***R. norvegicus***

Supplemental Figure S5 presents boxplots demonstrating the distribution of environmental data and highlights the environmental variables identified by the model as influencing habitat suitability predictions for *R. norvegicus.* It shows how the species responds to different environmental factors.



**Supplemental Figure S5.** Final environmental variables as predicted by the model to influence the habitat suitability of *R. norvegicus*.

*R. norvegicus* demonstrates significant adaptability to built-up/residential areas and environments impacted by human activities. It maintains consistent habitat suitability across agricultural landscapes and forests, although its suitability tends to decrease in areas of increased forest density.