

Supplemental Material S9. Length and phonological complexity criteria for nonwords.

| Tasks | Nonwords | Syllabic structure | Level of complexity |
|------------|--------------|--------------------|---------------------|
| CL NWR | /zibu/ | CV-CV | 0 |
| CL NWR | /lita/ | CV-CV | 0 |
| CL NWR | /magi/ | CV-CV | 0 |
| CL NWR | /nuli/ | CV-CV | 0 |
| CL NWR | /sipula/ | CV-CV-CV | 0 |
| CL NWR | /bamudi/ | CV-CV-CV | 0 |
| CL NWR | /malitu/ | CV-CV | 0 |
| CL NWR | /lumika/ | CV-CV-CV | 0 |
| CL NWR | /zipalida/ | CV-CV-CV-CV | 0 |
| CL NWR | /nugitala/ | CV-CV-CV-CV | 0 |
| CL NWR | /kasuluni/ | CV-CV-CV-CV | 0 |
| CL NWR | /litisagu/ | CV-CV-CV-CV | 0 |
| CL NWR | /sibumakila/ | CV-CV-CV-CV-CV | 0 |
| CL NWR | /dulikasumu/ | CV-CV-CV-CV-CV | 0 |
| CL NWR | /maluziguba/ | CV-CV-CV-CV-CV | 0 |
| CL NWR | /litapimudi/ | CV-CV-CV-CV-CV | 0 |
| French NWR | /abo/ | V-CV | 1 |
| French NWR | /tizjõ/ | CV-CSV | 1 |
| French NWR | /zobwẽ/ | CV-CSV | 1 |
| French NWR | /ʃurval/ | CVC-CVC | 1 |
| French NWR | /fløvir/ | CCV-CVC | 2 |
| French NWR | /rẽpoli/ | CV-CV-CV | 0 |
| French NWR | /ladõ/ | CV-CV | 0 |
| French NWR | /mystafo/ | CVC-CV-CV | 1 |
| French NWR | /puʃo/ | CV-CV | 0 |
| French NWR | /saljẽ/ | CV-CSV | 1 |
| French NWR | /fajame/ | CV-SV-CV | 0 |
| French NWR | /drigõbir/ | CCV-CV-CVC | 2 |
| French NWR | /vjolasel/ | CSV-CV-CVC | 1 |
| French NWR | /gramãtar/ | CCV-CV-CVC | 2 |
| French NWR | /caranel/ | CV-CV-CVC | 1 |

| Tasks | Nonwords | Syllabic structure | Level of complexity |
|----------------|-----------|--------------------|---------------------|
| French NWR | /bidwano/ | CV-CSV-CV | 1 |
| Portuguese NWR | /mɐviɐ/ | CV-CV-V | 0 |
| Portuguese NWR | /sɛlgɐ/ | CVC-CV | 0 |
| Portuguese NWR | /nɛit/ | CVVC | 0 |
| Portuguese NWR | /pam/ | CVCC | 0 |
| Portuguese NWR | /ɔdevɐ/ | V-CV-CV | 1 |
| Portuguese NWR | /kluzɐ/ | CCV-CV | 2 |
| Portuguese NWR | /izudɐ/ | V-CV-CV | 1 |
| Portuguese NWR | /fɛnoɐ/ | CV-CV-V | 0 |
| Portuguese NWR | /tilm/ | CVCC | 0 |
| Portuguese NWR | /ɛrdɔl/ | VC-CVC | 1 |
| Portuguese NWR | /sɛij/ | CVVC | 0 |
| Portuguese NWR | /gretu/ | CCV-CV | 2 |
| Portuguese NWR | /rɛnɐɔ/ | CV-CV-V | 0 |
| Portuguese NWR | /fɛt/ | CVC | 0 |
| Portuguese NWR | /pɛrsu/ | CVC-CV | 0 |
| Portuguese NWR | /ɛdɔdɐ/ | V-CV-CV | 1 |
| Portuguese NWR | /gɔt/ | CVC | 0 |
| Portuguese NWR | /dail/ | CVVC | 0 |
| Portuguese NWR | /blizɐ/ | CCV-CV | 2 |
| Portuguese NWR | /brɛm/ | CCVC | 2 |
| Portuguese NWR | /ɛʒizu/ | V-CV-CV | 1 |
| Portuguese NWR | /luvɛj/ | CV-CVV | 0 |
| Portuguese NWR | /vuidu/ | CV-V-CV | 0 |
| Portuguese NWR | /trɛf/ | CCVC | 2 |
| Portuguese NWR | /mɛrij/ | CV-CVC | 0 |

Note. The repetition tasks come from the Exalang (Thibault & Helloin, 2010) and Palpa-p (Castro et al., 2007) tests. The two language-specific tasks have a phonological complexity that can be described on a 3-gradient scale based on Dos Santos & Ferré (2018) and Mateus et al., (2005): complexity 0 = simple structure like consonant-vowel, CV: /ladɔ/, /fɛt/; complexity 1 = intersyllabic cluster, beginning of non-word by vowel or consonant-semi vowel: /bidwano/, /ɛdɔdɐ/; and complexity 2 = intrasyllabic cluster: /drigɔbir/, /trɛf/. NRW = nonword repetition task; CL = Crosslinguistic task; C = consonant; V = vowel; SV = semi-vowel.