**Supplemental File 4:** Word-medial voiceless nasals and liquids (in CC): Matches and mismatches.

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Age** | **[+sg] match** | **Full match** | **[+sg] mismatch** | | | | **[+sg] match: other mismatches for sonorant** | | | | |
|  | (yr) | Mean % (SD) | Mean % (SD) | C Deletion | [+spread glottis] > [-spread glottis] | | |  | Manner | Manner & Place | |  |
|  |  |  |  |  | Stop Gem. | [+vd] | [-sg]&M&Pla | Metathesisb | [θ], [l̥], (x)c | Pre-asp stop | [s, f, ç] | Asp. stop (placeX) |
| Nasals | 2 | **81.0% (28.1%)** | **57.8% (44.2%)** | 1.6% | **8.2%** | 4.9% | - | - | 4.9% | **21.3%** | - | - |
| Liquids | 2 | **92.4% (21.4%)** | **42.2% (45.5%)** | 0.8% | **10.4%** | 0.8% | - | - | 3.2% | **44.0%** | 3.2% | 3.2% |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| Nasals | 3 | 92.5% (20.8%) | **79.5% (37.5%)** | - | 6.9% | 0.9% | - | 0.9% | 0.4% | **10.3%** | - | - |
| Liquids | 3 | 97.8% (12.4%) | **59.8% (45.4%)** | - | 0.8% | - | 0.2% | - | 5.5% | **23.9%** | 0.8% | 1.4% |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| Nasals | 4 | 98.6% (10.9%) | 96.9% (14.7%) | - | 1.6% | 2.4% | - | - | - | 5.2% | - | - |
| Liquids | 4 | 98.8% (8.5%) | 87.5 (28.6) | - | - | 1.2% | - | - | 6.8% | 2.3% | 0.7% | 0.2% |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| Nasals | 5 | 100% | 97.4% (14.3%) | - | 1.7% | - | - | - | - | 1.7% | - | - |
| Liquids | 5 | 100% | 96.3% (12.9%) | - | - | - | - | - | 2.0% | 0.6% | 0.3% | 0.3.% |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| Nasals | 6 | 100% | 100% | - | - | - | - | - | - | - | - | - |
| Liquids | 6 | 100% | 96.1% (15.9%) | - | - | - | - | - | 2.5% | - | 1.0% | - |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| Nasals | 7 | 100% | 100% | - | - | - | - | - | - | - | - | - |
| Liquids | 7 | 100% | 98.3% (1.1%) | - | - | - | - | - | 1.1% | 0.5% | - | - |

Note. M = Manner; Pl = place; pre-asp. = pre-aspirated; [sg] = [spread glottis]; placeX = mismatch for place.

a The single substitution was [ðt] for |r̥t|

b There were two instances of [xn] for |ŋ̥k|.

c There was one [xk] for |ŋ̥k| and one uvular rhotic for |r̥|.