

Table S1. Random effects from the Generalized Linear Mixed Model

Yawning:			
Groups	Name	Variance	Std.Dev.
BIRD:GROUP	(Intercept)	0.000000	0.00000
GROUP	(Intercept)	0.002006	0.04479
Stretching:			
Groups	Name	Variance	Std.Dev.
BIRD:GROUP	(Intercept)	0.009198	0.09591
GROUP	(Intercept)	0.017949	0.13397
Scratch:			
Groups	Name	Variance	Std.Dev.
BIRD:GROUP	(Intercept)	3.526e-03	5.938e-02
GROUP	(Intercept)	2.354e-10	1.534e-05
Shake:			
Groups	Name	Variance	Std.Dev.
BIRD:GROUP	(Intercept)	0.01919	0.1385
GROUP	(Intercept)	0.01825	0.1351

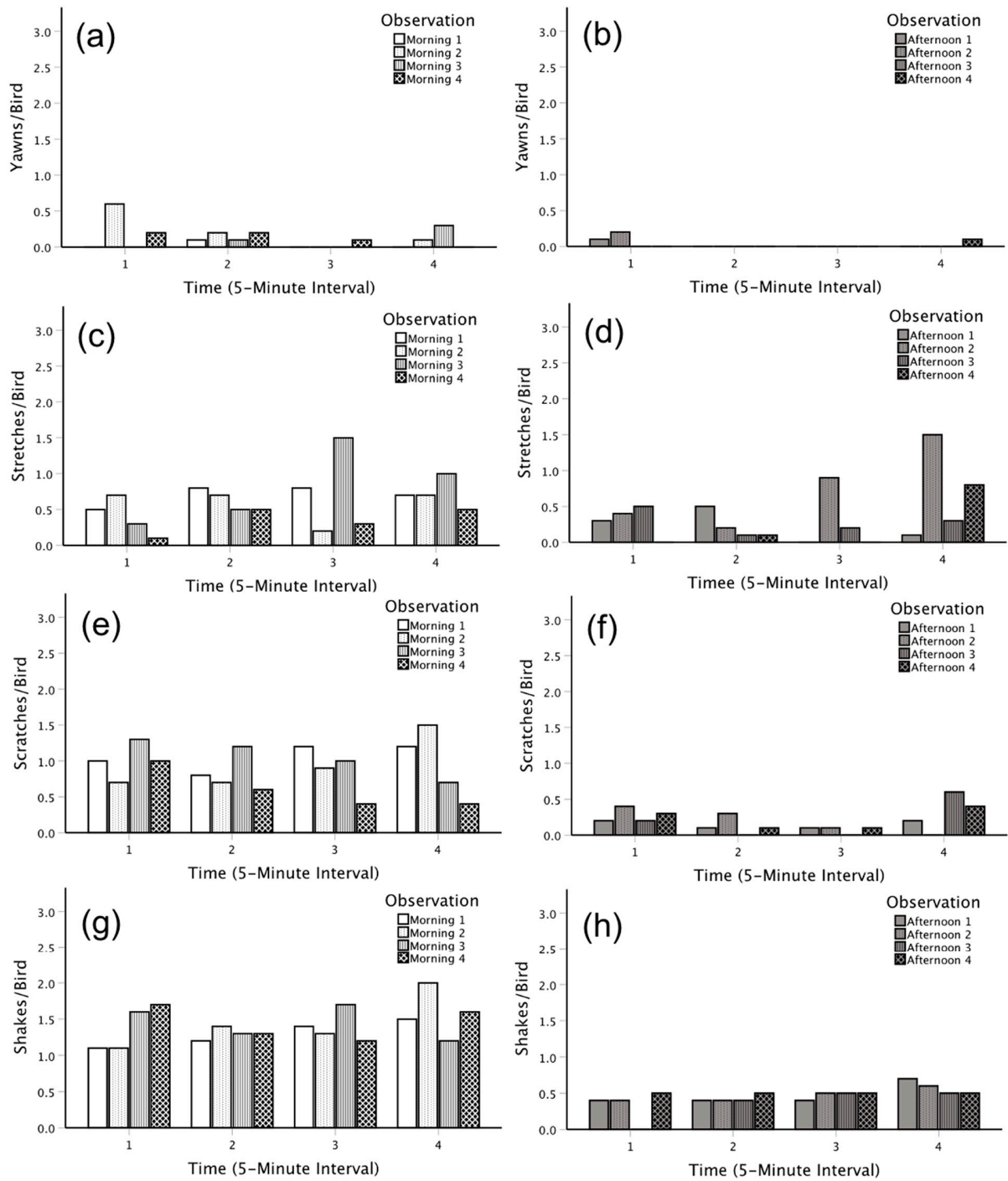


Figure S1. The temporal distribution of (a,b) yawning, (c,d) stretching, (e,f) scratching, and (g,h) shaking across the two 20-minute morning and two 20-minute afternoon observation periods depicted within 5-minute intervals.

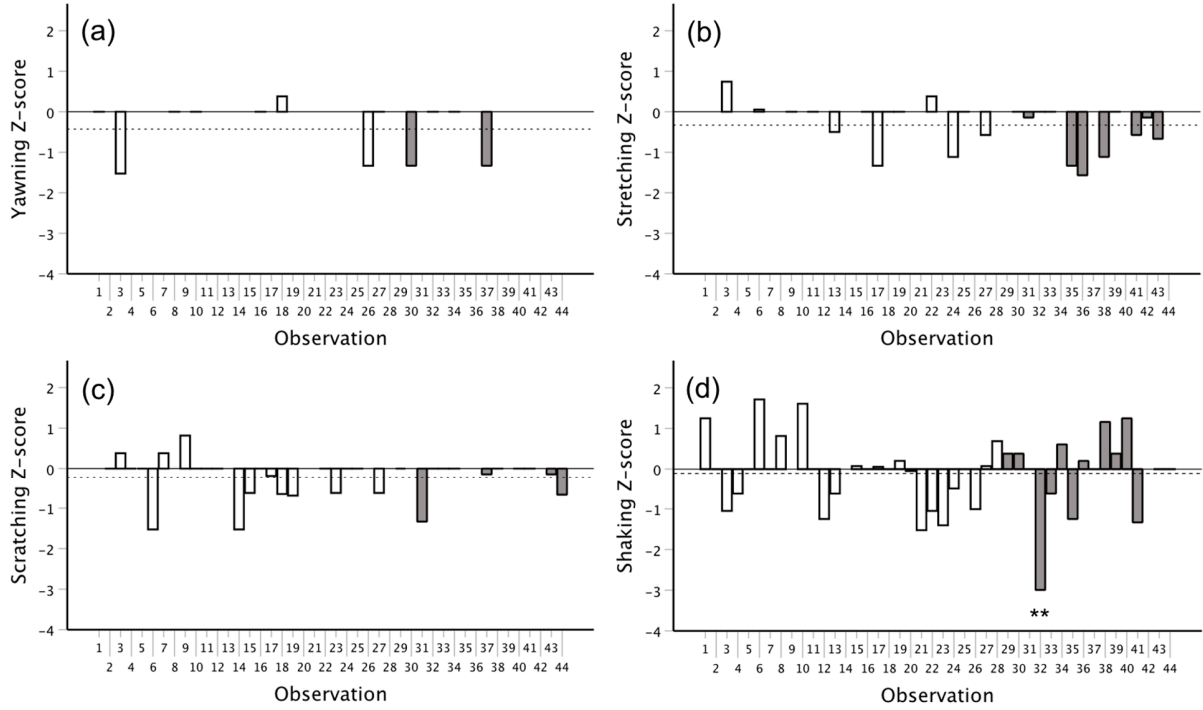


Figure S2. The distribution of Z-scores from the 60-second runs test analyses for (a) yawning, (b) stretching, (c) scratching, and (d) shaking across all morning (white) and afternoon (gray) observations. For yawning, 0/12 runs tests were significant; combined probability test ($X^2(24) = 15.053$, $p = 0.919$). For stretching, 0/24 runs tests were significant; combined probability test ($X^2(48) = 23.583$, $p = 0.998$). For scratching, 0/31 runs tests were significant; combined probability test ($X^2(62) = 23.526$, $p = 0.999$). For shaking, 1/41 runs tests were significant; combined probability test ($X^2(82) = 66.967$, $p = 0.885$).

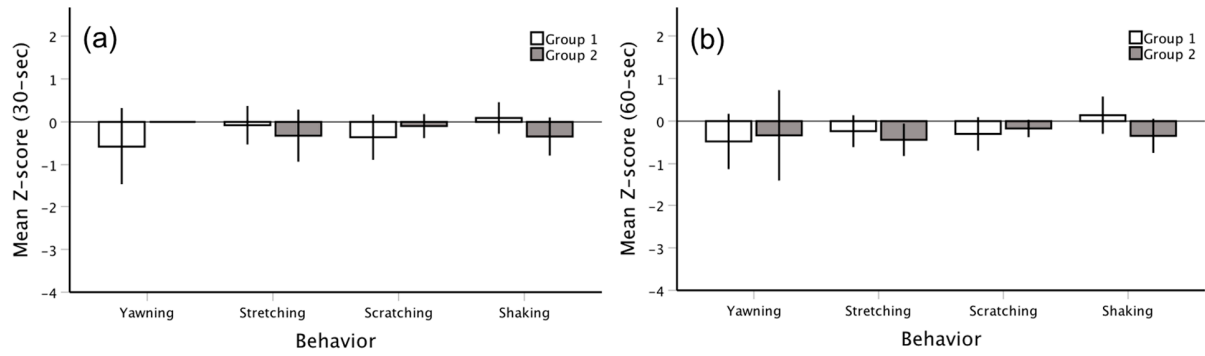


Figure S3. The mean Z-scores from the 30- (a) and 60-second (b) runs test analyses between Group 1 and Group 2. The level of temporal clustering did not vary as a function of group compositions. Note: $M \pm 95\%$ CI; all p -values > 0.05 .

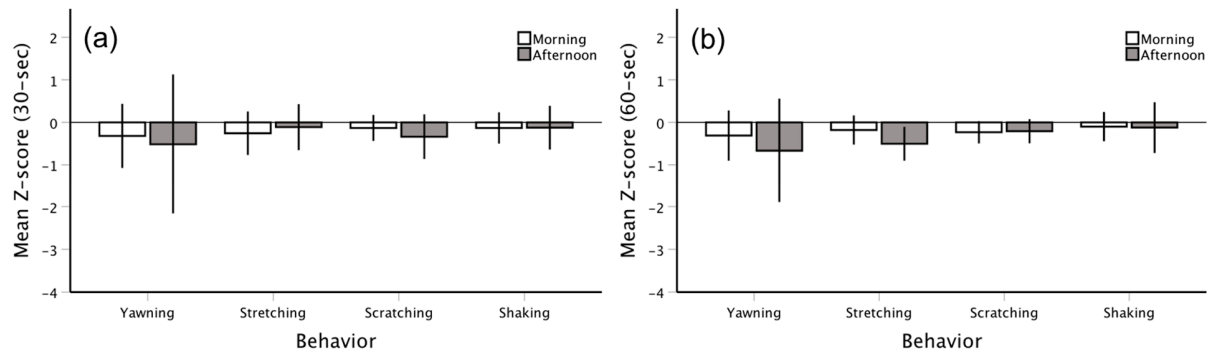


Figure S4. The mean Z-scores from the 30- (a) and 60-second (b) runs test analyses between morning and afternoon observations. The level of temporal clustering did not vary as a function of the time of the observations. Note: $M \pm 95\%$ CI; all p -values > 0.05 .