**Supplementary Table 2**
Ranking of the models (including null model) within 95% confidence intervals ($\sum \omega_i=0.95$) explaining the immunoreactive fecal cortisol concentration in European bison ($\Delta AIC - AIC$ differences, $\omega_i$ - Akaike weights, Rank - rank of the models based on AIC values, SITE - location (Poznań, Warsaw or Goluchów); VISIT - visitor pressure (low and elevated number of visitors), AGE – age of animals, SEX – sex of animals, * - interaction); bolded text in the row indicates chosen model.

| Model                                              | $\Delta AIC$ | $\omega_i$ | Rank |
|----------------------------------------------------|--------------|------------|------|
| SITE + VISIT + SEX + SITE*VISIT + SEX*VISIT        | 0.000        | 0.380      | 1    |
| SITE + VISIT + SEX + SITE*VISIT                    | **0.907**    | **0.242**  | 2    |
| SITE + VISIT + SITE*VISIT                           | 2.010        | 0.139      | 3    |
| SITE + VISIT + SEX + AGE + SITE*VISIT + SEX*VISIT  | 3.356        | 0.071      | 4    |
| SITE + VISIT + SEX + AGE + SITE*VISIT + SEX*VISIT + AGE*VISIT | 3.482 | 0.067 | 5 |
| SITE + VISIT + SEX + AGE + SITE*VISIT + AGE*VISIT  | 4.446        | 0.041      | 6    |
| SITE + VISIT + SEX + AGE + SITE*VISIT              | 5.269        | 0.027      | 7    |
| null model                                          | 23.302       | 0.000      | 30   |