



Additional file 4. Estimated covariate effects as affected by individual animals, time periods during the day and during the season. Symbols show mean estimated covariate effects on grazing (a), resting (b), and walking activity (c) in the six study areas A-F (colors identical to Figure 4) for different subsets of the data: squares with numbers are estimates for individual animals, rhombi are estimates for 4 hours periods with increasing grayshade from 6am and circles are estimates for 14 days periods. All estimates were obtained using a Gamma prior to τ_s and τ_z with shape 1 and rate 0.0025.