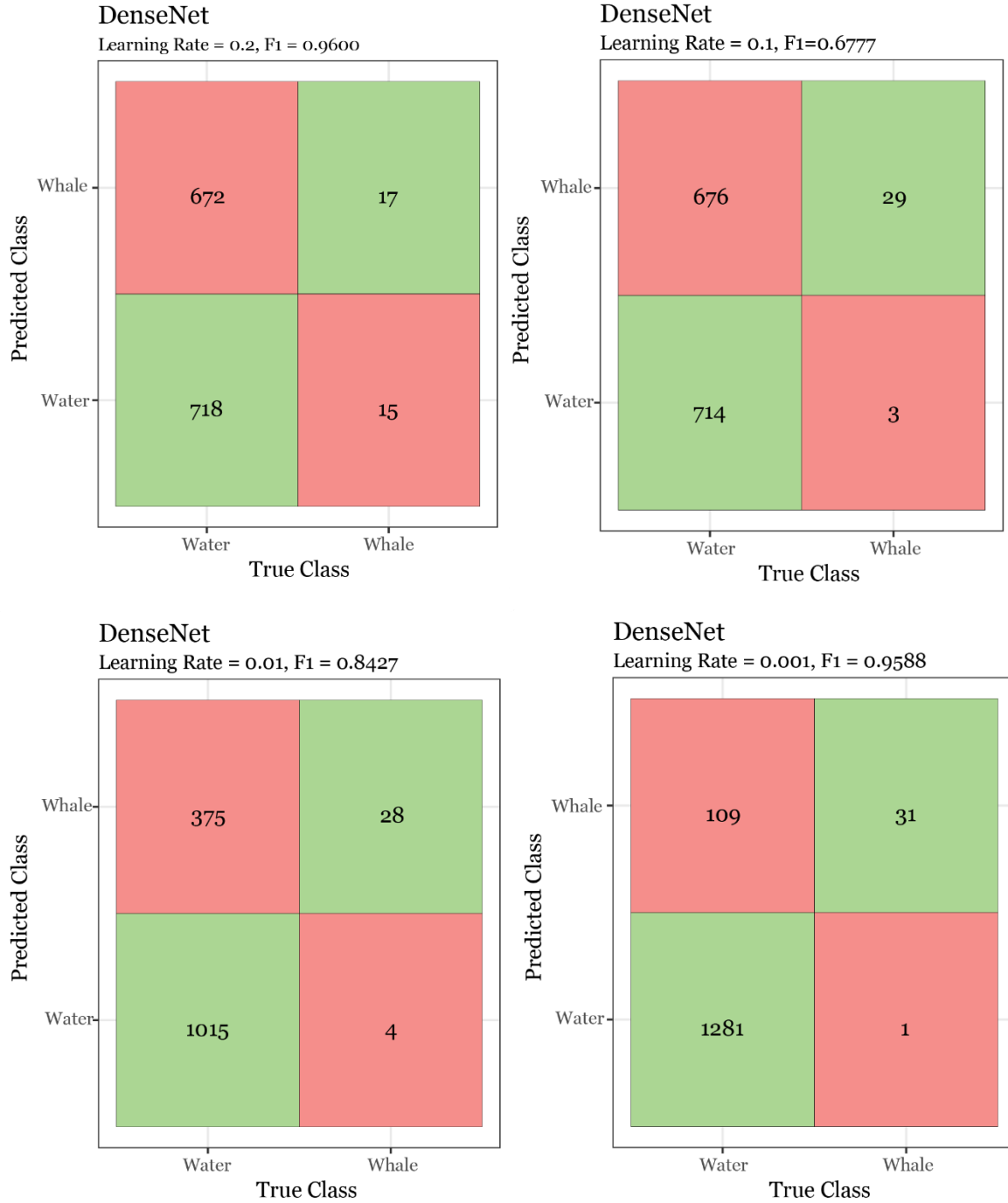


S2 Fig. Confusion matrices for model versions.

Confusion matrices for each trained model – combinations of model type (ResNet-18, ResNet-34, ResNet-152, DenseNet) and learning rate (LR=0.2, 0.1, 0.01, 0.001, 0.0009). See Table 2 in-text.



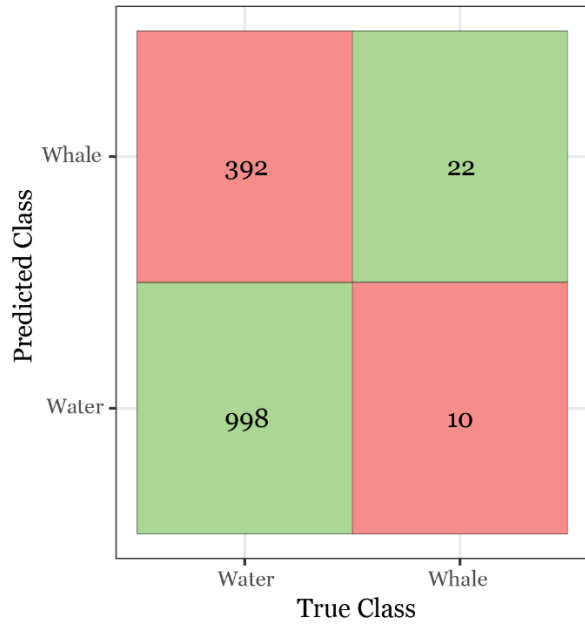
DenseNet

Learning Rate = 0.0009, F1 = 0.9112



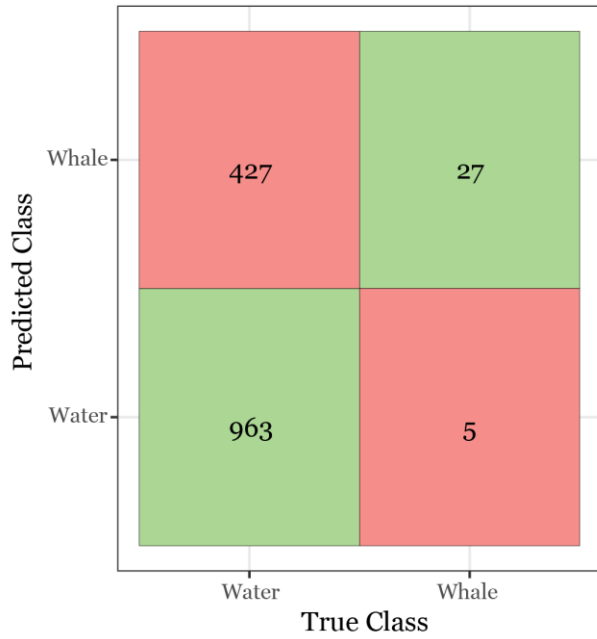
ResNet-18

Learning Rate = 0.2, F1 = 0.8324



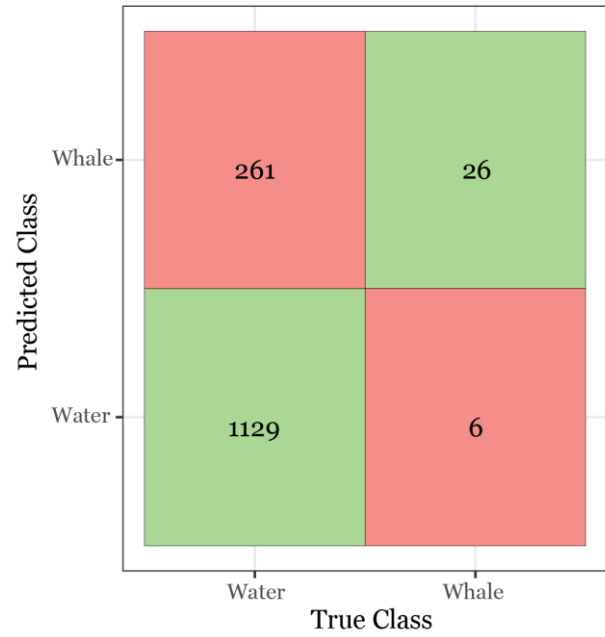
ResNet-18

Learning Rate = 0.1, F1 = 0.8170



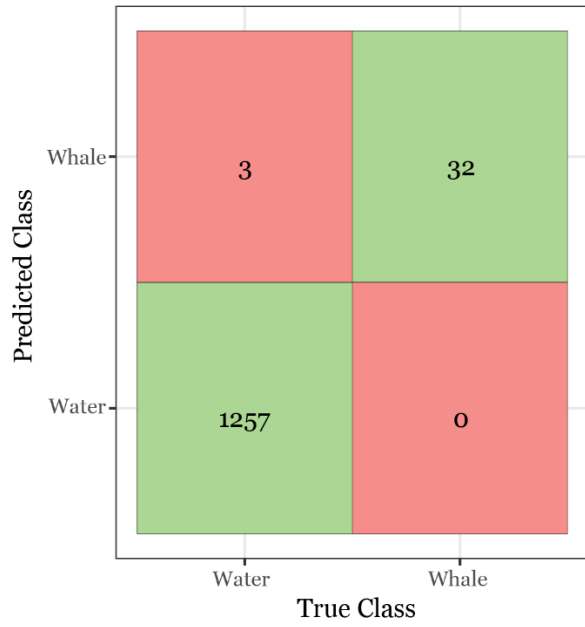
ResNet-18

Learning Rate = 0.01, F1 = 0.8942



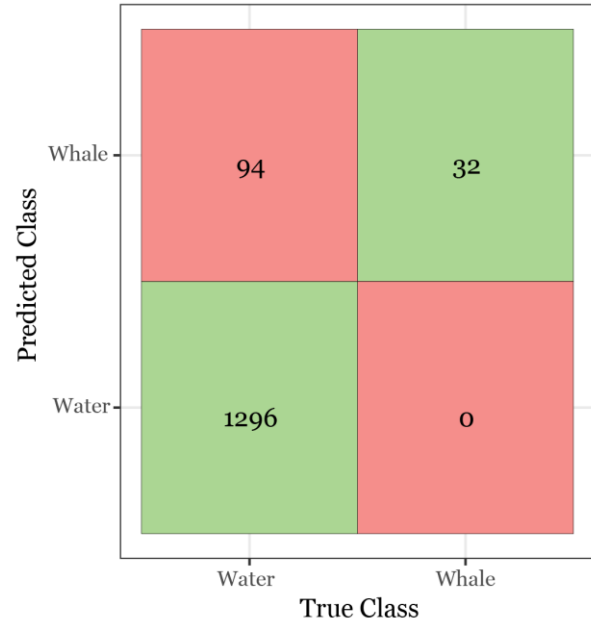
ResNet-18

Learning Rate = 0.001, F1 = 0.9498



ResNet-18

Learning Rate = 0.0009, F1 = 0.9112



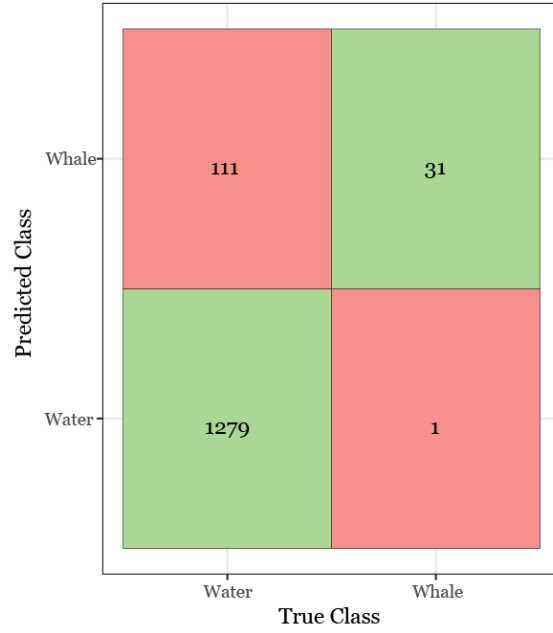
ResNet-34

Learning Rate = 0.0009, F1 = 0.9646



ResNet-34

Learning Rate = 0.001, F1 Score = 0.958



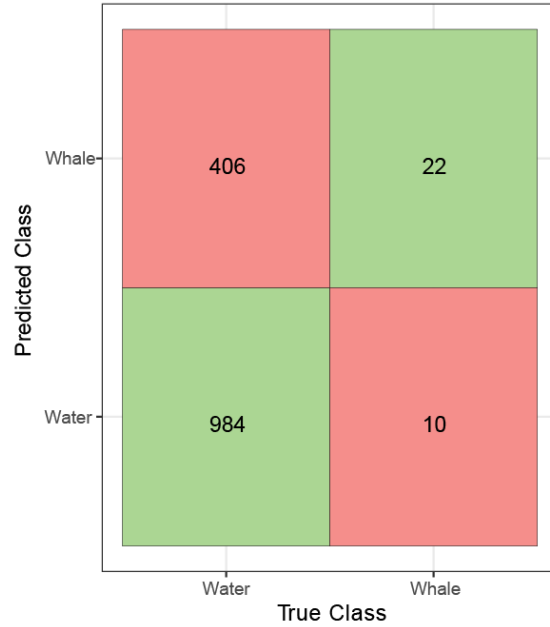
ResNet-34

Learning Rate = 0.01, F1 = 0.9600



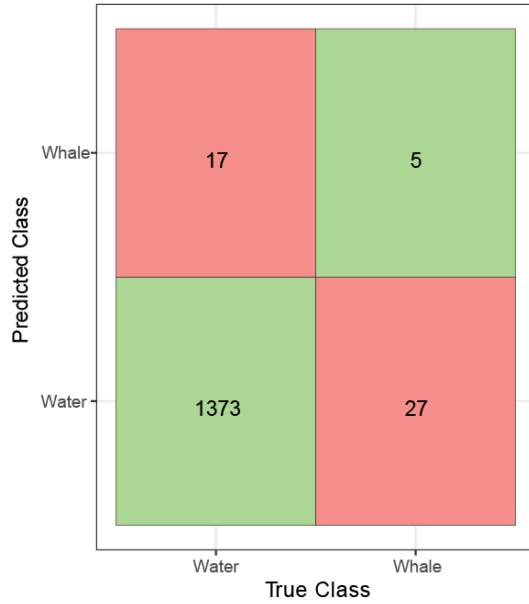
ResNet-34

Learning Rate = 0.1, F1 Score = 0.8255



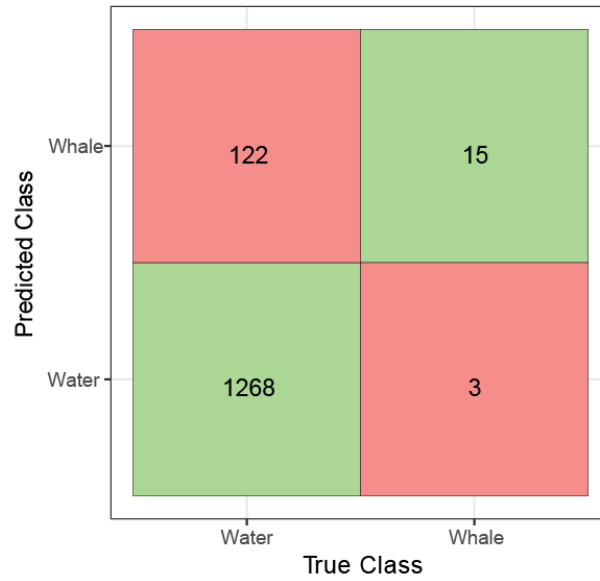
ResNet-34

Learning Rate = 0.2, F1 Score = 0.9842



ResNet-152

Learning Rate = 0.0009, F1 Score = 0.9530



ResNet-152

Learning Rate = 0.001, F1 Score = 0.9490



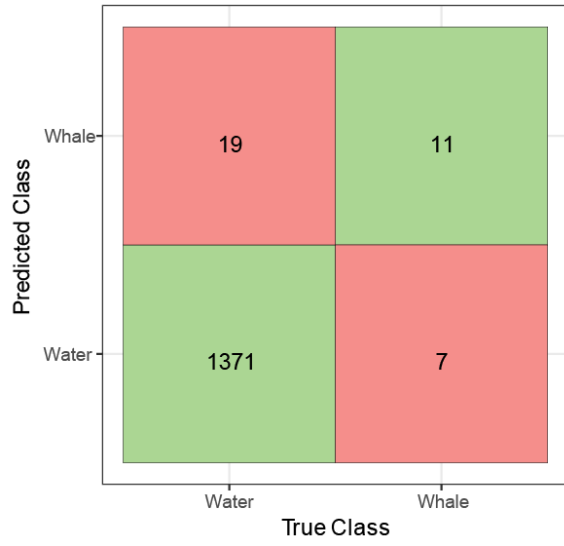
ResNet-152

Learning Rate = 0.01, F1 Score = 0.4075



ResNet-152

Learning Rate = 0.1, F1 Score = 0.9906



ResNet-152

Learning Rate = 0.2, F1 Score = 0.9829

