Table S1. Habitat model validation: Receiver operating characteristics (ROC) were used to examine model performance and the area under the curve (AUC) was were used to measure the accuracy of our models. 10-fold cross-validations were performed and mean and standard deviation value of training and testing AUC values were calculated. We found high model performance (higher than random, AUC=0.5) with all of our habitat models. More details regarding the general approach of model validation are available in Hu et al. (2010).

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| --- | --- | --- |
| Models | Training AUC (mean±sd) | Testing AUC |
| Current | 0.9884±0.0026 | 0.9765±0.0420 |
| Ip26 | 0.9875±0.0028 | 0.9699±0.0451 |
| Ip85 | 0.9892±0.0023 | 0.9756±0.0413 |
| Mg26 | 0.9893±0.0029 | 0.9776±0.0457 |
| Mg85 | 0.9883±0.0029 | 0.9742±0.0500 |