

Appendix A

Table A1. Details of the individual stimuli presented to 5-month-olds in Experiment 1. Information is given for each infant included in the final sample, including infants' name, correct (CP) and mispronounced (MP) consonants and vowels (in International Phonetic Alphabet), and the feature changed from correct to mispronunciation.

Infant name	Consonant			Vowel		
	CP	MP	Feature	CP	MP	Feature
Loïs	l	r	place	o	∅	place
Joann	ʒ	ʃ	voicing	o	∅	place
Mathis	m	b	manner	a	ε	height
Maxime	m	n	place	a	ε	height
Luce	l	d	manner	y	i	roundness
Iris	r	l	place	i	y	roundness
Léonie	l	r	place	e	∅	roundness
Lison	l	z	manner	i	e	height
Vadim	v	f	voicing	a	ε	height
Manon	m	n	place	a	ε	height
Charlotte	ʃ	ʒ	voicing	a	ε	height
Nael	n	z	manner	a	ε	height
Léopold	l	r	place	e	∅	roundness
Noemie	n	l	manner	o	∅	place
Lalo	l	r	place	a	ε	height
Kalissou	k	g	voicing	a	ε	height
Choubi	ʃ	s	place	u	y	place
Louann	l	d	manner	u	y	place
Léo	l	d	manner	e	∅	roundness
Elliot	l	d	manner	e	∅	roundness
Tim	t	d	voicing	i	y	roundness
Edgar	d	t	voicing	e	∅	roundness
Corentin	k	g	voicing	o	∅	place
Julie	ʒ	j	manner	y	u	place
Joséphine	ʒ	z	place	o	∅	place
Octave	k	g	voicing	o	∅	place
Estelle	s	z	voicing	e	∅	roundness

Table A2. Details of the individual stimuli presented to 8-month-olds in Experiment 1. Information is given for each infant included in the final sample, including infants' name, correct (CP) and mispronounced (MP) consonants and vowels (in International Phonetic Alphabet), and the feature changed from correct to mispronunciation.

Infant name	Consonant			Vowel		
	CP	MP	Feature	CP	MP	Feature
Bérénice	b	p	voicing	ɛ	œ	roundness
Malcom	m	n	place	a	ɛ	height
Benoît	b	m	manner	ø	o	place
Charlie	ʃ	ʒ	voicing	a	ɛ	height
Maceo	m	b	manner	a	ɛ	height
Jade	ʒ	z	place	a	ɛ	height
Silas	s	t	manner	i	ɣ	roundness
Flora	f	s	place	o	ø	place
Émilie	m	b	manner	e	ø	roundness
Mia	m	b	manner	i	ɣ	roundness
Auguste	g	k	voicing	o	ø	place
Pierre	p	t	place	i	ɣ	roundness
Milo	m	n	place	i	e	height
Elisa	l	r	place	e	ø	roundness
Tristan	t	k	place	i	ɣ	roundness
Zoé	z	v	place	o	ø	place
Clément	k	g	voicing	e	ø	roundness
Corentin	k	g	voicing	o	ø	place
Chloé	k	g	voicing	o	ø	place
Capucine	k	g	voicing	a	ɛ	height
Jules	ʒ	j	manner	ɣ	u	place
Lucie	l	d	manner	ɣ	u	place
Nathan	n	l	manner	a	ɛ	height
Camille	k	g	voicing	a	ɛ	height
Zélie	z	s	voicing	e	ø	roundness
Emma	m	b	manner	e	i	height
Pauline	p	t	place	ɔ	œ	place

Appendix B

Appendix B contains the model output for the mixed effects model reported in Experiment 1.

Table B1. Output of the mixed effects model examining orientation time results in 5- and 8-month-olds (Experiment 1). Significance codes: $p < .001 = ***$; $< .01 = **$; $< .05 = *$; $< .1 = .$

	Estimate	SE	df	t-value	p-value	sig
(Intercept)	2.76	0.11	140.38	25.79	< .001	***
Age	-0.68	0.11	54.00	-6.01	< .001	***
Type	-0.13	0.06	377.97	-2.20	= .03	*
Order	-0.15	0.03	378.00	-5.75	< .001	***

Table B2. Output of the mixed effects model examining the relationship between acoustic factors and orientation times in 5- and 8-month-olds (Experiment 1). Significance codes: $p < .001 = ***$; $< .01 = **$; $< .05 = *$; $< .1 = .$

	Estimate	SE	df	t-value	p-value	sig
(Intercept)	3.29	0.39	56.03	8.37	< .001	***
Age	-0.72	0.11	53.66	-6.63	< .001	***
Vdiff.Spectral	-0.57	0.23	53.66	-2.52	= .01	*

Table B3. Output of the mixed effects model examining the relationship between lexical factors and orientation times in 8-month-olds (Experiment 1). Significance codes: $p < .001 = ***$; $< .01 = **$; $< .05 = *$; $< .1 = .$

	Estimate	SE	df	t-value	p-value	sig
(Intercept)	-1.39	1.88	18.01	-0.74	= .47	
Typec	-0.03	0.11	18.74	-0.27	= .79	
Comp	0.14	0.14	17.96	1.02	= .32	
Cprop	2.06	1.77	17.96	1.16	= .26	
Vprop	0.92	1.13	17.96	0.81	= .43	

Table B4. Output of the mixed effects model examining the relationship between vocabulary growth over the first two years of life and the preference for cMPs or vMPs at the time of test for 8-month-olds (Experiment 1). Significance codes: $p < .001 = ***$; $< .01 = **$; $< .05 = *$; $< .1 = .$

	Estimate	SE	df	t-value	p-value	sig
(Intercept)	-1.85	0.21	82	-8.68	< .001	***
Age	0.12	0.01	82	9.24	< .001	***
OT.diff	0.06	0.07	82	0.84	= .40	
Age:OT.diff	0.00	0.00	82	-1.02	= .31	

Appendix C

Table C1. Details of the individual stimuli presented to 11-month-olds in Experiment 2. Information is given for each infant included in the final sample, including infants' name, correct (CP) and mispronounced (MP) consonants and vowels (in International Phonetic Alphabet), and the feature changed from correct to mispronunciation.

Infant name	Consonant			Vowel		
	CP	MP	Feature	CP	MP	Feature
Léonie	l	r	place	e	∅	roundness
Clara	k	g	voicing	a	ε	height
Océane	s	t	manner	o	∅	place
Lielle	l	d	manner	i	γ	roundness
Camille	k	t	place	a	ε	height
Thibault	t	d	voicing	i	γ	roundness
Chloé	k	g	voicing	o	∅	place
Héloïse	l	d	manner	e	∅	roundness
Emmy	m	n	place	e	∅	roundness
Phédre	f	v	voicing	ε	œ	roundness
Maëna	m	b	manner	a	ε	height
Émile	m	n	place	e	∅	roundness
Maël	m	b	manner	a	ε	height
Louise	l	z	manner	u	γ	place
Sienna	s	z	voicing	i	γ	roundness
Adèle	d	b	place	a	ε	height
Héloïse	l	d	manner	e	∅	roundness
thomas	t	d	voicing	o	∅	place
Joachim	ʒ	z	place	o	∅	place
Louise	l	r	place	u	γ	place
Joachim	ʒ	z	place	o	∅	place
Lou	l	d	manner	u	γ	place
Liv	l	z	manner	i	e	height
Guillaume	g	k	voicing	i	γ	height
Dimitri	d	t	voicing	i	e	height
Paul	p	t	voicing	ɔ	œ	place
Mathilde	m	n	place	a	ε	height

Appendix D

Appendix D contains the model outputs for the mixed effects models reported in Experiment 2.

Table D1. Output of the mixed effects model examining orientation time results in 11-month-olds (Experiment 2). Significance codes: $p < .001 = ***$; $< .01 = **$; $< .05 = *$; $< .1 = .$

	Estimate	SE	df	t-value	p-value	sig
(Intercept)	1.64	0.17	30.05	9.50	< .001	***
Type	0.61	0.20	180.21	3.01	< .01	**
Order	0.04	0.06	21.95	0.74	= .47	.
Type:Order	-0.24	0.07	161.01	-3.30	< .01	**

Table D2. Output of the mixed effects model examining the relationship between acoustic factors and orientation times in 11-month-olds (Experiment 2). Significance codes: $p < .001 = ***$; $< .01 = **$; $< .05 = *$; $< .1 = .$

	Estimate	SE	df	t-value	p-value	sig
(Intercept)	1.30	0.61	30.64	2.12	= .04	*
Type	0.02	0.10	44.28	0.25	= .81	.
Cdiff.Intensity	1.33	0.66	29.49	2.00	= .05	.
Vdiff.Intensity	1.15	1.61	29.48	0.71	= .48	.
Cdiff.Duration	0.35	0.39	29.49	0.89	= .38	.
Vdiff.Duration	0.12	0.21	29.48	0.56	= .58	.
Cdiff.Spectral	0.04	0.25	29.60	0.15	= .88	.
Vdiff.Spectral	0.22	0.21	29.46	1.03	= .31	.

Table D3. Output of the mixed effects model examining the relationship between lexical factors and orientation times in 11-month-olds (Experiment 2). Significance codes: $p < .001 = ***$; $< .01 = **$; $< .05 = *$; $< .1 = .$

	Estimate	SE	df	t-value	p-value	sig
(Intercept)	4.11	0.97	24.84	4.23	< .001	***
Cprop	-4.02	1.53	24.79	-2.62	= .01	*
Vprop	1.68	0.75	24.79	2.25	= .03	*

Table D4. Output of the mixed effects model examining the relationship between vocabulary growth over the first two years of life and the preference for cMPs or vMPs at the time of test for 11-month-olds (Experiment 2). Significance codes: $p < .001 = ***$; $< .01 = **$; $< .05 = *$; $< .1 = .$

	Estimate	SE	df	t-value	p-value	sig
(Intercept)	-2.13	0.24	100	-9.01	< .001	***
Age	0.13	0.01	100	9.40	< .001	***
OT.diff	0.12	0.07	100	1.73	= .09	.
Age:OT.diff	-0.01	0.00	100	-2.17	= .03	*