*Supplement: Details of the establishment of inter-rater agreement*

In order to establish the inter-rater agreement for the duration of vocalizations, 30 seconds of 6 recordings were randomly chosen. The recordings were double coded by the first author and a trained coder. Start and stop times were marked for each infant vocalization and parental utterance. The time values were then subtracted to determine the duration of agreement and disagreement with a window of tolerance of 100 ms. Kappa was computed as the ratio of the duration of agreement to the sum of duration of agreement and disagreement. Thus, if coders marked the beginning and end of a vocalization at the same time point (+/- 100 ms), the value of kappa was 1. If one coder marked a vocalization and the other did not mark any vocalization during a given period, the agreement was 0. The ratios were averaged to provide an overall kappa. The obtained kappa was .820 for infant vocalizations and .855 for parental utterances.