Table S1. Correlation coefficients among dependent and predictor variables at 22 months.

	PhonCom	WL	ND1N	ND2N	LWF1N	LWF2N
$IFDC_{tot}$	.59***	.45**	–.59***	–.20	–.66***	–.26
PhonCom	—	.90***	–.63***	–.28	–.79***	–.28
WL	—	—	–.41*	–.28	–.74***	–.49**
ND1N	—	—	—	–.31	.62***	.13
ND2N	—	—	—	—	–.16	.23
LWF1N	—	—	—	—	—	.29
LWF2N	—	—	—	—	—	—

*$p < .05$. **$p < .01$. ***$p < .001$.

Note. $IFDC_{tot}$ = total vocabulary score on the l'Inventaire Français du Développement Communicatif (Kern & Gayraud, 2010; the French version of the MacArthur–Bates Communicative Development Inventories [MCDI; Fenson et al., 1993]); PhonCom = phonetic complexity; WL = word length; ND1N = neighborhood density of one-syllable nouns; ND2N = neighborhood density of two-syllable nouns; LWF1N = log-transformed word frequency of one-syllable nouns; LWF2N = log-transformed word frequency of two-syllable nouns.

Table S2. Correlation coefficients among dependent and predictor variables at 29 months.

	PhonCom	WL	ND1N	ND2N	LWF1N	LWF2N	PCC	PhonInv
$IFDC_{tot}$	.67***	.69***	–.77***	–.52**	–.89***	–.52**	.62***	.69***
PhonCom	—	.93***	–.71***	–.54***	–.51**	–.51**	.58***	.24
WL	—	—	–.71***	–.42**	–.79***	–.49**	.60***	.29
ND1N	—	—	—	.53**	.71**	.32*	–.48**	–.59***
ND2N	—	—	—	—	.47**	.23	–.35*	–.37*
LWF1N	—	—	—	—	—	.59***	–.49**	–.54***
LWF2N	—	—	—	—	—	—	–.12	–.06
PCC	—	—	—	—	—	—	—	.50**
PhonInv	—	—	—	—	—	—	—	—

*$p < .05$. **$p < .01$. ***$p < .001$.

Note. $IFDC_{tot}$ = total vocabulary score on the l'Inventaire Français du Développement Communicatif (Kern & Gayraud, 2010; the French version of the MacArthur–Bates Communicative Development Inventories [MCDI; Fenson et al., 1993]); PhonCom = phonetic complexity; WL = word length; ND1N = neighborhood density of one-syllable nouns; ND2N = neighborhood density of two-syllable nouns; LWF1N = log-transformed word frequency of one-syllable nouns; LWF2N = log-transformed word frequency of two-syllable nouns; PCC = percent consonants correct; PhonInv = syllable-initial consonant inventory size.

Table S3. Correlation coefficients among dependent and predictor variables at 36 months.

	PhonCom	WL	ND1N	ND2N	LWF1N	LWF2N	PCC	PhonInv
$DLPF3_{tot}$	.67***	.45**	–.44**	–.45**	–.83***	–.81***	.35*	.42**
PhonCom	—	.93***	–.76***	–.85***	–.38*	–.53**	.15	.44**
WL	—	—	–.69***	–.91***	–.20	–.43**	–.06	.36*
ND1N	—	—	—	.59***	.13	.26	–.18	–.40*
ND2N	—	—	—	—	.22	.44**	.07	–.33
LWF1N	—	—	—	—	—	.84***	–.36*	–.19
LWF2N	—	—	—	—	—	—	.12	–.15
PCC	—	—	—	—	—	—	—	.25
PhonInv	—	—	—	—	—	—	—	—

*$p < .05$. **$p < .01$. ***$p < .001$.

Note. $DLPF3_{tot}$ = total vocabulary score on the Developpement du Langage de Production en Français Version 3 (Bassano et al., 2005); PhonCom = phonetic complexity; WL = word length; ND1N = neighborhood density of one-syllable nouns; ND2N = neighborhood density of two-syllable nouns; LWF1N = log-transformed word frequency of one-syllable nouns; LWF2N = log-transformed word frequency of two-syllable nouns; PCC = percent consonants correct; PhonInv = syllable-initial consonant inventory size.

Table S4. Correlation coefficients among dependent and predictor variables at 48 months.

	PhonCom	WL	ND1N	ND2N	LWF1N	LWF2N	PCC	PhonInv
$DLPF4_{tot}$	.90***	.72***	.15	–.08	–.89***	–.93***	.16	.11
PhonCom	—	.86***	.06	–.15	–.89***	–.91***	.14	.05
WL	—	—	.07	–.06	–.74***	–.81***	.04	.07
ND1N	—	—	—	.91***	–.11	–.14	.16	.13
ND2N	—	—	—	—	.08	.08	.20	.19
LWF1N	—	—	—	—	—	.93***	–.19	–.12
LWF2N	—	—	—	—	—	—	.13	–.08
PCC	—	—	—	—	—	—	—	.06
PhonInv	—	—	—	—	—	—	—	—

*$p < .05$. **$p < .01$. ***$p < .001$.

Note. $DLPF4_{tot}$ = total vocabulary score on the Developpement du Langage de Production en Français Version 4 (Bassano et al., 2005); PhonCom = phonetic complexity; WL = word length; ND1N = neighborhood density of one-syllable nouns; ND2N = neighborhood density of two-syllable nouns; LWF1N = log-transformed word frequency of one-syllable nouns; LWF2N = log-transformed word frequency of two-syllable nouns; PCC = percent consonants correct; PhonInv = syllable-initial consonant inventory size.

Table S5. Correlation coefficients among predictor variables at ages 22 and 29 months and vocabulary size at 36 and 48 months (i.e., $DLPF3_{tot}$ & $DLPF4_{tot}$).

	PhonCom	WL	ND1N	ND2N	LWF1N	LWF2N	PCC	PhonInv
Predicting vocabulary size at 36 months ($DLPF3_{tot}$)								
22 months	–.11	–.17	–.21	.10	–.17	–.03	—	—
29 months	.47**	.45**	–.57***	–.43**	–.70***	–.46**	.57***	.65***
Predicting vocabulary size at 48 months ($DLPF4_{tot}$)								
22 months	–.10	–.09	.04	.22	–.27	.13	—	—
29 months	.51**	.45**	–.36*	–.28	–.60***	–.61***	.37*	.09

*$p < .05$. **$p < .01$. ***$p < .001$.

Note. $DLPF3_{tot}$ = total vocabulary score on the Developpement du Langage de Production en Français Version 3 (Bassano et al., 2005); $DLPF4_{tot}$ = total vocabulary score on the Developpement du Langage de Production en Français Version 4 (Bassano et al., 2005); PhonCom = phonetic complexity; WL = word length; ND1N = neighborhood density of one-syllable nouns; ND2N = neighborhood density of two-syllable nouns; LWF1N = log-transformed word frequency of one-syllable nouns; LWF2N = log-transformed word frequency of two-syllable nouns; PCC = percent consonants correct; PhonInv = syllable-initial consonant inventory size.

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