

**Table S6** MCMC GLMM analysis of the relationship between factors and mobbing individuals of species.

|                                       | Posterior<br>mean | 95% confidence<br>interval Upper limit | 95% confidence<br>interval Lower limit | <i>P-MCMC</i> |
|---------------------------------------|-------------------|----------------------------------------|----------------------------------------|---------------|
| <b>Random effects</b>                 |                   |                                        |                                        |               |
| Phylogenetic relationship             | 0.213             | 0.000                                  | 1.091                                  |               |
| Residual                              | 0.667             | 0.216                                  | 1.219                                  |               |
| <b>Fixed effects</b>                  |                   |                                        |                                        |               |
| Residency status (R-P)                | <b>1.662</b>      | <b>0.232</b>                           | <b>3.255</b>                           | <b>0.018</b>  |
| Residency status (S-P)                | <b>1.343</b>      | <b>-0.202</b>                          | <b>2.911</b>                           | <b>0.078</b>  |
| Residency status (W-P)                | -0.652            | -3.858                                 | 2.639                                  | 0.718         |
| Morphological<br>characteristics PCA1 | <b>-0.284</b>     | <b>-0.414</b>                          | <b>-0.145</b>                          | <b>0.001</b>  |
| Foraging behavior PCA1                | -0.139            | -0.307                                 | 0.032                                  | 0.120         |
| Hand-wing index                       | <b>0.300</b>      | <b>-0.022</b>                          | <b>0.565</b>                           | <b>0.056</b>  |
| Foraging height                       | -0.041            | -0.288                                 | 0.242                                  | 0.740         |
| Intraspecific sociality               | -0.009            | -0.310                                 | 0.276                                  | 0.970         |
| Interspecific sociality               | -0.130            | -0.470                                 | 0.228                                  | 0.448         |
| Species abundance                     | <b>0.736</b>      | <b>0.383</b>                           | <b>1.048</b>                           | <b>0.001</b>  |
| Intercept                             | 0.327             | -1.371                                 | 1.867                                  | 0.668         |
| <b>DIC</b>                            |                   |                                        | 332.297                                |               |