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*Marine and Freshwater Research*

### **Supplementary Material**

#### **An analysis of tomistoma (*Tomistoma schlegelii*) attacks on humans**

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## Statistical outputs from logistic, Poisson and Chi-Square analyses

*R code and output for logistic regression output*

Call:

```
glm(formula = Quarter_Binary_Attack ~ Quarter, family = "binomial",  
     data = TomistomaAttacks)
```

Deviance Residuals:

Min	1Q	Median	3Q	Max
-1.160	-1.131	-1.110	1.212	1.246

Coefficients:

	Estimate	Std. Error	z value	Pr(> z )
(Intercept)	-0.20041	0.77651	-0.258	0.796
Quarter	0.04011	0.28331	0.142	0.887

(Dispersion parameter for binomial family taken to be 1)

Null deviance: 55.352 on 39 degrees of freedom

Residual deviance: 55.332 on 38 degrees of freedom

AIC: 59.332

*Poisson regression output using attack count per quarter, between the same time periods*

Call:

```
glm(formula = Poisson.Count ~ Quarter, family = "poisson",  
     data = TomistomaAttacks)
```

Deviance Residuals:

Min	1Q	Median	3Q	Max
-1.3710	-1.1914	-1.0765	0.5002	2.3381

Coefficients:

	Estimate	Std. Error	z value	Pr(> z )
(Intercept)	-0.7068	0.4817	-1.467	0.142
Quarter	0.1612	0.1651	0.976	0.329

(Dispersion parameter for Poisson family taken to be 1)

Null deviance: 50.532 on 39 degrees of freedom  
Residual deviance: 49.568 on 38 degrees of freedom  
AIC: 97.744

*Chi-Square outputs for male v. female comparisons*

Sum	$\Sigma$	13.05714	crit value	3.84
p-value	0.00030213			

*Chi-Square outputs for fatal v. non-fatal comparisons*

Sum	$\Sigma$	15.11429	crit value	3.84
p-value	0.000101195			