



Figure 1. Spectrograms of four of the selected music stimuli with time (seconds) on horizontal scale and frequency (Hz) on vertical scale. **(A)** Negative valence stimulus that was identified as high arousal in the normed dataset but shows very little spectral flux and was therefore relabeled as low arousal. **(B)** Negative valence stimulus that was identified as high arousal in the normed dataset and shows high spectral flux and therefore retained its high arousal label. **(C)** Positive valence stimulus that was identified as low arousal in the normed dataset and shows low spectral flux and therefore retained its low arousal label. **(D)** Positive valence stimulus that was identified as high arousal for first half and low arousal for second half but shows high spectral flux throughout entire duration and was therefore relabeled as only high arousal.