

Table S1. Selection between Poisson, Negative binomial, and Zero-inflated models for every cell damage performed with an Akaike information criterion (AIC) approach.

Damage	Model	AIC
<i>Sciurus carolinensis</i>		
Micronuclei	Poisson	41.301
	Negative binomial	43.301
	Zero-inflated	46.345
Nuclear Buds	Poisson	78.869
	Negative binomial	80.869
	Zero-inflated	85.360
Indentation	Poisson	36.964
	Negative binomial	38.964
	Zero-inflated	44.964
Broken eggs	Poisson	90.659
	Negative binomial	92.659
	Zero-inflated	96.113
Chromatine	Poisson	46.593
	Negative binomial	48.594
	Zero-inflated	52.086
Pycnotic nucleus	Poisson	39.493
	Negative binomial	41.578
	Zero-inflated	42.327
Total Aberrations	Poisson	144.456
	Negative binomial	145.317
	Zero-inflated	-
Keratinized cells	Poisson	194.032
	Negative binomial	196.033
	Zero-inflated	-
Binucleated cells	Poisson	72.149
	Negative binomial	74.149
	Zero-inflated	80.149
<i>Sus scrofa</i>		
Micronuclei	Poisson	80.614
	Negative binomial	82.615
	Zero-inflated	84.183

Nuclear Buds	Poisson	123.823
	Negative binomial	125.824
	Zero-inflated	127.316
Indentation	Poisson	101.927
	Negative binomial	103.907
	Zero-inflated	102.809
Broken eggs	Poisson	82.189
	Negative binomial	84.189
	Zero-inflated	90.189
Chromatine	Poisson	81.193
	Negative binomial	83.029
	Zero-inflated	81.788
Pycnotic nucleus	Poisson	165.999
	Negative binomial	165.805
	Zero-inflated	166.667
Total Aberrations	Poisson	204.428
	Negative binomial	201.105
	Zero-inflated	-
Keratinized cells	Poisson	303.863
	Negative binomial	295.879
	Zero-inflated	-
Binucleated cells	Poisson	101.879
	Negative binomial	100.237
	Zero-inflated	103.240