

SUPPLEMENTARY MATERIAL

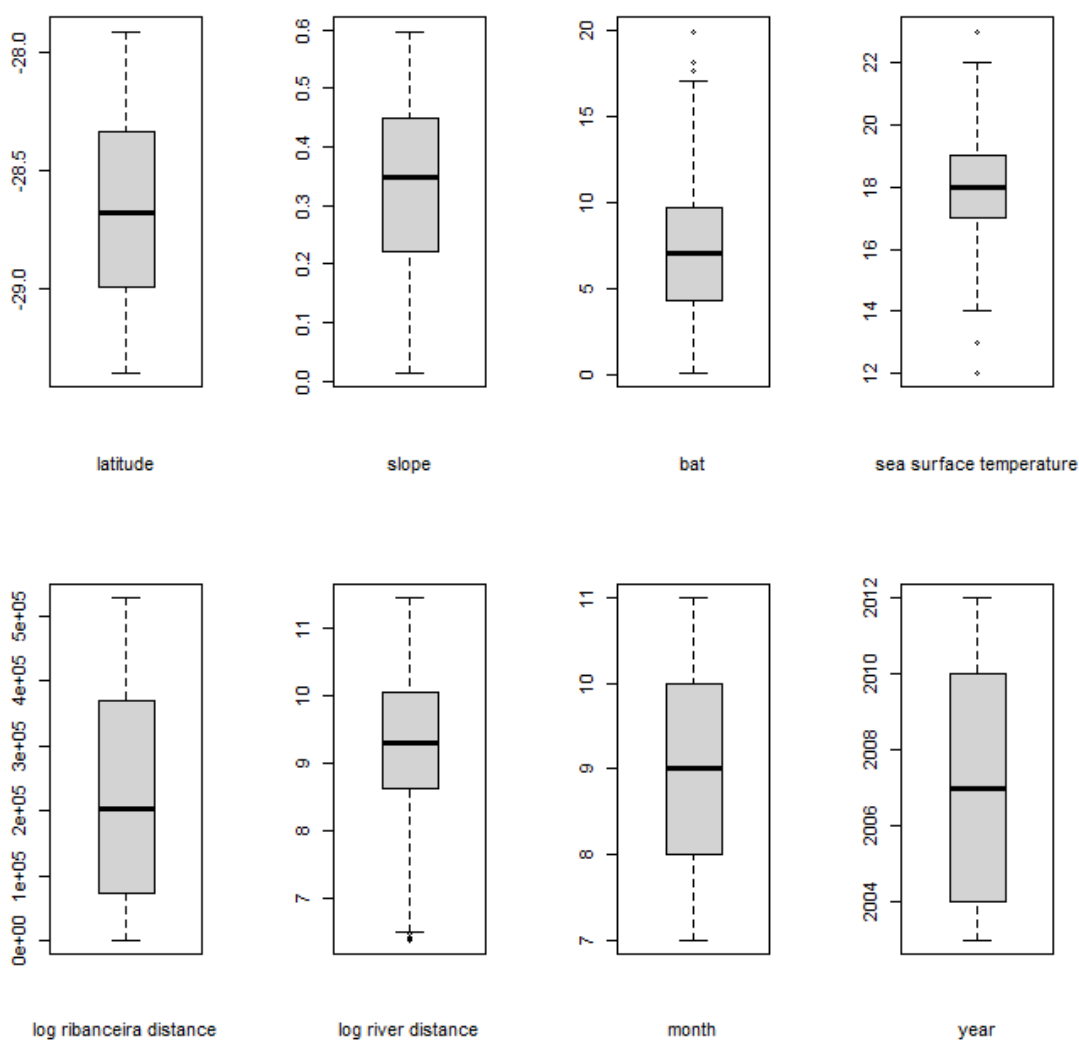
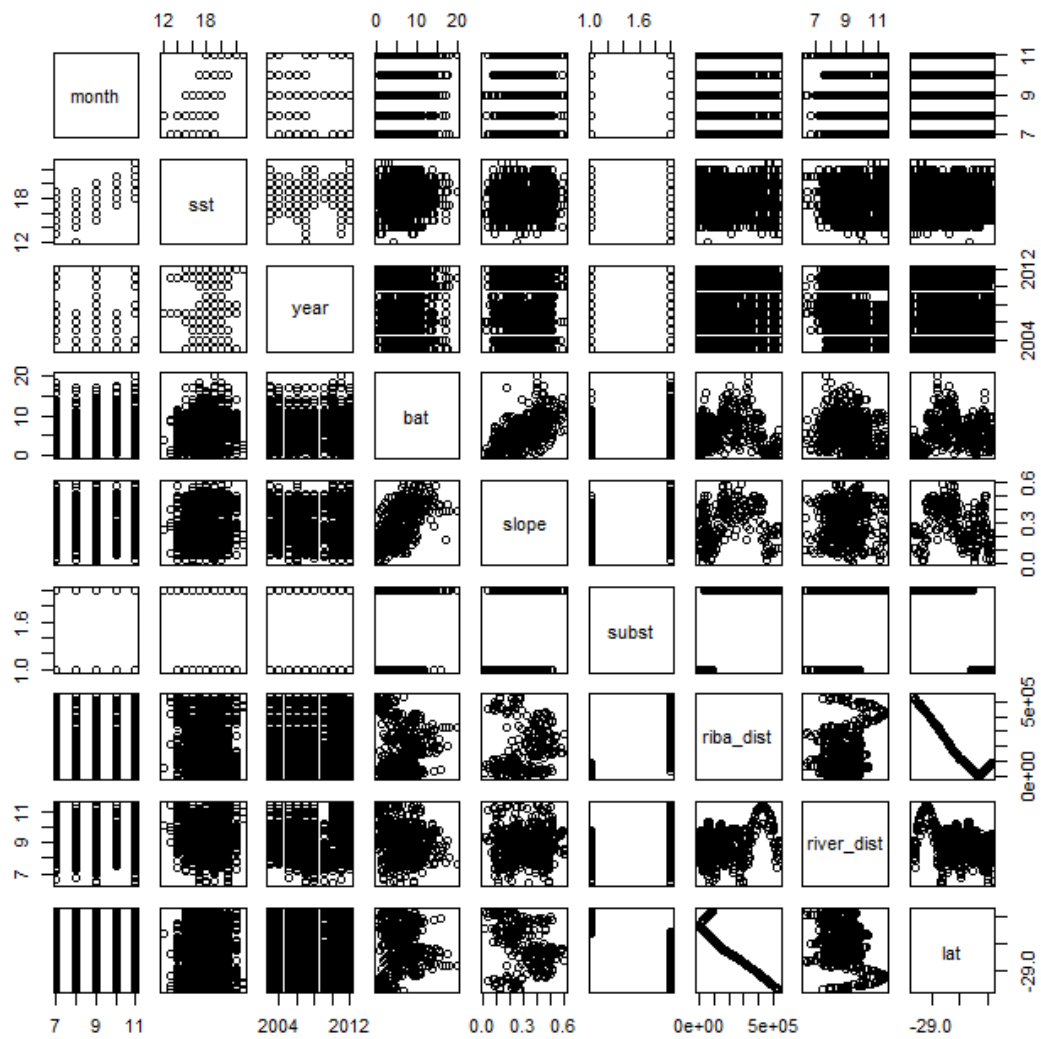


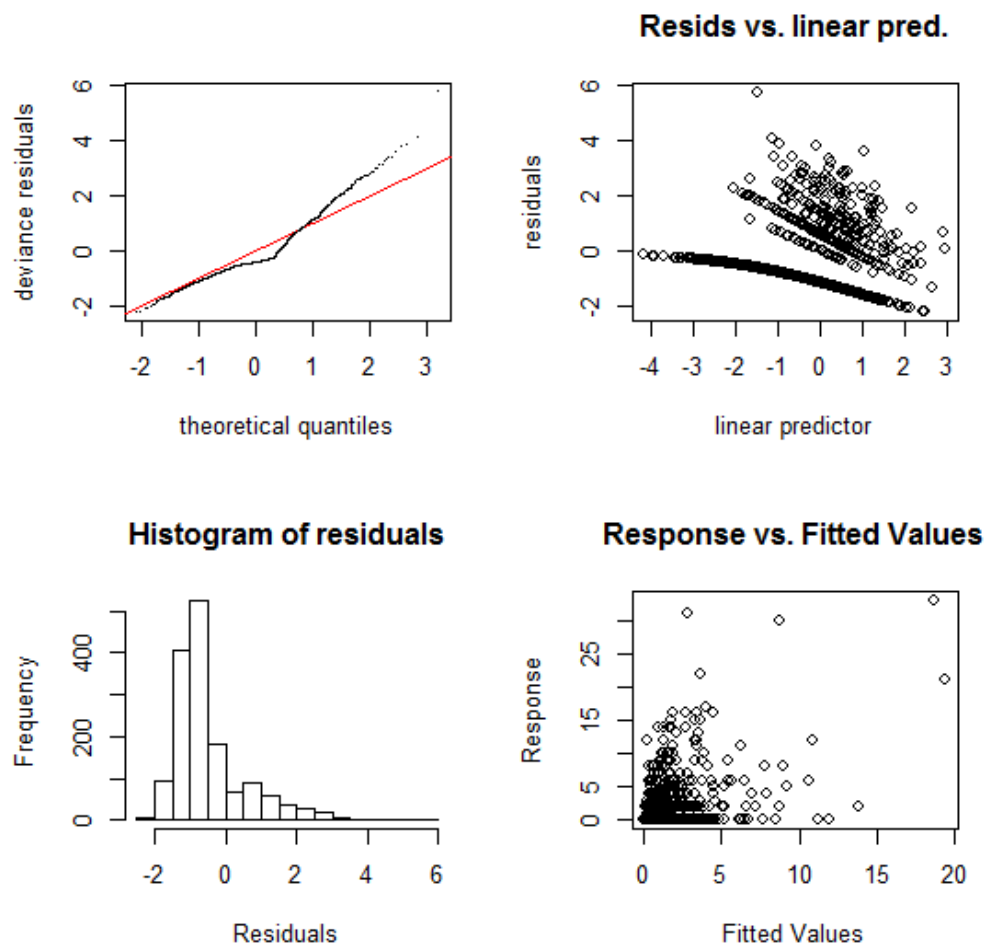
Fig. S1.– Boxplots showing the distribution of explanatory variables used in the models.



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2 Fig. S2.— Pair plots illustrating the relationships among explanatory variables used in the
 3 models. These plots were used to assess collinearity and guide variable selection.

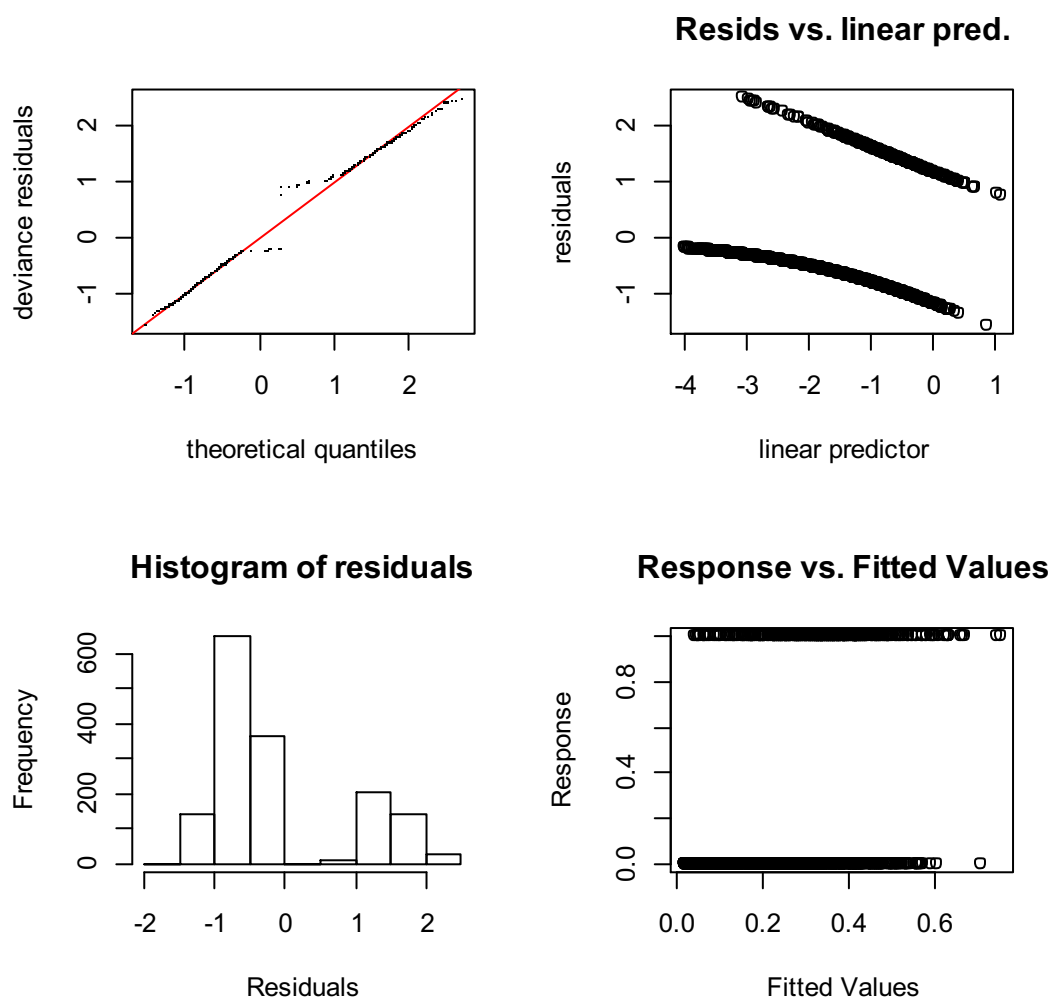
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2 Fig. S3.– Residuals of the selected negative binomial generalized additive models.

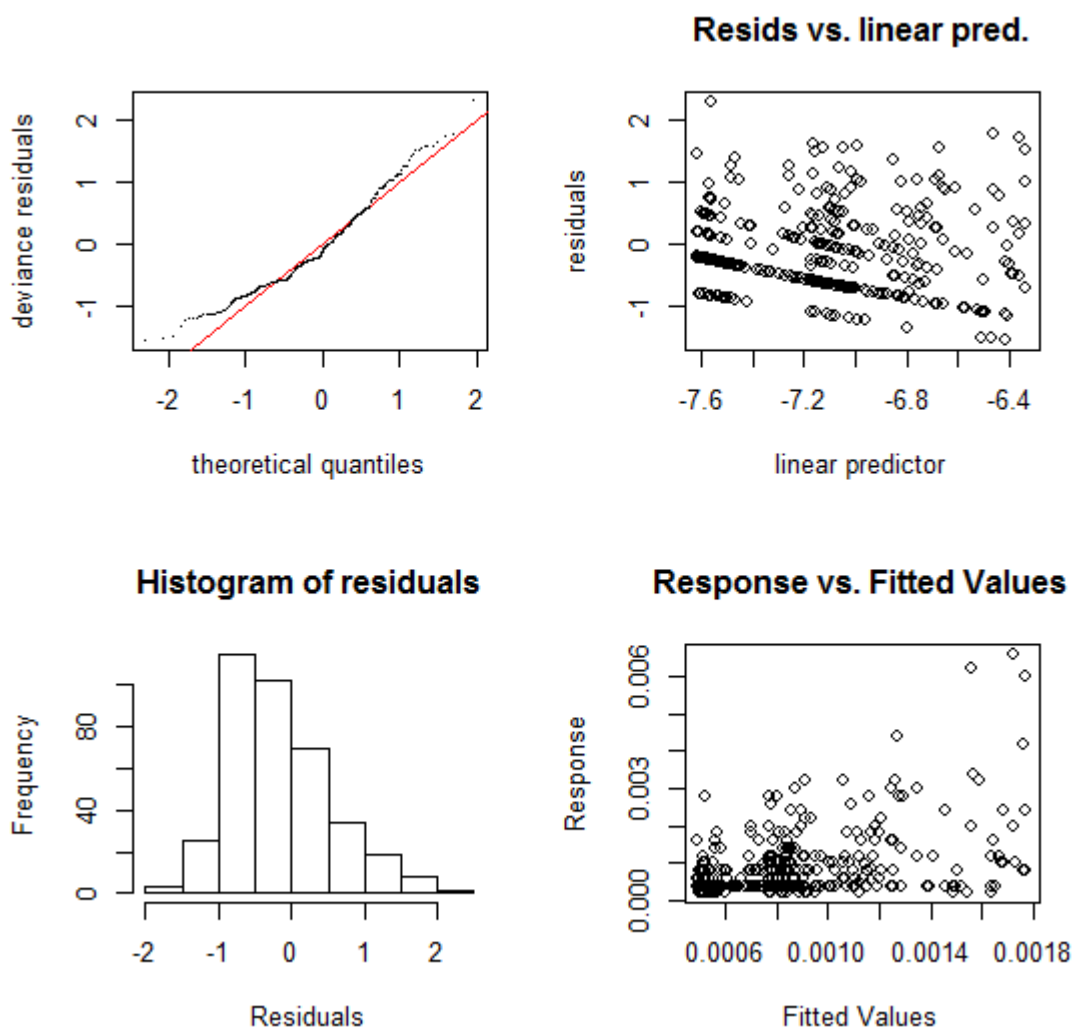
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2 Fig. S4.– Residuals of the selected binomial generalized additive hurdle models.

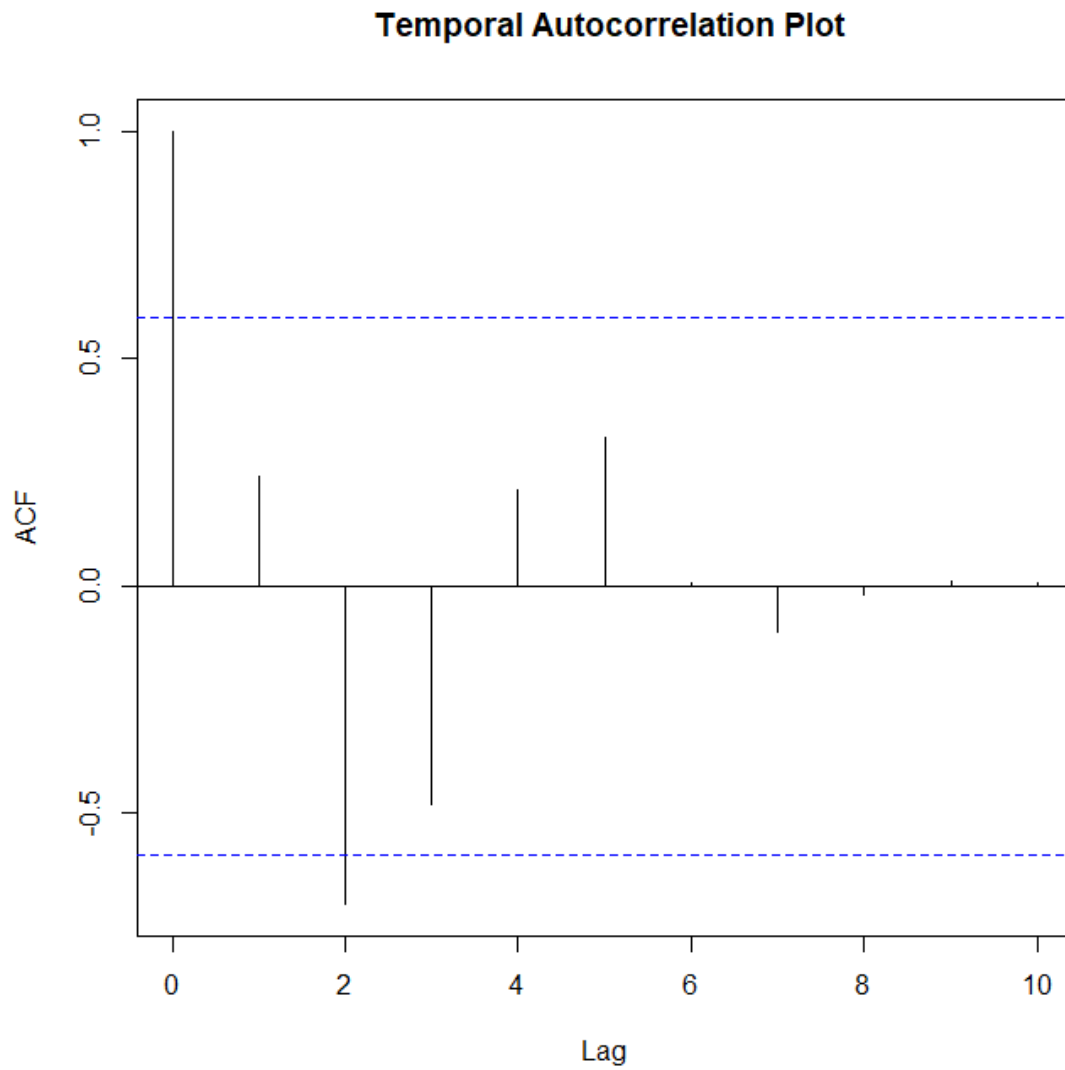
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2 Fig. S5.– Residuals of the selected gamma generalized additive hurdle models.

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2 Fig. S6.– Temporal autocorrelation plot of whale abundance in Brazilian calving grounds
 3 from 2003 to 2013.

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