**Supplementary Information**

*Descriptive statistics summarizing the performance on the discrimination test (A-prime scores) and production tests (mean accuracy).*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Tasks  | Group  |   | Pre-test  | Post-test  |
|   |   |   | /l-/ʎ/  | /n/-/ɲ/  | /e/-/ɛ/  | /o/-/ɔ/  | /l-/ʎ/  | /n/-/ɲ/  | /e/-/ɛ/  | /o/-/ɔ/  |
|   |   |   |   |   |   |   | Repeated  | Novel  | Repeated  | Novel  | Repeated  | Novel  | Repeated  | Novel  |
| Perceptual discrimination  | Trained  | *M*  | 0.73   | 0.70   | 0.64   | 0.79   | 0.72   | 0.72   | 0.75   | 0.79   | 0.61   | 0.64   | 0.78   | 0.76   |
|   |   | *SD*  | 0.26   | 0.28   | 0.26   | 0.23   | 0.21   | 0.23   | 0.22   | 0.22   | 0.24   | 0.23   | 0.19   | 0.21   |
|   | Control  | *M*  | 0.73   | 0.75   | 0.63   | 0.76   | 0.71   | 0.70   | 0.76   | 0.82   | 0.64   | 0.61   | 0.77  | 0.77   |
|   |   | *SD*  | 0.25   | 0.27   | 0.23   | 0.24   | 0.24   | 0.23   | 0.24   | 0.20   | 0.23   | 0.25   | 0.23   | 0.22   |
| Production  | Trained  | *M*  | 0.18   | 0.74   | 0.23   | 0.51   | 0.32   | 0.28   | 0.81   | 0.82   | 0.22   | 0.25   | 0.56   | 0.64   |
|   |   | *SD*  | 0.23   | 0.22   | 0.23   | 0.27   | 0.28   | 0.28   | 0.22   | 0.23   | 0.19   | 0.23   | 0.27   | 0.28   |
|   | Control  | *M*  | 0.22   | 0.73   | 0.24   | 0.47   | 0.30   | 0.32   | 0.77   | 0.78   | 0.28   | 0.32   | 0.52   | 0.62   |
|   |   | *SD*  | 0.24   | 0.27   | 0.26   | 0.29   | 0.29   | 0.28   | 0.27   | 0.27   | 0.27   | 0.27   | 0.28   | 0.32   |

Note: The two contrasts /e/-/ɛ/ and /l/-/ʎ/ occurred during the training tasks, hence “trained contrasts”. The contrasts /o/-/ɔ/ and /n/-/ɲ/ only occurred in the tests and are thus “untrained”. In the post-test, there were two types of pseudowords: “repeated” items had occurred in the pre-test; “novel” items only occurred in the post-test.