

Southern Min
Tone

75%

25%

phe^{fo}

o^{lc}

o^{ho}

tshe^r

tshe^{lo}

phe^{hc}

Japanese
Vowel length

75%

25%

hee^{ya}

to^{ri}

to^{ori}

shi^{ku}

shi^{li}ku

he^{ya}

Mandarin
Fricatives

75%

25%

sh^{ao}

ji^{ou}

zh^{ou}

qi^{ang}

ch^{ang}




xi^{ao}






Use arrow keys ('←' and '→') to click through to listen to the sound stimuli.



Use arrow keys (“←” and “→”) to click through to listen to the sound stimuli.

| | Southern Min Tone | | Japanese Vowel length | | Mandarin Fricatives | |
|---|---------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| | 75% | 25% | 75% | 25% | 75% | 25% |
|  | <u>phe</u> ^{fo} | <u>o</u> ^{lc} | <u>he</u> ^{ya} | <u>t</u> ^{ori} | <u>sh</u> ^{ao} | <u>ji</u> ^{ou} |
|  | <u>o</u> ^{ho} | <u>tshe</u> ^r | <u>t</u> ^{oori} | <u>sh</u> ^{iku} | <u>zh</u> ^{ou} | <u>qi</u> ^{ang} |
|  | <u>tshe</u> ^{lo} | <u>phe</u> ^{hc} | <u>sh</u> ^{iku} | <u>he</u> ^{ya} | <u>ch</u> ^{ang} | <u>xi</u> ^{ao} |

Use arrow keys (“←” and “→”) to click through to listen to the sound stimuli.

| | Southern Min Tone | | Japanese Vowel length | | Mandarin Fricatives | |
|---|---------------------------|--------------------------|--------------------------|---------------|------------------------|---------------|
| | 75% | 25% | 75% | 25% | 75% | 25% |
|  | <u>phe</u> ^{fo} | <u>o</u> ^{lc} | <u>hee</u> ya | <u>t</u> ori | <u>sh</u> ao | <u>ji</u> ou |
|  | <u>o</u> ho | <u>tshe</u> ^r | <u>t</u> oori | <u>sh</u> iku | <u>zh</u> ou | <u>qi</u> ang |
|  | <u>tshe</u> ^{lo} | <u>phe</u> ^{hc} | <u>sh</u> iku | <u>h</u> eya | <u>ch</u> ang | <u>xi</u> ao |