

Table S1. Popular and Unpopular acoustic traits.

	Mean							Variance					
	Amplitude (dB)	Pitch (Hz)	FM (deg)	AM^2 (1/ms)	Entropy	Pitch, goodness	Frequency (Hz)	Pitch (Hz)	FM (deg)	Entropy	Pitch, goodness	Frequency (Hz)	AM
Popular	47.9±5.6	1029±74	38.3±6.6	-0.00098±0.00048	-1.71±0.36	230.85±33.7	2811.5±679	1148000±644000	648±52	0.545±0.13	37900±7600	342000±240000	0.005885±0.00135
Unpopular	51.25±6.3	1254±540	40.15±5.5	-0.001055±0.00035	-2.175±0.07	233±162.2	3318.5±111	2084500±45000	622.5±217	1.28±1.68	41200±59000	539000±56000	0.006395±0.00165

Values are means ± range for the two Popular and Unpopular songs.