**Stimuli from:**Zäske, R. & Schweinberger, S. R. (2011). You are only as old as you sound: Auditory aftereffects in vocal age perception. *Hearing Research, 282,* 283-288.

**Content:** 240 audio-files in wav-format

**Short Description:**   
(a Word file with detailed description can be downloaded)

Morphs across vocal age for 5 female and 5 male pairs of young (20 +/- 2 years) and older (70 +/- 2 years) voices uttering /aba/, /aga/, /ibi/, and /igi/. All voices have been recorded and edited by researchers at the PPRU, so that this paper should also be cited in any publication using the stimuli.

Voice stimuli were standardized with respect to timing of consonant onsets and overall duration (824 ms including 50 ms silence at the beginning and end) and normalized for average RMS amplitude by means of Adobe AuditionTM 1.5 software. Pre-processed voices were used to create young-old morphs via an auditory morphing algorithm (Kawahara & Matsui, 2003) using MATLAB R2008b. From each morphed pair, 4 stimuli were chosen as test stimuli, corresponding to 80/20%, 60/40%, 40/60%, and 20/80% young/old proportions. We assumed that these morph levels should approximately correspond to 30, 40, 50, and 60 years of vocal age, respectively. Original young and old voices from the same pairs as above were used as adaptors. In order to minimize potential low-level adaptation effects, adaptors and test stimuli were always chosen from different speaker pairs and syllables.

File name conventions (e.g. P2\_F\_aba\_0.6.wav) code for the following information in order: Pair # (1-5), gender (F or M), and morph level (0.0-1.0, where 0.0 corresponds to 100% proportion of the young voice and 1.0 corresponds to 100% proportion of the old voice).

Stimuli with morph levels 0.2, 0.4, 0.6, and 0.8 (~30, ~40, ~50, and ~60 years) were used as test stimuli. Stimuli with morph levels 0.0 and 1.0 (~20 and ~70 years) correspond to original young and old voices respectively and were used as adaptors only.

[PICTOGRAMM]

Note that these stimuli have been provided to you as an academic researcher on the agreement that you:

* will make sure that the stimuli are not passed on to other researchers without previous request to, and agreement from, the authors of the original Vision Research paper (present mail address of corresponding author: [romi.zaeske@uni-jena.de](mailto:romi.zaeske@uni-jena.de))
* will cite the following articles in any published report of your research

Zäske, R. & Schweinberger, S. R. (2011). You are only as old as you sound: Auditory aftereffects in vocal age perception. *Hearing Research, 282,* 283-288.

Kawahara, H. & Matsui, H. (2003). Auditory morphing based on an elastic perceptual distance metric in an interference-free time-frequency representation. *Proceedings of the 2003 IEEE International Conference on Acoustics, Speech, and Signal Processing, Vol I (Piscataway, NJ: IEEE),* 256-259.