



*Figure S5.* Two representative responses from listeners who completed both binary and unitary judgements. Panels A and B correspond to one single listener (Sub01), while Panels C and D correspond to a different, single listener (Sub02). Panels A and C depict the average proportion of roll responses, from the binary task, as a function of the number of impulses in the sound. Panel B and D depict the average roll and bounce ratings, from the unitary task, as a function of the number of impulses in the sound. The ratings from the ‘rolling’ scale are indicated with the solid line, while the ratings from the ‘bouncing’ scale are indicated with the dashed line. Standard error of the mean is reflected at each data point for each listener.