**Quantifying degradation in animal acoustic signals with the R package baRulho**

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**Author contributions:** Marcelo Araya-Salas, Alejandro Rico- Guevara, Adrián García-Rodríguez and Erin Grabarczyk conceived the ideas and designed methods; Marcelo Araya-Salas and Adrián García-Rodríguez collected the data; Marcelo Araya-Salas, Marcos Quiroz-Oliva Erin and Grabarczyk analysed the data; Marcelo Araya-Salas, Alejandro Rico-Guevara and Marcos Quiroz-Oliva led the writing of the manuscript. All authors contributed critically to the drafts and gave final approval for publication.

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**Data Availability Statement:** The baRulho package is available on CRAN ([https://cran.r-project.org/package=baRulho](https://cran.r-project.org/package=baRulho/)). The development version of the package used in the application and the source code can be found at <https://github.com/ropensci/baRulho>. The scripts and data for running the example code in the paper are available at <https://anonymous.4open.science/r/barulho_paper-5E6E/> and <https://doi.org/10.6084/m9.figshare.21559074.v3>, respectively.