription	Funda- mental frequencies 571 to 700 Hz	Word	Transcription	Funda- mental frequencies >700 Hz
रथ	/rəʈʰ/	89.71	चाय	/tʃaj/	232.16	गाय	/gaj/	308.55	मूल	/mu:l/	368.14	गम	/gəm/	483.77	ताश	/tʃa:ʃ/	677.46	आर	/a:r/	757.59
जन	/dʒən/	125.42	अब	/əb/	209.10	डर	/dər/	286.07	धार	/dʱa:r/	371.28	बाप	/ba:p/	565.45	धाय	/dʱa:j/	617.46	कोट	/ko:t/	1199.41
मैल	/mɛ:l/	96.75	चार	/tʃa:r/	226.99	दनि	/dɪn/	305.36	हम	/həm/	413.31	चाप	/tʃa:p/	541.95	होठ	/ho:ʈʰ/	642.51	इस	/ɪs/	1244.51
शवि	/ʃv/	131.75	फल	/pʰəl/	185.03	घास	/gʱa:s/	294.07	काम	/ka:m/	360.91	Total		3(1.69%)	खा	/kʰa:/	572.46	Total		³ (1.69%)
आज	/a:dʒ/	119.17	लोभ	/lo:bʱ/	170.88	माय	/maj/	256.91	पाठ	/pa:ʈʰ/	356.42				Total		⁴ (2.25%)			
ईट	/i:t/	120.37	पथ	/pəʈʰ/	207.37	लाभ	/la:bʱ/	284.51	मोल	/mo:l/	391.37									
ठग	/ʈʰəg/	51.66	हठ	/həʈʰ/	201.25	बात	/ba:ʈ/	303.76	लाट	/la:ʈ/	395.87									
कील	/ki:l/	63.63	लाज	/la:dʒ/	180.65	नख	/nəkʰ/	263.78	गांव	/gā:v/	377.13									
वेद	/ve:d/	48.05	छेद	/tʃʰe:d/	242.44	दाग	/dʱa:g/	323.76	टांग	/ʈa:ŋg/	357.77									
उन	/un/	54.30	चाल	/tʃa:l/	209.89	डाक	/dʱa:k/	340.49	नाम	/na:m/	431.35									
देव	/dɛ:v/	103.59	जंग	/dʒəŋg/	219.59	टीप	/ti:p/	275.44	कान	/ka:n/	375.09									
सरि	/sɪr/	97.49	अंग	/əŋg/	179.01	गान	/ga:n/	272.71	गोल	/go:l/	428.98									
बोल	/bo:l/	114.73	नल	/nəl/	166.74	रस	/ras/	349.26	दाम	/dʱa:m/	366.52									
सेव	/se:v/	86.67	कब	/kəb/	195.72	काम	/ka:m/	265.38	पान	/pa:n/	395.60									
सुख	/sukʰ/	147.30	माल	/ma:l/	158.88	मन	/mən/	256.69	टन	/ʈən/	377.67									
जीत	/dʒi:ʈ/	39.50	मार	/ma:r/	188.04	साग	/sa:g/	259.10	Total		¹⁵ (8.47%)									
मठ	/məʈʰ/	97.44	भय	/bʱəj/	192.19	Total		¹⁶ (9.03%)												
ठीक	/ʈʰi:k/	97.26	गोद	/go:d/	203.01															

Supplement 8 continued. F1 bandwidth analysis

Word	Transcription	Fundamental frequencies 0 to 150 Hz	Word	Transcription	Fundamental frequencies 151 to 250 Hz	Word	Transcription	Fundamental frequencies 251 to 350 Hz	Word	Transcription	Fundamental frequencies 351 to 450 Hz	Word	Transcription	Fundamental frequencies 451 to 570 Hz	Word	Transcription	Fundamental frequencies 571 to 700 Hz	Word	Transcription	Fundamental frequencies >700 Hz
सच	/sətʃ/	68.37	खुन	/kʰu:n/	234.89															
ईन	/i:n/	40.39	आंख	/a:ŋkʰ/	229.23															
दस	/d̪əs/	150.54	कट	/kət/	245.16															
मूंग	/mu:ŋg/	148.24	पैर	/pɛ:r/	176.59															
गूड़	/gu:ɽ/	51.73	जान	/d̪ʒa:n/	246.96															
रेत	/re:t̪/	19.25	खाद	/kʰa:d̪/	200.97															
पोष	/po:ʃ/	66.51	आम	/a:m/	177.30															
तेज	/t̪e:d̪ʒ/	57.39	आग	/a:g/	177.24															
कुछ	/kʊtʃʰ/	11.54	धन	/d̪ʱən/	246.81															
टोप	/t̪o:p/	61.79	घर	/gʱər/	159.32															
जून	/d̪ʒu:n/	139.20	छाप	/tʃʰa:p/	174.84															
पेश	/pe:ʃ/	51.75	और	/ɔ:r/	198.10															
धान	/d̪ʱa:n/	127.10	जब	/d̪ʒəb/	197.30															
नाक	/na:k/	108.76	अब	/əb/	180.59															
मलि	/mɪl/	55.53	राज	/ra:d̪ʒ/	224.04															
सूर	/su:r/	118.69	चाँद	/tʃʰa:nd̪/	156.93															
रस	/rəs/	103.66	Total		34 (19.20%)															
फल	/pʰəl/	130.79																		
रोग	/ro:g/	123.08																		

Supplement 8 continued. F1 bandwith anlysis

Word	Transcrip- tion	Funda- mental frequen- cies 0 to 150 Hz	Word	Transcrip- tion	Funda- mental frequen- cies 151 to 250 Hz	Word	Transcrip- tion	Funda- mental frequen- cies 251 to 350 Hz	Word	Transcrip- tion	Funda- mental frequen- cies 351 to 450 Hz	Word	Transcrip- tion	Funda- mental frequen- cies 451 to 570 Hz	Word	Transcrip- tion	Funda- mental frequen- cies 571 to 700 Hz	Word	Transcrip- tion	Funda- mental frequen- cies >700 Hz
बूट	/bu:t/	57.15																		
कल	/kəl/	80.98																		
क्रोध	/kro:ɖʱ/	128.22																		
पेट	/pe:t/	18.95																		
लेख	/le:kʰ/	42.78																		
दीन	/d̪i:n/	69.16																		
तीस	/t̪i:s/	101.13																		
सेर	/se:r/	62.70																		
जय	/d̪ʒəj/	20.09																		
पेड	/pe:d/	10.90																		
लास	/la:s/	143.68																		
तनि	/t̪ɪn/	28.64																		
मत	/məʈ/	102.12																		
शर	/ʃər/	120.55																		
बैल	/be:l/	71.15																		
रात	/ra:t/	66.60																		
फूल	/pʰu:l/	20.71																		
जीभ	/d̪ʒi:bʱ/	126.54																		
खेल	/kʰe:l/	115.42																		
एक	/e:k/	96.15																		

Supplement 8 continued. F1 bandwidth anlysis

Word	Transcription	Fundamental frequencies 0 to 150 Hz	Word	Transcription	Fundamental frequencies 151 to 250 Hz	Word	Transcription	Fundamental frequencies 251 to 350 Hz	Word	Transcription	Fundamental frequencies 351 to 450 Hz	Word	Transcription	Fundamental frequencies 451 to 570 Hz	Word	Transcription	Fundamental frequencies 571 to 700 Hz	Word	Transcription	Fundamental frequencies >700 Hz
चुप	/tʃʊp/	38.11																		
दूध	/d̪uːd̪ʱ/	45.39																		
साथ	/saːt̪ʱ/	128.32																		
रेल	/reːl/	129.19																		
टोल	/tʊːl/	111.05																		
गोल	/goːl/	141.07																		
यश	/jəʃ/	126.24																		
घी	/g̪ʱiː/	101.87																		
बीज	/biːd̪ʱ/	19.65																		
लाज	/laːd̪ʱ/	105.88																		
भेद	/b̪ʱeːd̪/	110.15																		
सखि	/sɪk̪ʱ/	61.97																		
लोग	/loːg/	132.83																		
चोर	/tʃʊːr/	52.95																		
तुम	/t̪ʊm/	110.81																		
बर	/b̪ər/	146.46																		
ठीक	/t̪ʱiːk/	20.23																		
देव	/d̪eːv/	116.43																		
सेब	/seːb/	101.89																		

Supplement 8 continued. F1 bandwith anlysis

Word	Transcrip- tion	Funda- mental frequen- cies 0 to 150 Hz	Word	Transcrip- tion	Funda- mental frequen- cies 151 to 250 Hz	Word	Transcrip- tion	Funda- mental frequen- cies 251 to 350 Hz	Word	Transcrip- tion	Funda- mental frequen- cies 351 to 450 Hz	Word	Transcrip- tion	Funda- mental frequen- cies 451 to 570 Hz	Word	Transcrip- tion	Funda- mental frequen- cies 571 to 700 Hz	Word	Transcrip- tion	Funda- mental frequen- cies >700 Hz
ट्ट	/tu:t/	21.37																		
हति	/hɪt/	25.39																		
योग	/jo:g/	93.51																		
धूल	/d ^h u:l/	93.50																		
मतिर	/mɪtr/	75.26																		
फरि	/p ^h rr/	42.03																		
मान	/ma:n/	122.54																		
वेद	/ve:d/	31.26																		
तसि	/tɪs/	72.08																		
ईन	/i:n/	62.91																		
एक्	/e:k/	12.57																		
दूर	/du:rr/	47.24																		
बल	/bəl/	67.95																		
गुड़	/guɾ/	98.78																		
नेक	/ne:k/	10.01																		
शीत	/ʃi:t/	106.97																		
पेड़	/pe:ɾ/	21.30																		
हाथ	/ha:t ^h /	50.38																		
थुक	/t ^h uk/	23.51																		

Supplement 8 continued. F1 bandwith anlysis

Word	Transcrip- tion	Funda- mental frequen- cies 0 to 150 Hz	Word	Transcrip- tion	Funda- mental frequen- cies 151 to 250 Hz	Word	Transcrip- tion	Funda- mental frequen- cies 251 to 350 Hz	Word	Transcrip- tion	Funda- mental frequen- cies 351 to 450 Hz	Word	Transcrip- tion	Funda- mental frequen- cies 451 to 570 Hz	Word	Transcrip- tion	Funda- mental frequen- cies 571 to 700 Hz	Word	Transcrip- tion	Funda- mental frequen- cies >700 Hz
जय	/d͡ʒəj/	75.51																		
छत	/t͡ʃʰət̪/	87.28																		
पल	/pəl/	33.32																		
पास	/pas/	89.76																		
दो	/d̪oː/	59.32																		
झील	/d͡ʒʱiːl/	64.20																		
ढंग	/d̪ʱəŋg/	67.97																		
Total		102 (57.62%)																		