

Vocal caricatures reveal signatures of speaker identity

Sabrina López¹, Pablo Riera², María Florencia Assaneo¹, Manuel Eguía², Mariano Sigman^{3,4} & Marcos A. Trevisan¹

¹Dynamical Systems Lab, IFIBA-Physics dept, University of Buenos Aires, Pabellón 1, Ciudad Universitaria, CABA 1428EGA, Argentina, ²Acoustics and Sound Perception Lab, Universidad of Quilmes, Roque Sáenz Peña 352, Bernal, Buenos Aires B1876BXD, Argentina, ³Integrative Neuroscience Lab, IFIBA-Physics dept, University of Buenos Aires, Pabellón 1, Ciudad Universitaria, CABA 1428EGA, Argentina, ⁴Torcuato Di Tella University, Almirante Juan Saenz Valiente 1010, C1428BIJ Buenos Aires, Argentina.

Supplementary Information Summary

Audio files of targets and imitations in wav format.

Audio S1_T1 contains the target sentence T1.

Audio S2_I1c1 contains the caricature of T1 from impersonator 1.

Audio S3_I1r1 contains the replica of T1 from impersonator 1.

Audio S4_I2c1 contains the caricature of T1 from impersonator 2.

Audio S5_I2r1 contains the replica of T1 from impersonator 2.

Audio S6_I3c1 contains the caricature of T1 from impersonator 3.

Audio S7_I3r1 contains the replica of T1 from impersonator 3.

Audio S8_I4c1 contains the caricature of T1 from impersonator 4.

Audio S9_I4r1 contains the replica of T1 from impersonator 4.

Audio S10_I5c1 contains the caricature of T1 from impersonator 5.

Audio S11_I5r1 contains the replica of T1 from impersonator 5.

Audio S12_T2 contains the target sentence T2.

Audio S13_I1c2 contains the caricature of T2 from impersonator 1.

Audio S14_I1r2 contains the replica of T2 from impersonator 1.

Audio S15_I2c2 contains the caricature of T2 from impersonator 2.

Audio S16_I2r2 contains the replica of T2 from impersonator 2.

Audio S17_I3c2 contains the caricature of T2 from impersonator 3.

Audio S18_I3r2 contains the replica of T2 from impersonator 3.

Audio S19_I4c2 contains the caricature of T2 from impersonator 4.

Audio S20_I4r2 contains the replica of T2 from impersonator 4.

Audio S21_I5c2 contains the caricature of T2 from impersonator 5.

Audio S22_I5r2 contains the replica of T2 from impersonator 5.