

Appendix 7

Several variables did not meet the ANOVA assumption of homoscedasticity and were transformed. The below table demonstrates that the raw, transformed, and non-parametric (*nparLD*, Noguchi et al. 2012) *P*-values for these variables reflected the same statistical patterns, even when correcting for multiple comparisons.

Song Characteristic (ANOVA)	Raw <i>P</i> value	Transformed <i>P</i> -value	Raw Bonferroni <i>P</i> -value	Transformed Bonferroni <i>P</i> value	Untransformed, non-parametric <i>P</i> -value
Full Song Duration	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Syllable Rate	0.3730	0.5220	1.0000	1.0000	0.6204
Minimum Frequency (Hz)	0.7730	0.9100	1.0000	1.0000	0.5070
% Pause	0.0001	<0.0001	<0.0001	0.0007	0.0576