**Table 2.** Full poisson or negative binomial GLM results evaluating effects of sex, age and body weight on cell damage frequencies in grey squirrels (*Sciurus carolinensis*) and wild boars (*Sus scrofa*).

| Model variables | Estimate | SE | z value | Pr(>\|z\|) |
|---|---|---|---|---|
| ***Sciurus carolinensis*** | | | | |
| Micronuclei: Poisson *MNi ~ Age + Sex + Weight* | | | | |
| Intercept | 0.876 | 4.520 | 0.194 | 0.846 |
| Age[T.Juveniles] | -1.077 | 1.819 | -0.592 | 0.554 |
| Sex[T.Males] | 0.455 | -0.919 | -0.495 | 0.621 |
| Weight | -0.005 | 0.008 | -0.560 | 0.576 |
| Nuclear Buds: Poisson *NBUDs ~ Age + Sex + Weight* | | | | |
| Intercept | 0.628 | 2.397 | 0.262 | 0.793 |
| Age[T.Juveniles] | -0.777 | 0.964 | -0.806 | 0.420 |
| Sex[T.Males] | -0.344 | 0.492 | -0.700 | 0.484 |
| Weight | -0.002 | 0.004 | -0.422 | 0.673 |
| kidney-shaped nuclei: Poisson kidney-shaped nuclei ~ *Age + Sex + Weight* | | | | |
| Intercept | -6.886 | 4.998 | -1.378 | 0.168 |
| Age[T.Juveniles] | 1.231 | 1.693 | 0.727 | 0.467 |
| Sex[T.Males] | 0.313 | 1.002 | 0.312 | 0.755 |
| Weight | 0.009 | 0.009 | 1.012 | 0.312 |
| Broken eggs: Poisson *B.eggs ~ Age + Sex + Weight* | | | | |
| Intercept | -4.473 | 1.966 | 2.275 | -0.023 |
| Age[T.Juveniles] | 1.254 | 0.668 | 1.878 | 0.060 |
| Sex[T.Males] | 0.187 | 0.400 | 0.467 | 0.640 |
| Weight | 0.008 | 0.003 | 2.254 | 0.024 |
| Condensed Chromatine: Poisson *C.chrom ~ Age + Sex + Weight* | | | | |
| Intercept | 0.269 | 3.808 | 0.071 | 0.944 |
| Age[T.Juveniles] | -18.205 | 3014.419 | 0.006 | -0.995 |
| Sex[T.Males] | -1.790 | 1.107 | -1.617 | 0.106 |
| Weight | -0.002 | 0.007 | -0.253 | 0.800 |
| Total Aberrations: Poisson *T.aberrations ~ Age + Sex + Weight* | | | | |
| Intercept | 1.855 | 1.184 | 1.567 | 0.117 |
| Age[T.Juveniles] | -0.801 | 0.469 | -1.705 | 0.088 |
| Sex[T.Males] | -0.067 | 0.236 | -0.286 | 0.775 |
| Weight | -0.002 | 0.002 | 0.778 | -0.437 |
| Keratinized cells: Poisson *Keratinized ~ Age + Sex + Weight* | | | | |
| Intercept | 1.356 | 0.475 | 2.856 | 0.004 |
| Age[T.Juveniles] | 0.069 | 0.178 | 0.386 | 0.699 |
| Sex[T.Males] | -0.015 | 0.097 | -0.156 | 0.876 |
| Weight | 0.002 | 0.001 | 2.962 | 0.003 |
| Binucleated cells: Poisson *Binucleated ~ Age + Sex + Weight* | | | | |
| Intercept | -1.284 | 2.552 | -0.503 | 0.615 |
| Age[T.Juveniles] | -1.376 | 1.253 | -1.098 | 0.272 |
| Sex[T.Males] | -0.078 | 0.513 | -0.152 | 0.879 |
| Weight | 0.002 | 0.004 | 0.362 | 0.717 |

***Sus scrofa***

| | | | | |
|---|---|---|---|---|
| Micronuclei: Poisson *MNi ~ Age + Sex + Weight* | | | | |
| Intercept | -0.731 | 0.606 | -1.205 | 0.228 |
| Age[T.Juveniles] | 0.040 | 0.095 | 0.424 | 0.672 |
| Sex[T.Males] | 0.037 | -0.445 | -0.083 | 0.934 |
| Weight | -0.012 | 0.025 | -0.481 | 0.631 |
| Nuclear Buds: Poisson *NBUDs ~ Age + Sex + Weight* | | | | |
| Intercept | 0.497 | 0.406 | 1.223 | 0.221 |
| Age[T.Juveniles] | -0.067 | 0.068 | -0.991 | 0.322 |
| Sex[T.Males] | -0.020 | 0.282 | -0.071 | 0.943 |
| Weight | 0.018 | 0.017 | 1.029 | 0.303 |
| kidney-shaped nuclei: Poisson kidney-shaped nuclei ~ *Age + Sex + Weight* | | | | |
| Intercept | -0.434 | 0.492 | -0.882 | 0.378 |
| Age[T.Juveniles] | 0.074 | 0.074 | 1.007 | 0.314 |
| Sex[T.Males] | -0.412 | 0.364 | -1.133 | 0.257 |
| Weight | -0.017 | 0.020 | -0.869 | 0.385 |
| Broken eggs: Poisson *B.eggs ~ Age + Sex + Weight* | | | | |
| Intercept | -0.130 | 0.642 | -0.202 | 0.840 |
| Age[T.Juveniles] | -0.085 | 0.114 | -0.746 | 0.455 |
| Sex[T.Males] | -0.039 | 0.445 | -0.087 | 0.931 |
| Weight | 0.017 | 0.029 | 0.586 | 0.558 |
| Condensed Chromatine: Poisson *C.chrom ~ Age + Sex + Weight* | | | | |
| Intercept | -1.844 | 0.763 | -2.416 | 0.016 |
| Age[T.Juveniles] | 0.028 | 0.094 | 0.294 | 0.769 |
| Sex[T.Males] | 1.452 | 0.627 | 2.317 | 0.021 |
| Weight | -0.007 | 0.025 | -0.288 | 0.773 |
| Pycnotic nucleus: Negative binomial *P.nucleus ~ Age + Sex + Weight* | | | | |
| Intercept | 1.250 | 0.331 | 3.779 | 0.000 |
| Age[T.Juveniles] | -0.025 | 0.056 | -0.455 | 0.649 |
| Sex[T.Males] | -0.162 | 0.237 | -0.684 | 0.494 |
| Weight | 0.002 | 0.014 | 0.145 | 0.885 |
| Total Aberrations: Negative binomial *T.aberrations ~ Age + Sex + Weight* | | | | |
| Intercept | 1.585 | 0.278 | 5.695 | 0.000 |
| Age[T.Juveniles] | -0.004 | 0.045 | -0.087 | 0.931 |
| Sex[T.Males] | -0.034 | 0.200 | 0.171 | -0.864 |
| Weight | -0.002 | 0.012 | -0.151 | 0.880 |
| Keratinized cells: Negative binomial *Keratinized ~ Age + Sex + Weight* | | | | |
| Intercept | 3.633 | 0.104 | 34.906 | 0.000 |
| Age[T.Juveniles] | -0.015 | 0.017 | -0.875 | 0.382 |
| Sex[T.Males] | 0.007 | 0.075 | 0.095 | 0.924 |
| Weight | 0.003 | 0.004 | 0.631 | 0.528 |
| Binucleated cells: Negative binomial *Binucleated ~ Age + Sex + Weight* | | | | |
| Intercept | -0.745 | 0.674 | -1.107 | 0.268 |
| Age[T.Juveniles] | 0.110 | 0.104 | 1.057 | 0.290 |
| Sex[T.Males] | 0.124 | -0.497 | -0.250 | 0.803 |
| Weight | -0.029 | 0.028 | -1.052 | 0.293 |