**Supplementary materials**

## Auditory stimuli (continued)

The statement utterances from our speaker of Peruvian Spanish included a nuclear configuration of L\* L%. The examples provided in the top row of Figure 19 are primarily differentiated by a prenuclear L+>H\* in the broad focus condition and L+H\* in the narrow focus condition. With regard to questions, this speaker often used a L+H\* L% nuclear configuration for wh- questions, and L\* HH% for yes-no questions. More information on Peruvian intonation is available in Sosa (1999) and O’Rourke (2005).

Chart

Description automatically generated with low confidence

*Figure* *19.*  Waveform, spectrogram, and F0 trace exemplifying a broad focus (top left), narrow focus (top right), wh- question (bottom left), and yes/no question (bottom right) from a 30 year old male speaker of Peruvian (Lima) Spanish.

In Figure 20 we see example utterances from the Puerto Rican speaker. We typically only found a distinction in broad and narrow focus items in the prenuclear pitch accents (L+H\* and H\*, respectively). On occasion this speaker produced final rises for wh- questions (L\* HH%), but also often used a falling contour. For yes/no questions, this speaker produced H+L\* L% configurations. More information on Puerto Rican intonation is available to the reader in Quilis (1981), Quilis (1987), Quilis (1993), Sosa (1999), Sosa (2003b), Armstrong (2010), and Armstrong (2012), among many others.

Graphical user interface

Description automatically generated

*Figure* *20.*  Waveform, spectrogram, and F0 trace exemplifying a broad focus (top left), narrow focus (top right), wh- question (bottom left), and yes/no question (bottom right) from a 35 year old female speaker of Puerto Rican (Ponce) Spanish.