

All_SnapshotSafariModels

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Overview

This report shows results from models trained to identify empty images ('Empty or Not' model) and species images ('Species' model). This report contains results from:

- Site: All
- Season:
- ID: All_SnapshotSafariModels

All figures have been calculated based on a test set (5% of the total data set).

The most important figures are:

- Empty model total number of captures: 71702
- Empty model overall accuracy: 96.03 %
- Empty model overall accuracy (high confidence): 99.5 %
- Empty model share of high confidence predictions: 74.38 %
- Species model total number of images: 36469
- Species model overall accuracy: 89.39 %
- Species model overall accuracy (high confidence): 97.2 %
- Species model share of high confidence predictions: 69.53 %
- Moving (Accuracy / Recall): 82.32 / 97.3 %
- Eating (Accuracy / Recall): 88.18 / 96.55 %
- Standing (Accuracy / Recall): 79.64 / 98.1 %
- Interacting (Accuracy / Recall): 98.98 / 0 %
- Young Present (Accuracy / Recall): 97.32 / 5.51 %

Empty or Not-Model Evaluations

The following figures show evaluations of the ‘Empty or Not’ model.

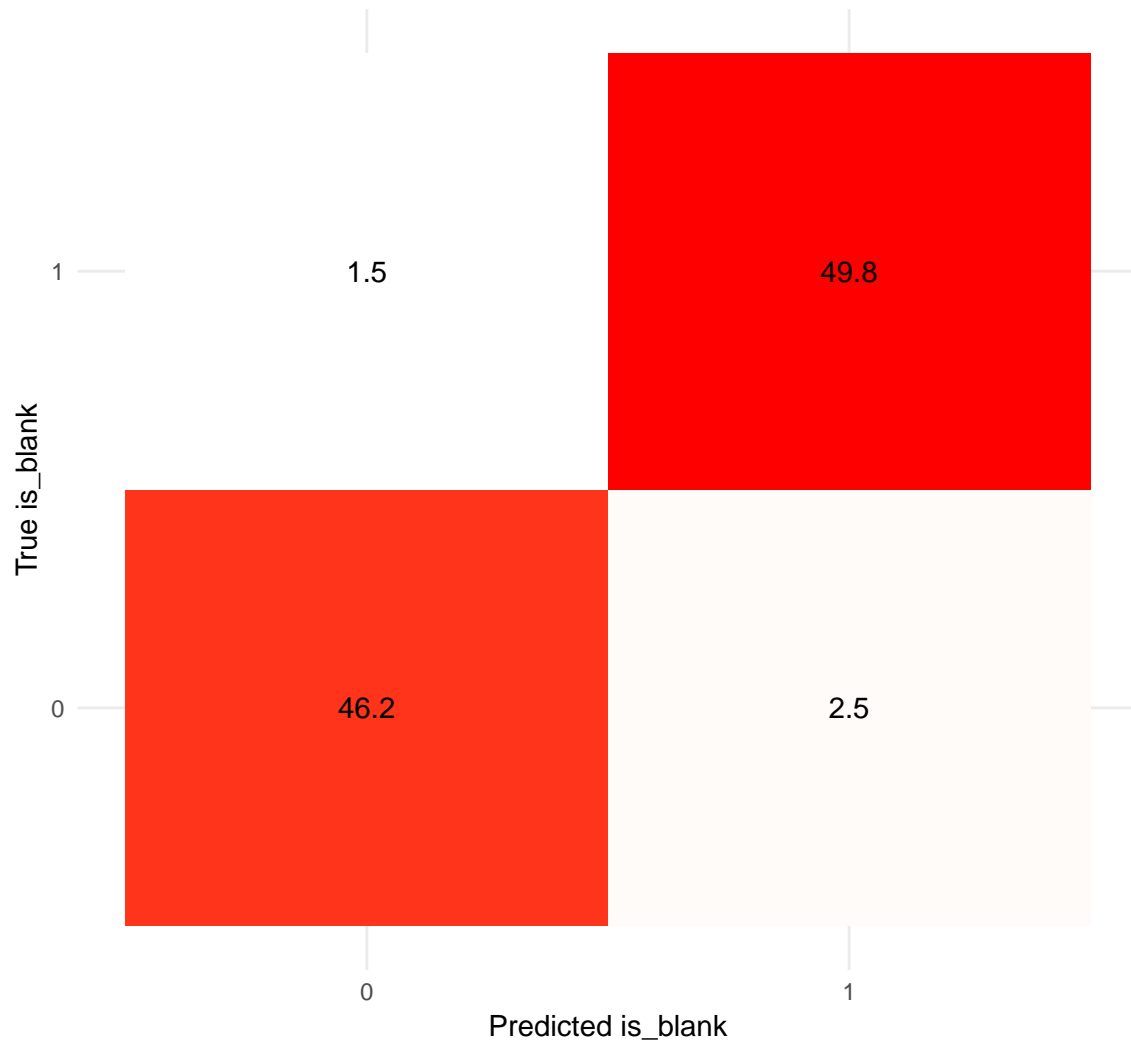
Evaluation per Location / Park



Confusion Matrix - Overall View

Evaluation Empty Model – All_ResNet18_448_v1

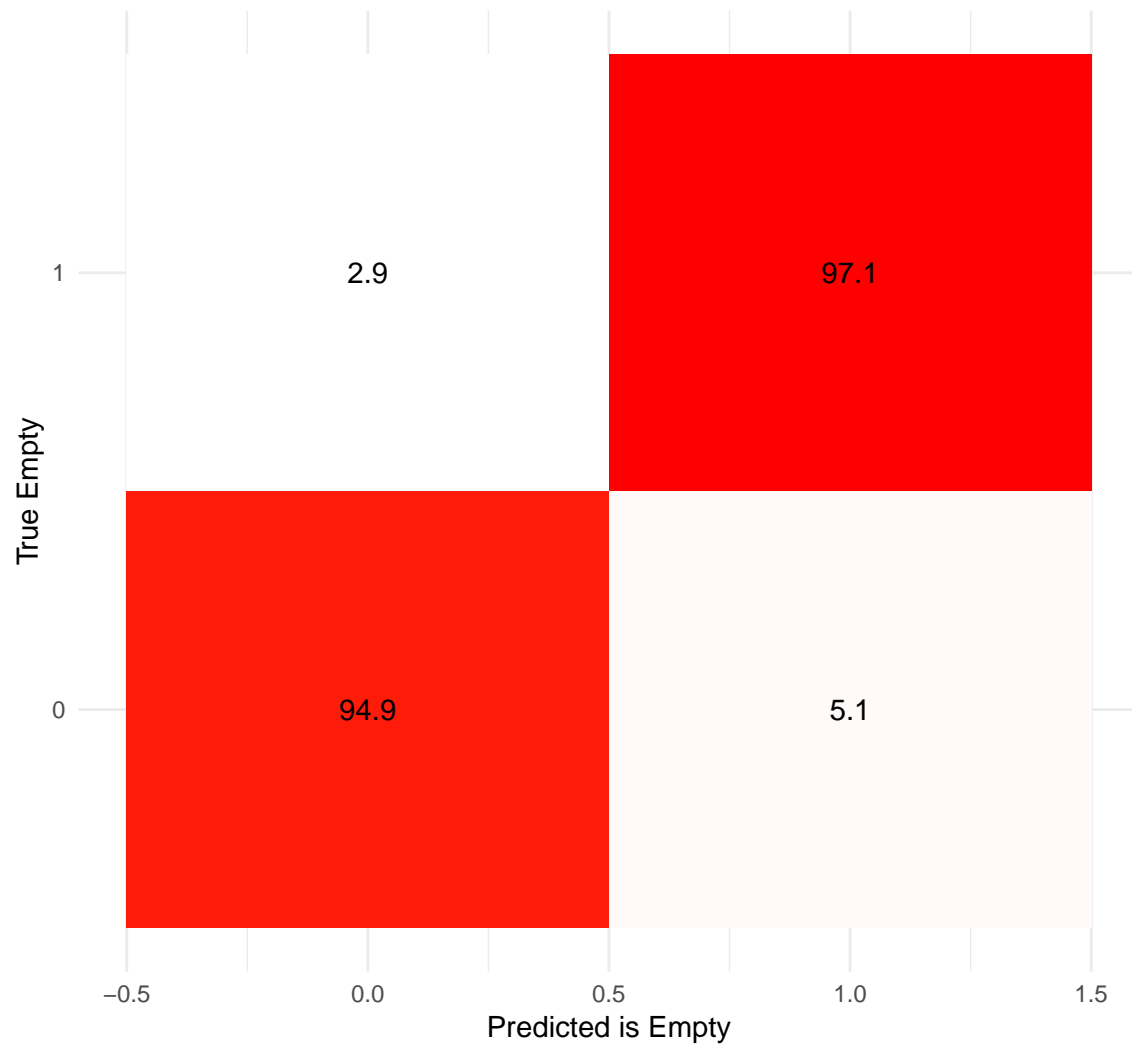
is_blank – True vs Predicted



Confusion Matrix - Per Label(row) View

Evaluation Empty Model – All_SnapshotSafariModels

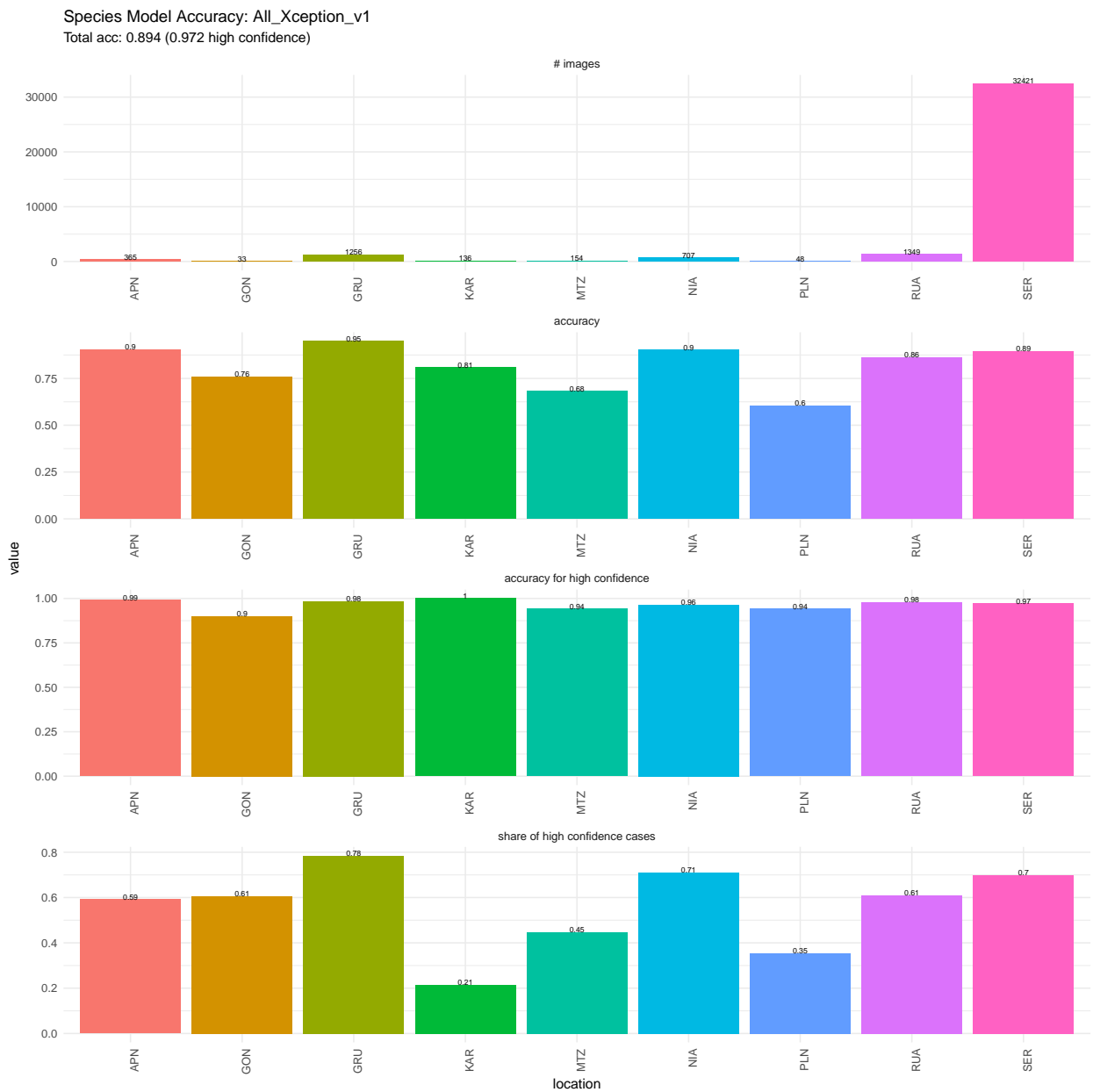
Blank – True vs Predicted – Rows (trues) sum to 100



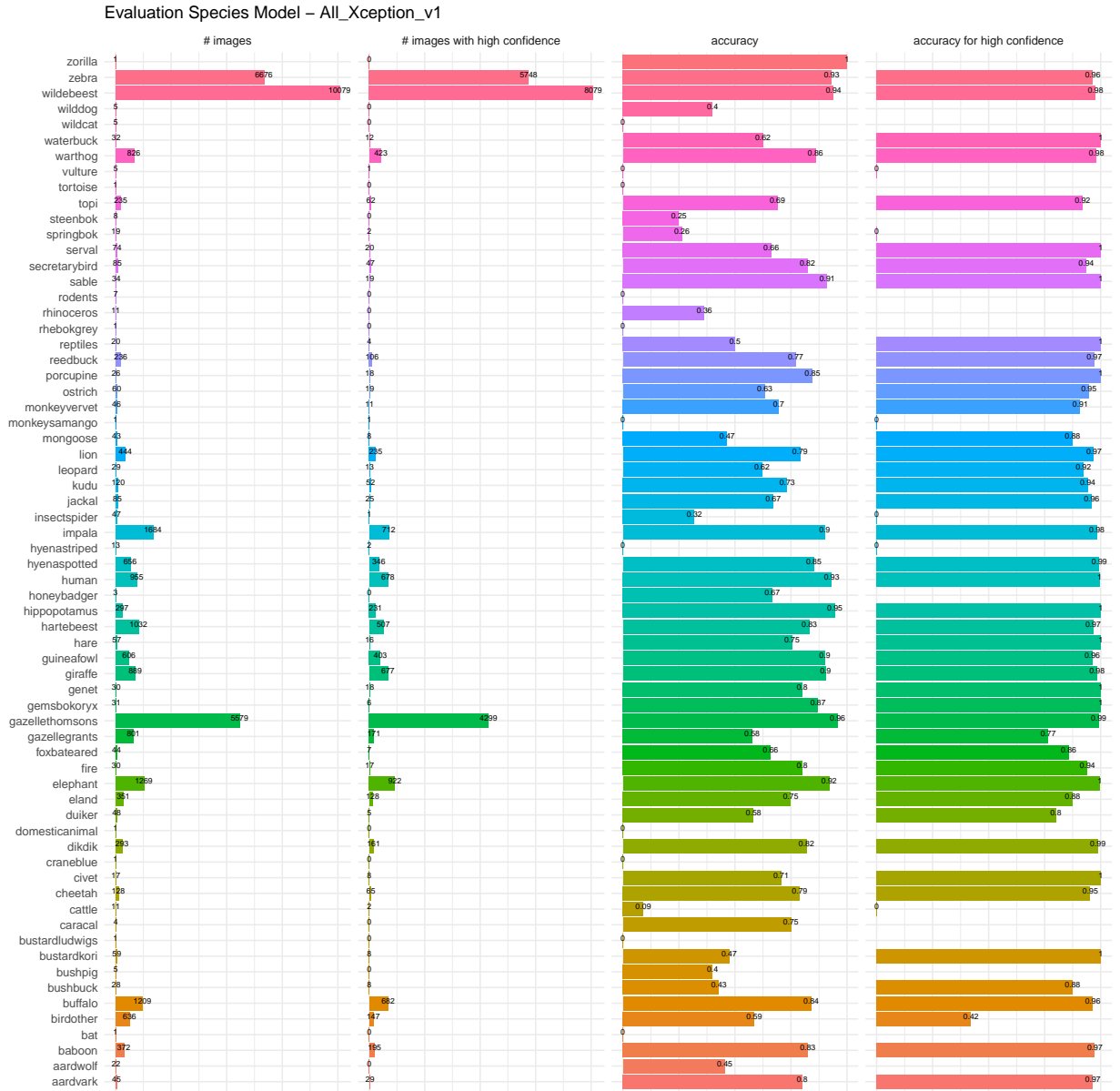
Species-Model Evaluations

The following figures show evaluations of the ‘Species’ model.

Per Location



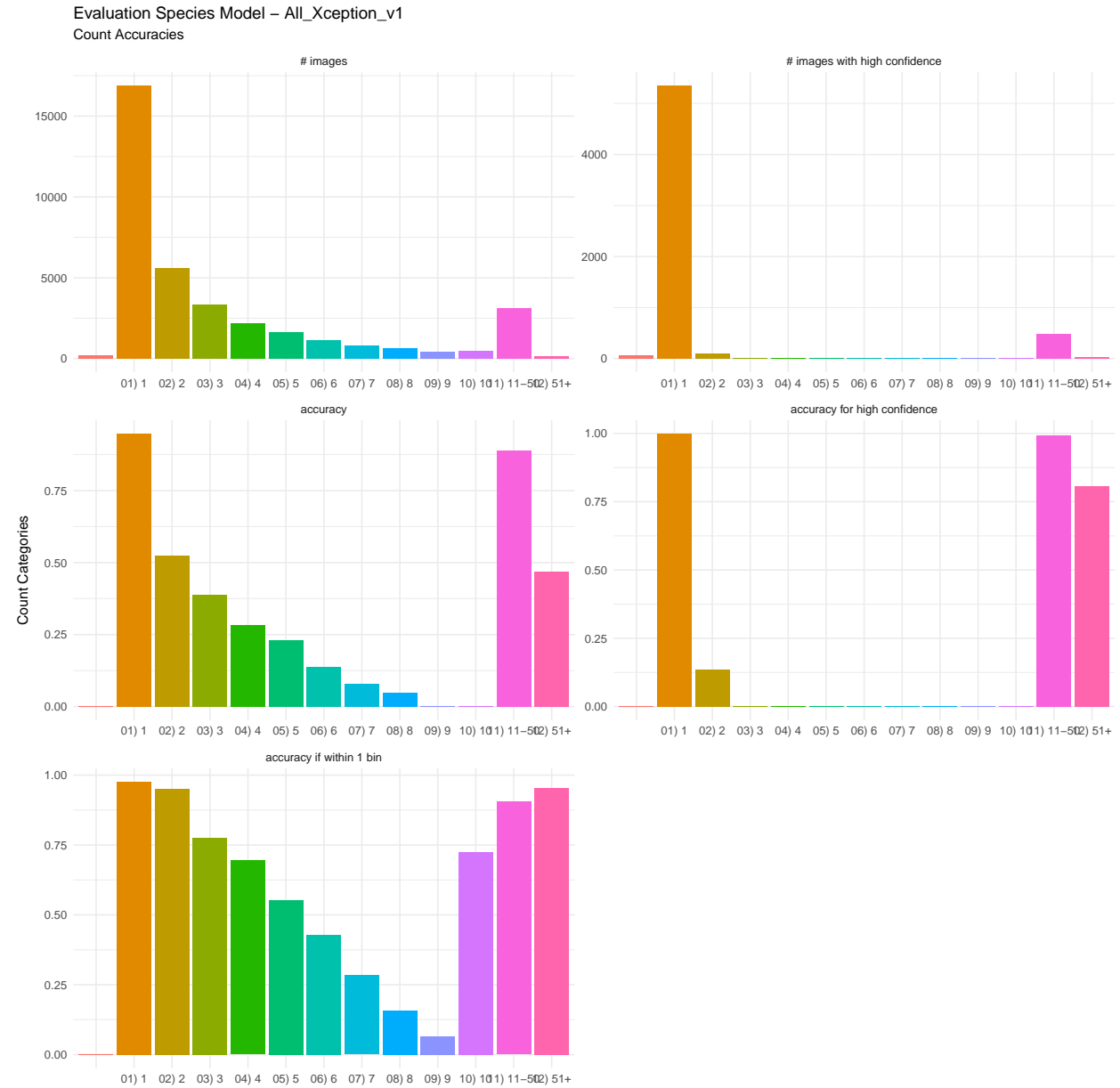
Per Species



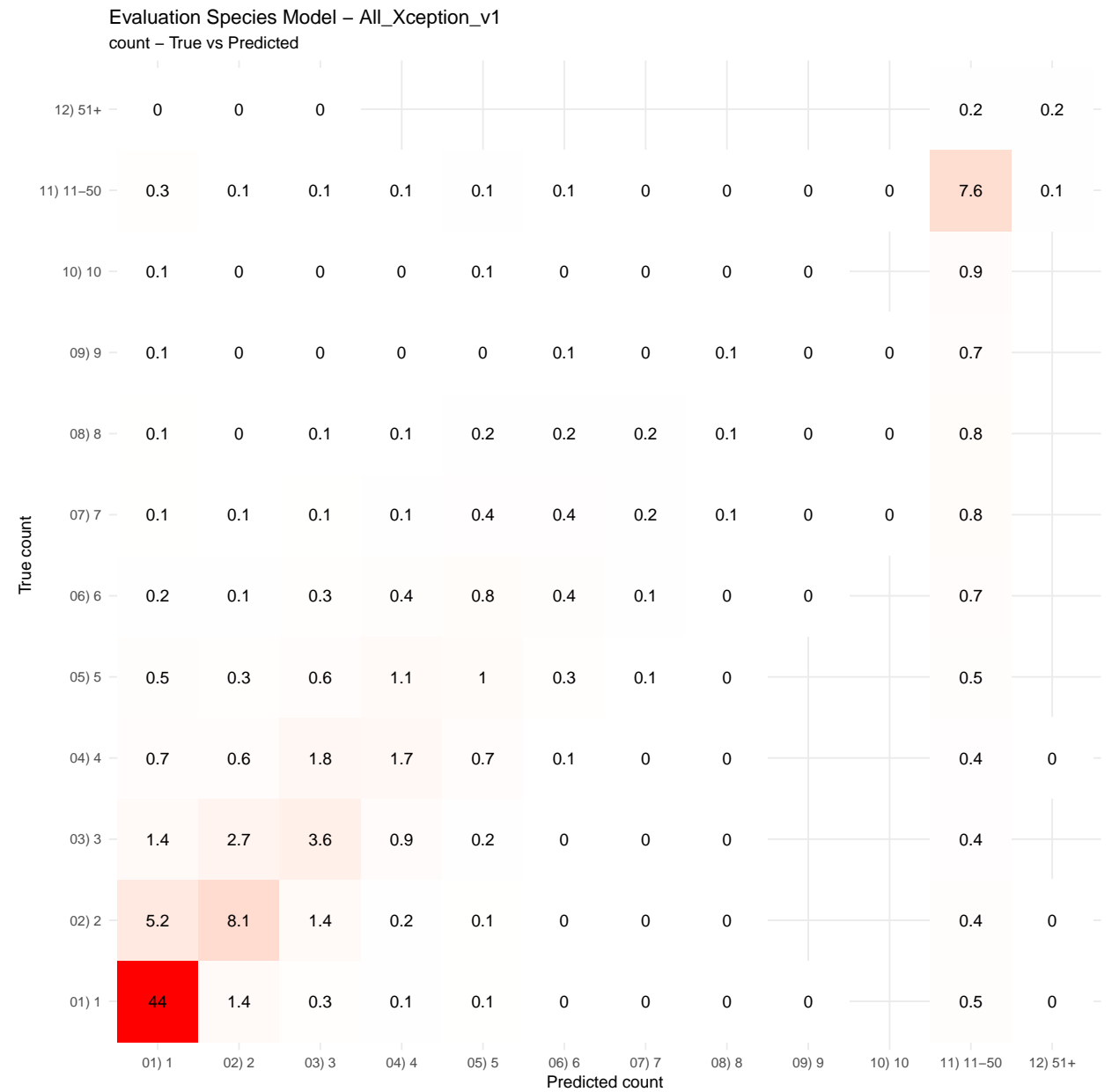
Counts Evaluations

The following figures show evaluations of predicted counts.

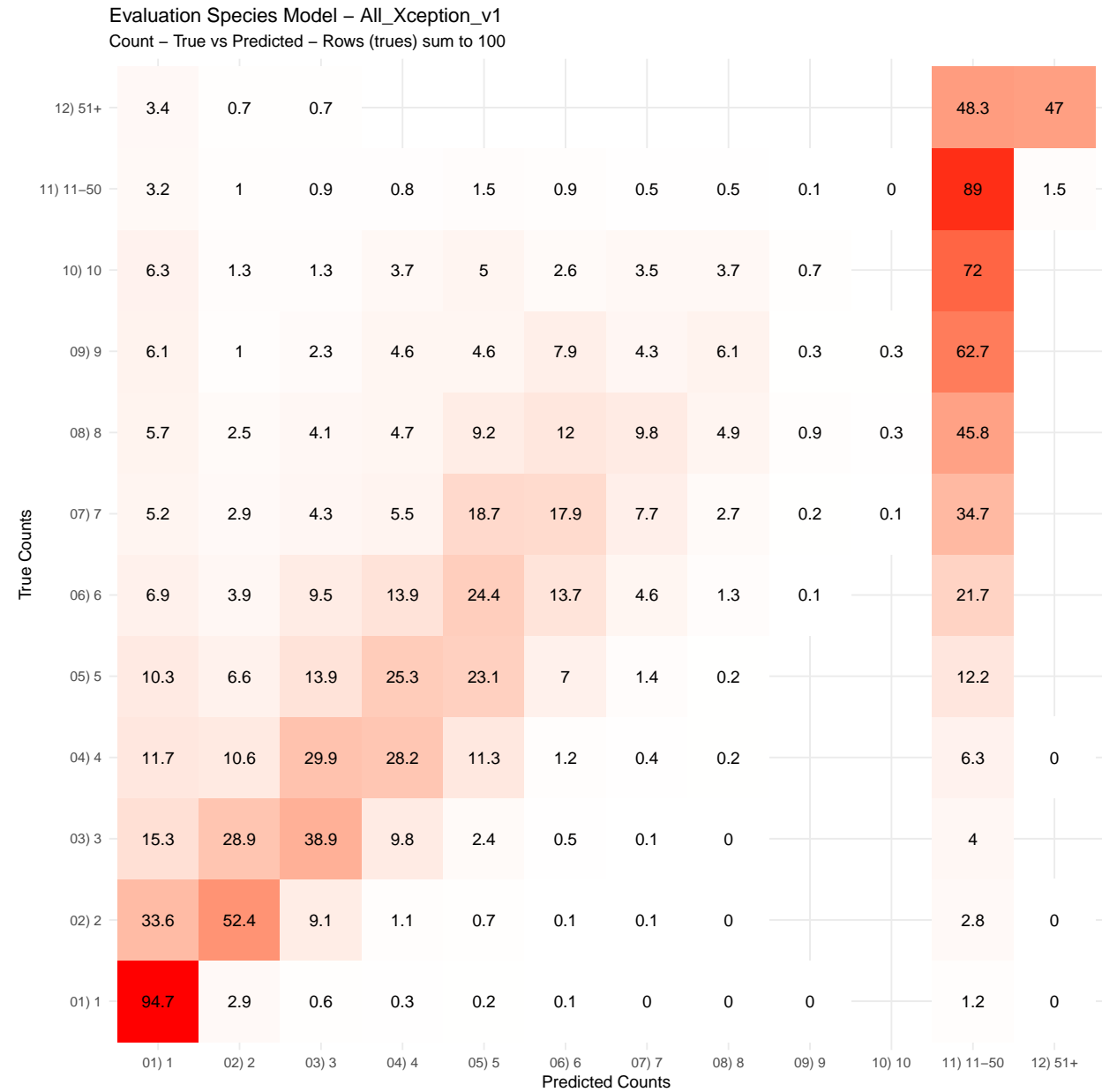
Overall View



Confusion Matrix - Absolute Values

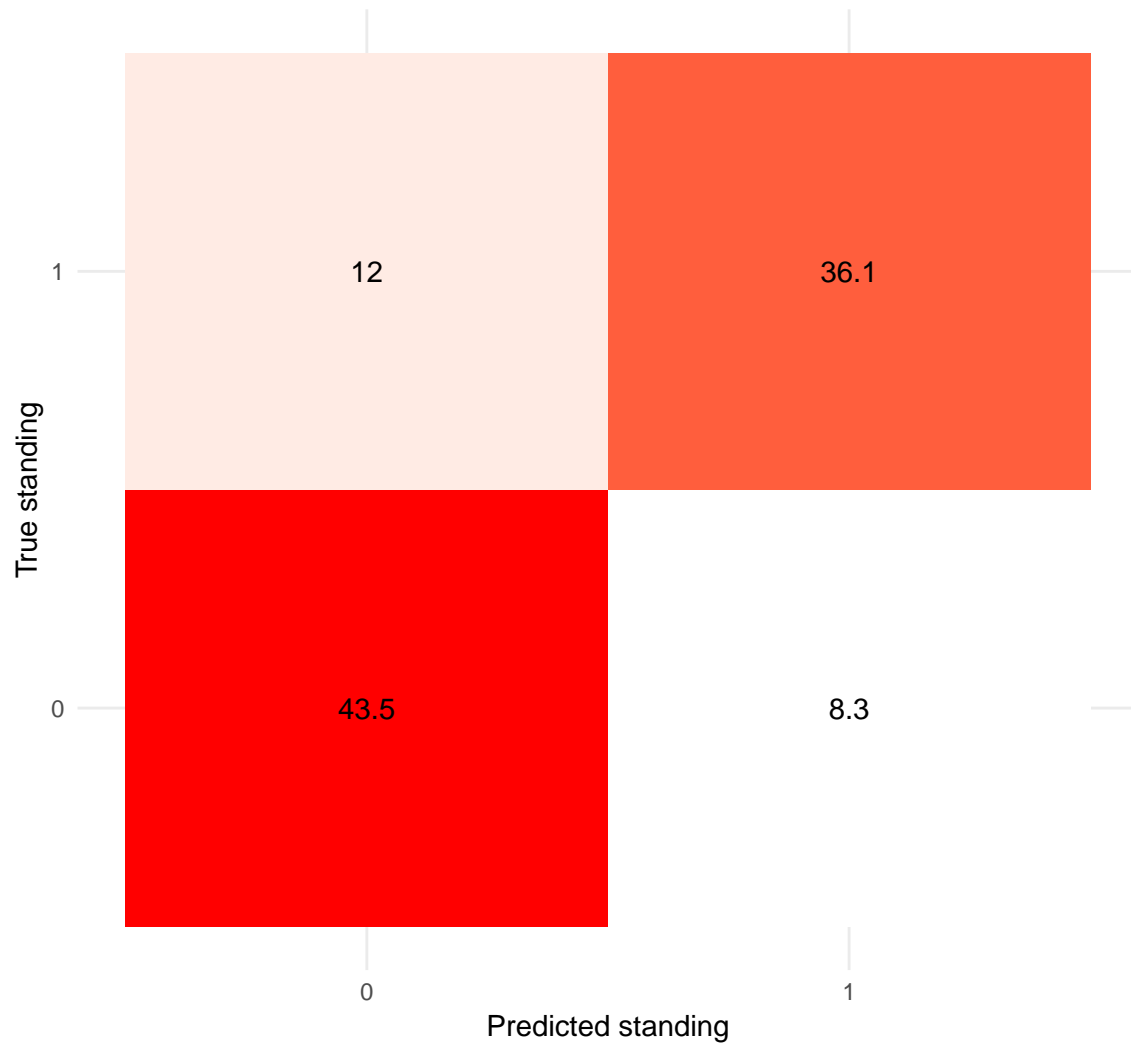


Confusion Matrix - Relative Values



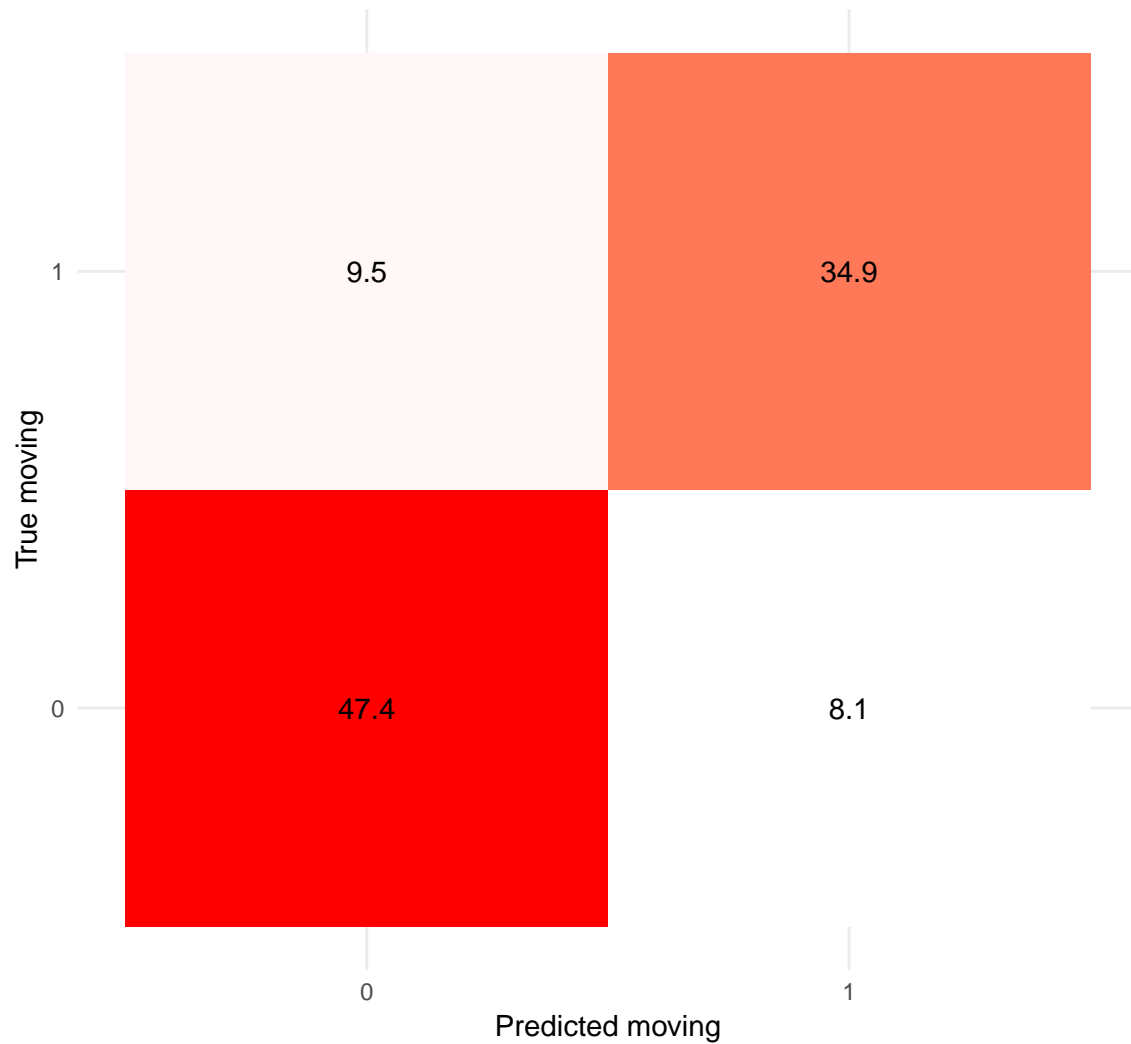
Behavior Evaluation - Standing

Evaluation Species Model – All_Xception_v1
standing – True vs Predicted



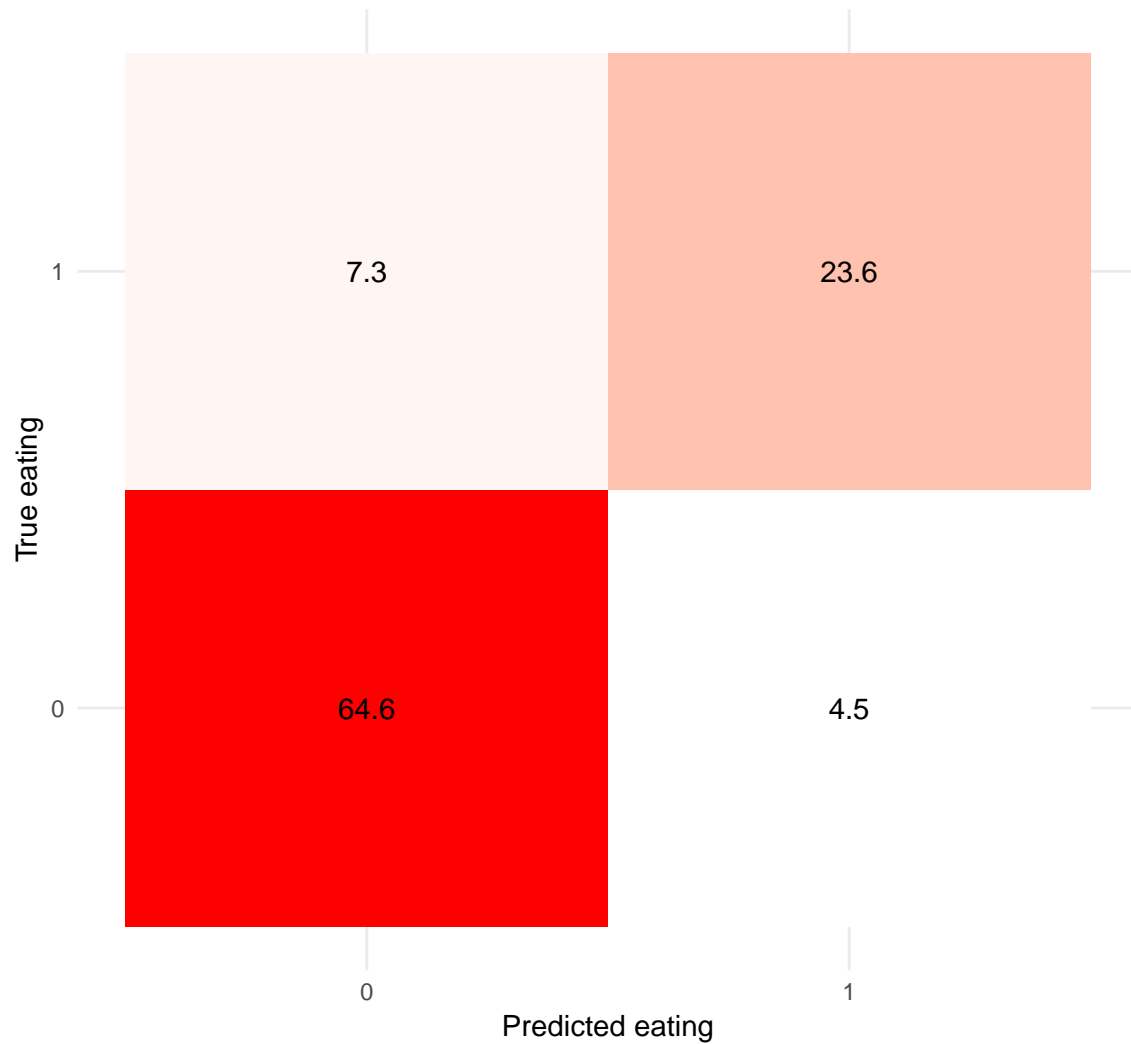
Behavior Evaluation - Moving

Evaluation Species Model – All_Xception_v1
moving – True vs Predicted



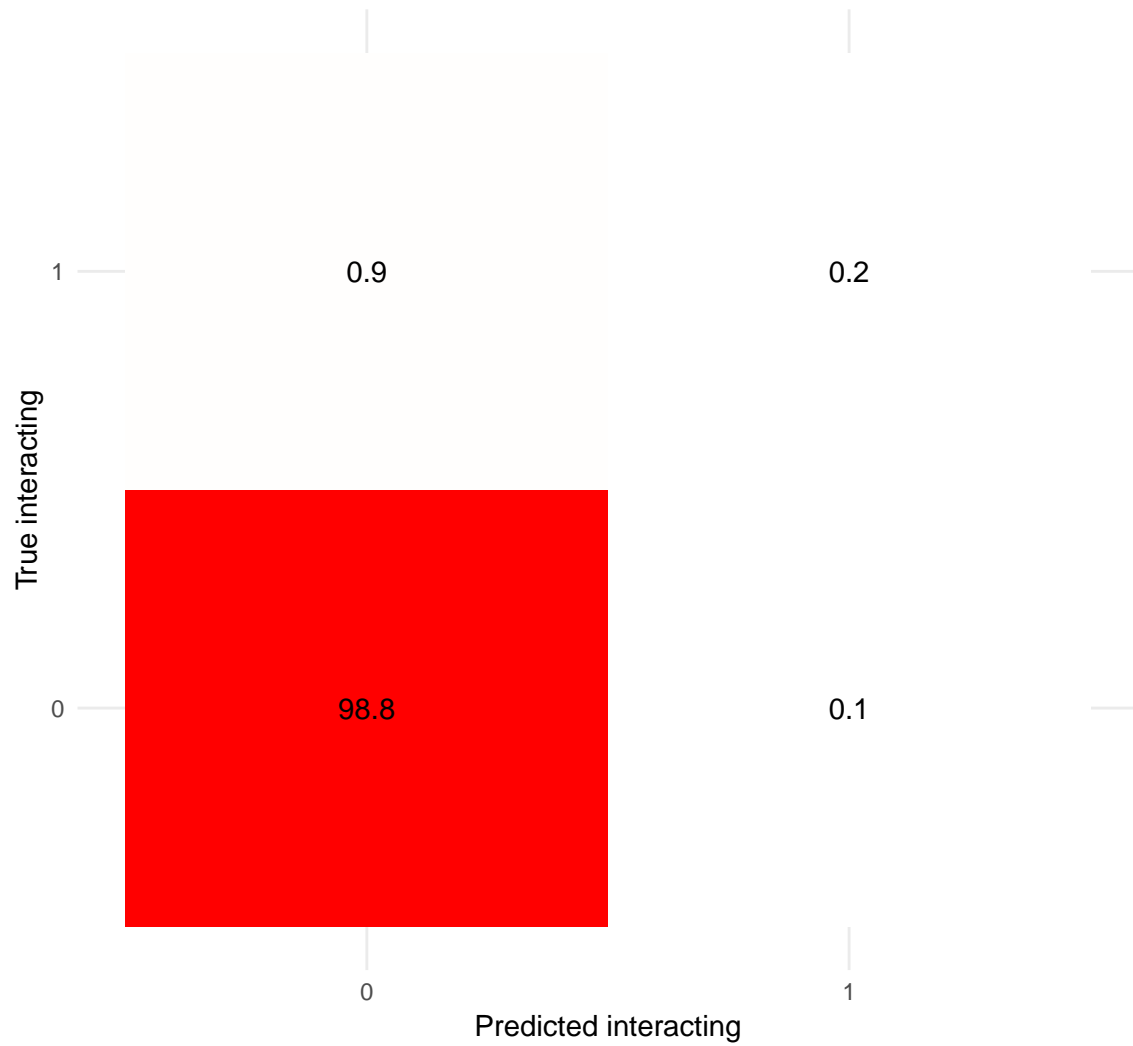
Behavior Evaluation - Eating

Evaluation Species Model – All_Xception_v1
eating – True vs Predicted



Behavior Evaluation - Interacting

Evaluation Species Model – All_Xception_v1
interacting – True vs Predicted



Young Present

Evaluation Species Model – All_Xception_v1

young_present – True vs Predicted

