**Supplementary** **results**

“Behavioral and ERP evidence of differences in pitch feedback control in late bilinguals’ L1 and L2 speech production” by Xiao Cai, Yulong Yin, and Qingfang Zhang.

**Bayesian Analyses**: We have complemented traditional null significance hypothesis testing with corresponding Bayesian analyses, which allowed us to quantify the evidence for an absence of an effect. Bayes factors were computed using JASP (Love et al., 2015) with default prior width; we report evidence that the data were more likely under the null model compared to the alternative model (see also Wagenmakers et al., 2015), and interpreted Bayes factors (BF01) of <3 as anecdotal, 3-10 as substantial, 10-30 as strong, 30-100 as very strong, and > 100 as decisive evidence (Jeffereys, 1961). The results were summarized in Table S1, in which, for example, a BF01 = 4.16 indicating that the observed data are 4.16 times more likely under the null hypothesis postulating the absence of the effect than under the alternative hypothesis postulating the presence of the effect.

Table S1. *Summary of the paired t-tests and Bayes factors results of English words with /u/ and /ʊ/ vowels on onset latency, response magnitude, and peak latency, in three perturbation conditions (100-, 200-, and 400-cent).*

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Measures | Onset latency | | |  | Response Magnitude | | |  | Peak latency | | |
|  | *t* | *p* | BF01 |  | *t* | *p* | BF01 |  | *t* | *p* | BF01 |
| 100-cent | .92 | .37 | 4.16 |  | .11 | .92 | 21.56 |  | .41 | .69 | 7.39 |
| 200-cent | 1.12 | .28 | 3.42 |  | .31 | .76 | 9.39 |  | .25 | .80 | 12.65 |
| 400-cent | .76 | .45 | 4.53 |  | .46 | .65 | 7.21 |  | .51 | .62 | 6.88 |

Reference

Jeffreys, H. (1961). *Theory of Probability*. Oxford: Oxford University Press.

Love, J., Selker, R., Marsman, M., Jamil, T., Verhagen, A. J., Ly, A., et al. (2015). *JASP (Version 0.6.6)* [Computer software].

Wagenmakers, E.-J., Beek, T. F., Rotteveel, M., Gierholz, A., Matzke, D., Steingroever, H., Ly, A., Verhagen, J., Selker, R., Sasiadek, A., Gronau, Q. F., Love, J., & Pinto, Y. (2015). Turning the hands of time again: A purely confirmatory replication study and a Bayesian analysis. *Frontiers in Psychology, 6,* Article 494.