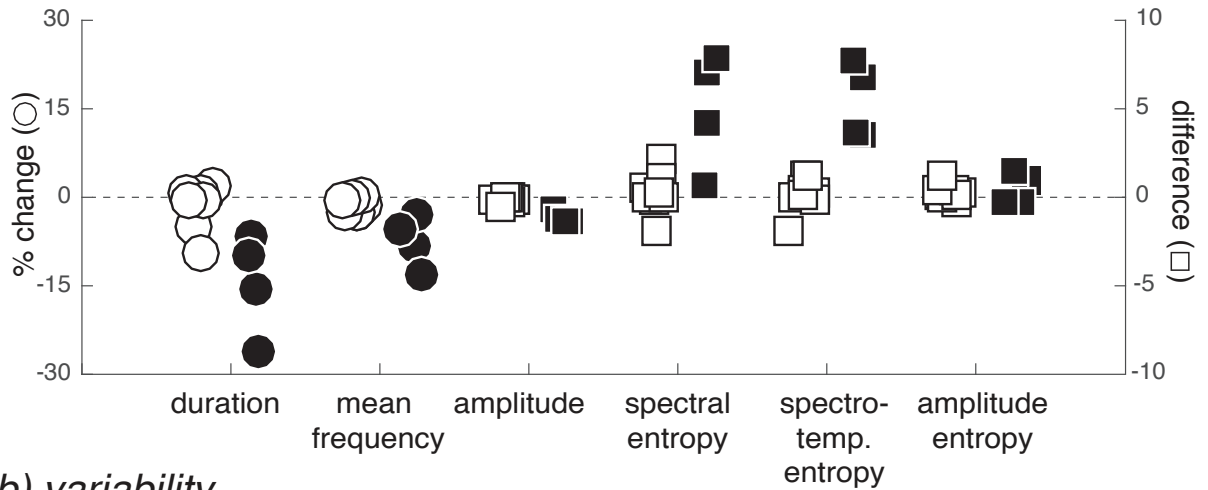
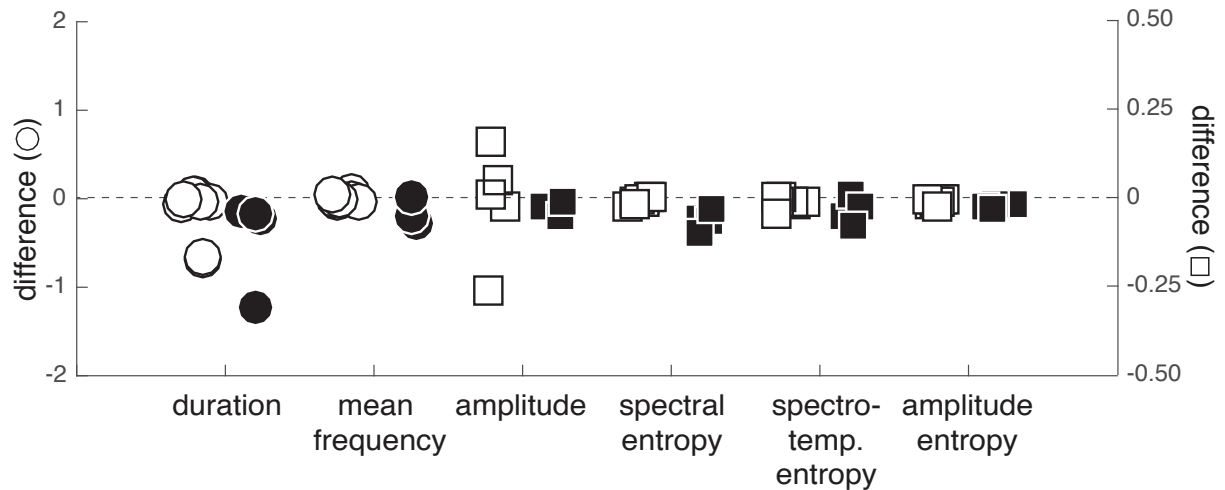


(a) median values



(b) variability



Supplementary Figure 5. Comparison of magnitudes of effect of muscimol for non-degraded and degraded songs. White symbols depict the degree of change in response to relatively lower doses of muscimol that did not lead to qualitative degradation of syllables, while filled symbols depict the degree of change in response to higher doses that led to the production of degraded syllables (see main text). The degree of change is represented by the percent change or difference in response to muscimol or control infusions (see Figure 3). Change in median values are depicted in (a) and in variability (normIQR) in (b). Data for circles are scaled to values on the y-axis on the left side of the panel, whereas data for squares are scaled to values on the y-axis on the right of the panel. For many of the features, the magnitude of change (distance from zero) is greater when relatively high doses of muscimol were administered (see also Supplementary Figure 1 for information on doses and classification of datasets).