

Supplementary figure 5. Pecking differences between the first and second experiment. To assess differences in pecking rates between the two experiments, we compared the absolute numbers of pecks for all stimuli receiving a single US and were not part of the additivity training. In A), differences for Phase 1 are shown. Here, pecks elicited by stimuli A, B, C and D were assessed from experiment 1 for each individual pigeon and compared to the pecking rates of the same stimuli from experiment 2 using an unpaired t-test. We found that pecks were significantly reduced in experiment 2 compared to experiment 1 (t(126) = 4.94, p < .001, d = 0.87). In B), the results for Phase 2 are shown (analyzing stimulus AD, BY and D). Here, pecking rates were again reduced in experiment 2 compared to experiment 1 (t(94) = 5.41, p < .001, d = 1.10).