*Appendix B. Judges’ responses to adults’ productions of disyllabic tone combinations*

*Judges' Responses to adults’ disyllabic tones Productions*

|  |  |
| --- | --- |
| **Target tones** | **Judges' responses (%)** |
| **T11** | **T12** | **T13** | **T14** | **T21** | **T22** | **T23** | **T24** | **T31** | **T32** | **T34** | **T41** | **T42** | **T43** | **T44** |
| **T11** | **82** | 0 | 9 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 |
| **T12** | 0 | **100** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **T13** | 0 | 8 | **92** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **T14** | 0 | 0 | 3 | **94** | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **T21** | 0 | 0 | 0 | 0 | **100** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **T22** | 0 | 0 | 0 | 0 | 0 | **100** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **T23** | 0 | 0 | 0 | 0 | 0 | 0 | **100** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **T24** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **100** | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **T31** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **100** | 0 | 0 | 0 | 0 | 0 | 0 |
| **T32** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **100** | 0 | 0 | 0 | 0 | 0 |
| **T34** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **100** | 0 | 0 | 0 | 0 |
| **T41** | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | **94** | 0 | 0 | 0 |
| **T42** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **100** | 0 | 0 |
| **T43** | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 3 | **94** | 0 |
| **T44** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **100** |

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| *Judges' responses to 2- to 4-year-old children's productions of disyllabic tone combinations.*  |
| **Target tones** | **Judges' responses (%)** |
| **T11** | **T12** | **T13** | **T14** | **T21** | **T22** | **T23** | **T24** | **T31** | **T32** | **T34** | **T41** | **T42** | **T43** | **T44** |
| **T11** | **53** | 1 | 10 | 4 | 14 | 0 | 0 | 0 | 0 | 1 | 0 | 16 | 1 | 0 | 0 |
| **T12** | 2 | **45** | 20 | 1 | 1 | 0 | 9 | 0 | 0 | 10 | 0 | 2 | 6 | 0 | 3 |
| **T13** | 1 | 5 | **63** | 10 | 0 | 2 | 9 | 0 | 0 | 1 | 0 | 1 | 4 | 2 | 1 |
| **T14** | 2 | 0 | 0 | **65** | 0 | 2 | 4 | 11 | 0 | 0 | 0 | 5 | 2 | 0 | 11 |
| **T21** | 4 | 0 | 0 | 4 | **77** | 0 | 1 | 2 | 6 | 0 | 4 | 1 | 1 | 0 | 0 |
| **T22** | 0 | 6 | 7 | 2 | 3 | **49** | 19 | 1 | 0 | 3 | 0 | 5 | 4 | 0 | 0 |
| **T23** | 1 | 4 | 26 | 7 | 0 | 0 | **62** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **T24** | 1 | 0 | 0 | 2 | 6 | 2 | 16 | **67** | 0 | 1 | 4 | 0 | 0 | 0 | 0 |
| **T31** | 3 | 0 | 0 | 0 | 13 | 0 | 0 | 2 | **60** | 2 | 5 | 13 | 2 | 0 | 0 |
| **T32** | 0 | 1 | 1 | 3 | 1 | 1 | 0 | 1 | 2 | **80** | 4 | 3 | 1 | 0 | 1 |
| **T34** | 0 | 0 | 0 | 0 | 6 | 0 | 2 | 12 | 10 | 0 | **57** | 4 | 1 | 0 | 8 |
| **T41** | 23 | 0 | 0 | 1 | 4 | 1 | 1 | 1 | 2 | 2 | 0 | **58** | 2 | 1 | 2 |
| **T42** | 0 | 7 | 4 | 0 | 0 | 1 | 1 | 1 | 0 | 8 | 0 | 12 | **51** | 13 | 1 |
| **T43** | 0 | 2 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 16 | **63** | 3 |
| **T44** | 5 | 1 | 1 | 22 | 0 | 0 | 1 | 9 | 0 | 0 | 6 | 5 | 2 | 0 | **49** |

Note: The cells in black mark correct identification of the tones. The light shaded cells mark error patterns that constitute more than 10% of the total number of trials for the tone.