

Descriptive statistics for the acoustic parameters

We tested n=72 children in total by year group, 24 in UK Years 1&2 (10 girls, mean age=6.48; SE=.14; 14 boys, mean age = 7.0 SE =.11), 22 in Years 3& 4 (12 girls, mean age= 8.6 SE=.13; 10 boys, mean age = 8.4 SE =.17), and 26 in Years 5&6 (14 girls, mean age= 9.97 SE=.14; 12 boys, mean age =9.7 SE =.12). F0 and DF values (Mean, N, SD, Min, Max) for each character type by sex and year group are reported below.

Table S1. Children’s F0 and DF values (Mean, N, SD, Min, Max) for each character type (feminine, neutral and masculine) by sex and UK year group.

| | | Feminine | | | Neutral | | | Masculine | | |
|--------------|------|-----------|-----------|-------------|-----------|-----------|-------------|-----------|-----------|-------------|
| <i>Girls</i> | | <i>F0</i> | <i>ΔF</i> | <i>aVTL</i> | <i>F0</i> | <i>ΔF</i> | <i>aVTL</i> | <i>F0</i> | <i>ΔF</i> | <i>aVTL</i> |
| 1-2 Yr Group | Mean | 302.7 | 1509.9 | 11.6 | 283.7 | 1498.6 | 11.7 | 253.1 | 1469.5 | 11.9 |
| | N | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| | SD | 40.5 | 47.3 | 0.4 | 34.3 | 35.5 | 0.3 | 29.6 | 52.1 | 0.4 |
| | Min | 252.1 | 1434.4 | 11.1 | 228.2 | 1433.1 | 11.3 | 207.1 | 1376.3 | 11.2 |
| | Max | 383.2 | 1581.9 | 12.2 | 333.7 | 1550.3 | 12.2 | 289.7 | 1560.8 | 12.7 |
| 3-4 Yr Group | Mean | 294.6 | 1462.6 | 12.0 | 270.1 | 1432.3 | 12.2 | 251.5 | 1419.9 | 12.3 |
| | N | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| | SD | 36.1 | 40.9 | 0.3 | 40.3 | 29.4 | 0.3 | 41.1 | 33.5 | 0.3 |
| | Min | 243.4 | 1398.4 | 11.3 | 224.9 | 1381.4 | 11.9 | 213.9 | 1376.3 | 11.9 |
| | Max | 365.9 | 1548.0 | 12.5 | 349.9 | 1470.7 | 12.7 | 356.8 | 1474.3 | 12.7 |
| 5-6 Yr Group | Mean | 286.3 | 1455.9 | 12.0 | 262.1 | 1440.6 | 12.2 | 241.4 | 1419.7 | 12.3 |
| | N | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| | SD | 36.1 | 47.2 | 0.4 | 30.8 | 50.2 | 0.4 | 34.7 | 40.9 | 0.4 |
| | Min | 226.4 | 1386.4 | 11.4 | 230.8 | 1361.1 | 11.4 | 205.3 | 1340.3 | 11.7 |
| | Max | 343.5 | 1530.3 | 12.6 | 353.5 | 1539.2 | 12.9 | 335.7 | 1498.0 | 13.1 |
| Total | Mean | 293.6 | 1473.1 | 11.9 | 270.7 | 1453.9 | 12.1 | 248.0 | 1433.6 | 12.2 |
| | N | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 |
| | SD | 36.9 | 49.7 | 0.4 | 35.3 | 48.3 | 0.4 | 35.1 | 46.7 | 0.4 |
| | Min | 226.4 | 1386.4 | 11.1 | 224.9 | 1361.1 | 11.3 | 205.3 | 1340.3 | 11.2 |
| | Max | 383.2 | 1581.9 | 12.6 | 353.5 | 1550.3 | 12.9 | 356.8 | 1560.8 | 13.1 |
| | | | | | | | | | | |
| <i>Boys</i> | | <i>F0</i> | <i>ΔF</i> | <i>aVTL</i> | <i>F0</i> | <i>ΔF</i> | <i>aVTL</i> | <i>F0</i> | <i>ΔF</i> | <i>aVTL</i> |
| 1-2 Yr Group | Mean | 290.4 | 1453.9 | 12.1 | 274.8 | 1452.1 | 12.1 | 273.6 | 1413.9 | 12.4 |
| | N | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| | SD | 55.6 | 41.4 | 0.3 | 36.0 | 60.3 | 0.5 | 33.0 | 40.4 | 0.4 |
| | Min | 217.9 | 1372.7 | 11.4 | 234.3 | 1351.1 | 11.3 | 238.8 | 1345.4 | 11.8 |
| | Max | 414.7 | 1540.4 | 12.8 | 356.0 | 1555.0 | 13.0 | 344.4 | 1485.9 | 13.0 |
| 3-4 Yr Group | Mean | 290.8 | 1392.9 | 12.6 | 285.3 | 1408.2 | 12.4 | 250.3 | 1372.0 | 12.8 |
| | N | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| | SD | 49.6 | 43.4 | 0.4 | 40.8 | 27.8 | 0.2 | 32.9 | 48.6 | 0.5 |

| | | | | | | | | | | |
|--------------|------|-------|--------|------|-------|--------|------|-------|--------|------|
| | Min | 212.9 | 1308.7 | 12.1 | 226.5 | 1377.8 | 11.9 | 216.2 | 1298.0 | 12.0 |
| | Max | 368.6 | 1448.5 | 13.4 | 348.7 | 1466.3 | 12.7 | 299.7 | 1465.2 | 13.5 |
| | Mean | 262.0 | 1410.3 | 12.5 | 247.8 | 1367.6 | 12.8 | 224.8 | 1344.9 | 13.1 |
| | N | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 5-6 Yr Group | SD | 57.6 | 71.8 | 0.6 | 26.7 | 77.7 | 0.7 | 35.1 | 69.9 | 0.7 |
| | Min | 194.2 | 1301.6 | 11.5 | 204.7 | 1223.0 | 11.7 | 181.2 | 1251.9 | 12.0 |
| | Max | 363.9 | 1517.1 | 13.5 | 284.9 | 1496.0 | 14.3 | 300.4 | 1464.4 | 14.0 |
| | Mean | 281.1 | 1422.4 | 12.3 | 268.7 | 1411.7 | 12.4 | 250.8 | 1379.3 | 12.7 |
| | N | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 |
| Total | SD | 54.9 | 58.6 | 0.5 | 37.1 | 69.1 | 0.6 | 38.9 | 60.4 | 0.6 |
| | Min | 194.2 | 1301.6 | 11.4 | 204.7 | 1223.0 | 11.3 | 181.2 | 1251.9 | 11.8 |
| | Max | 414.7 | 1540.4 | 13.5 | 356.0 | 1555.0 | 14.3 | 344.4 | 1485.9 | 14.0 |