

# Supplementary Materials (Pearson)

## 1. Test coverage vs. robustness metrics.

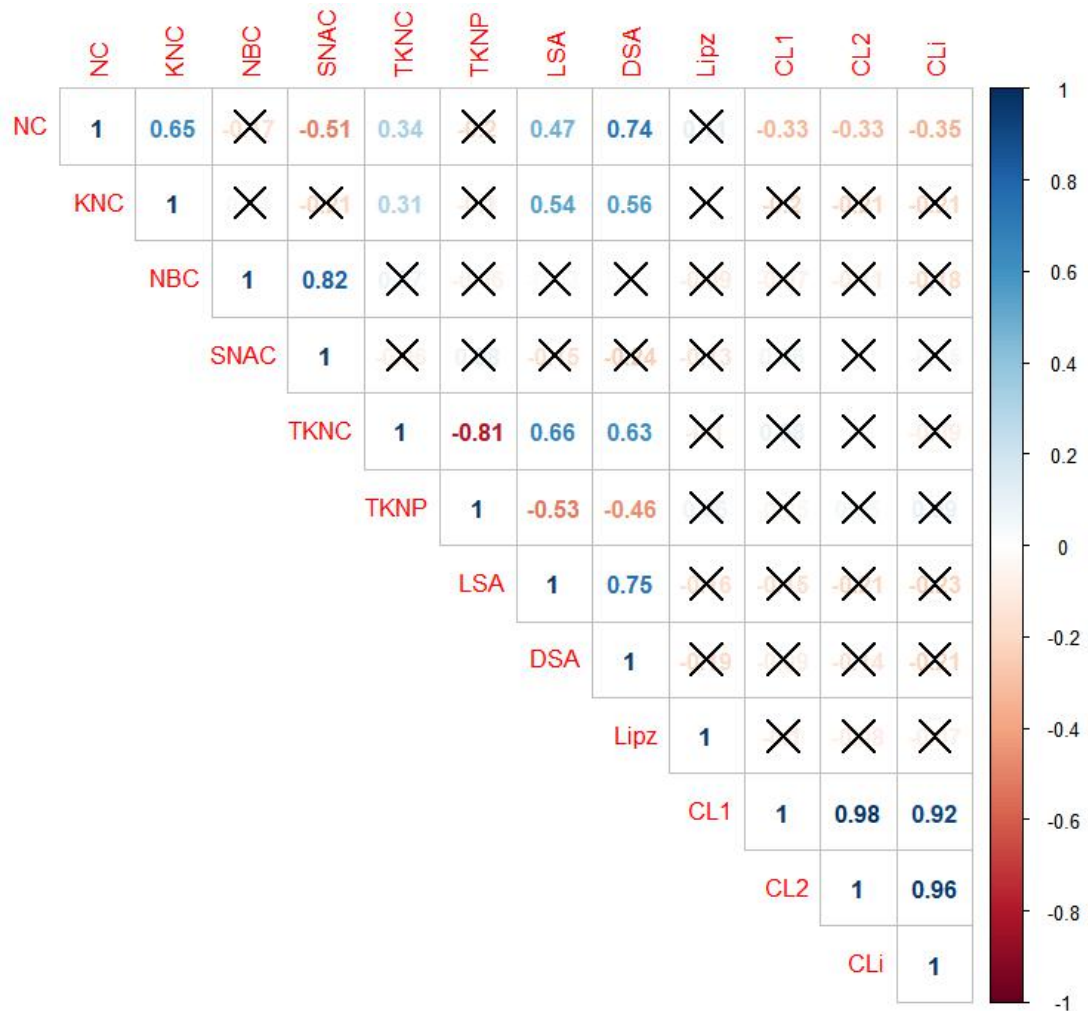


Fig. 1: MNIST all models

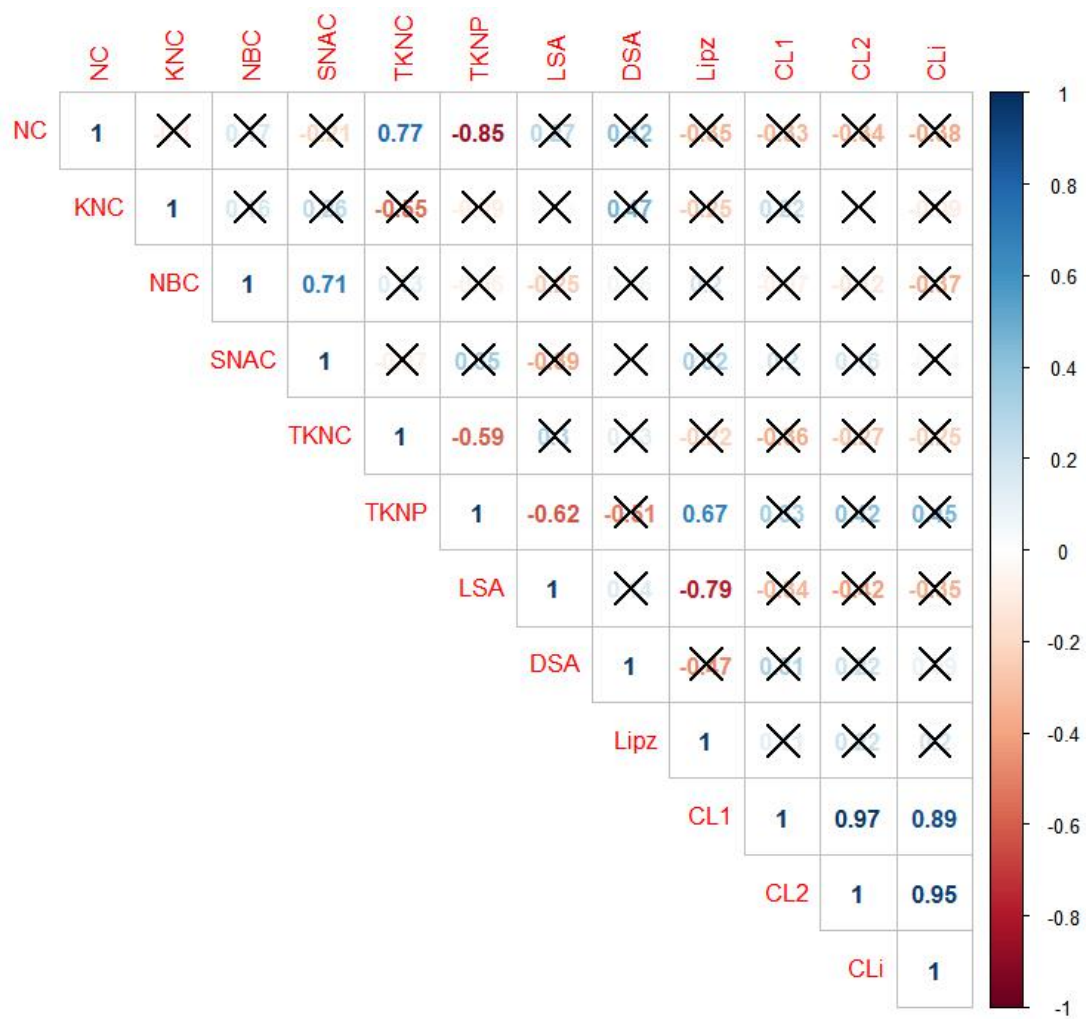


Fig. 2: MNIST LeNet

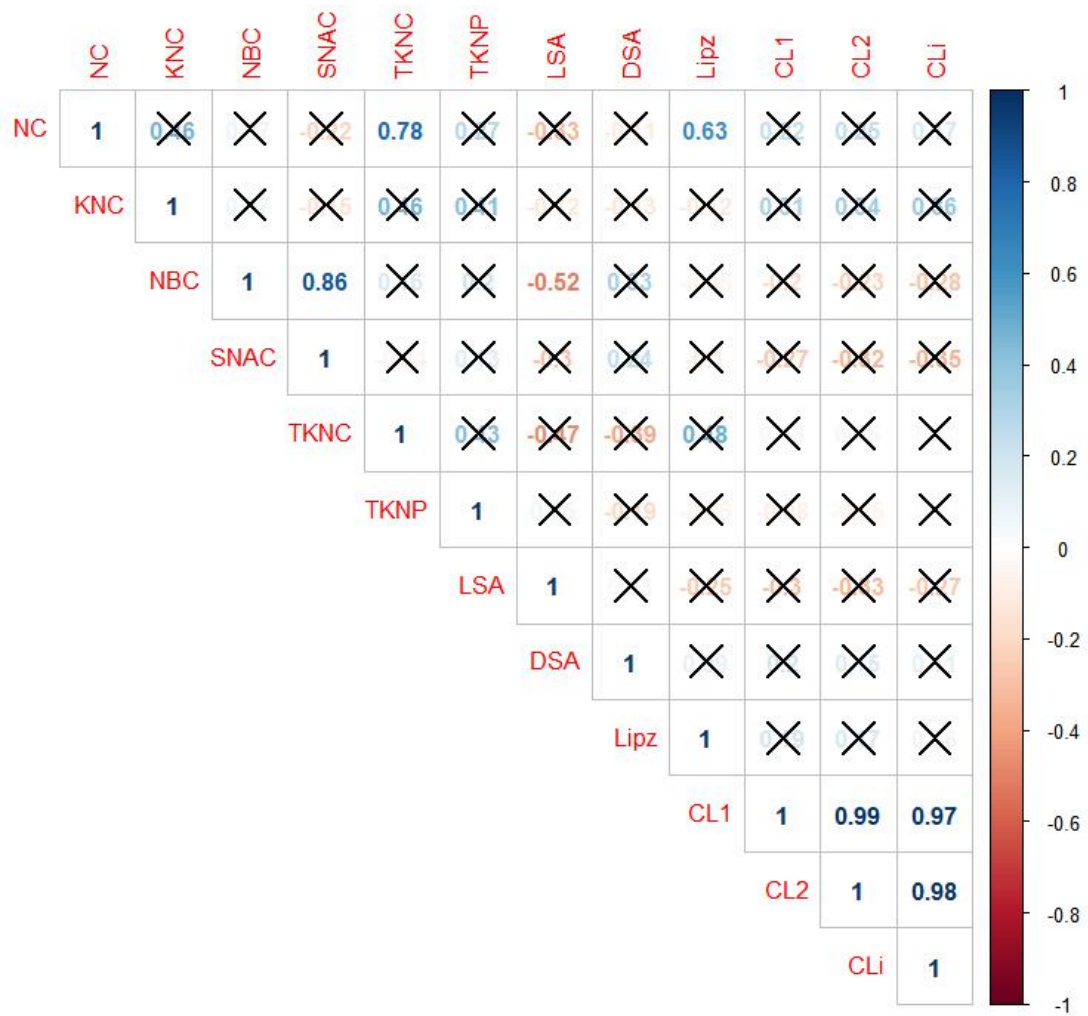


Fig. 3: MNIST VGG

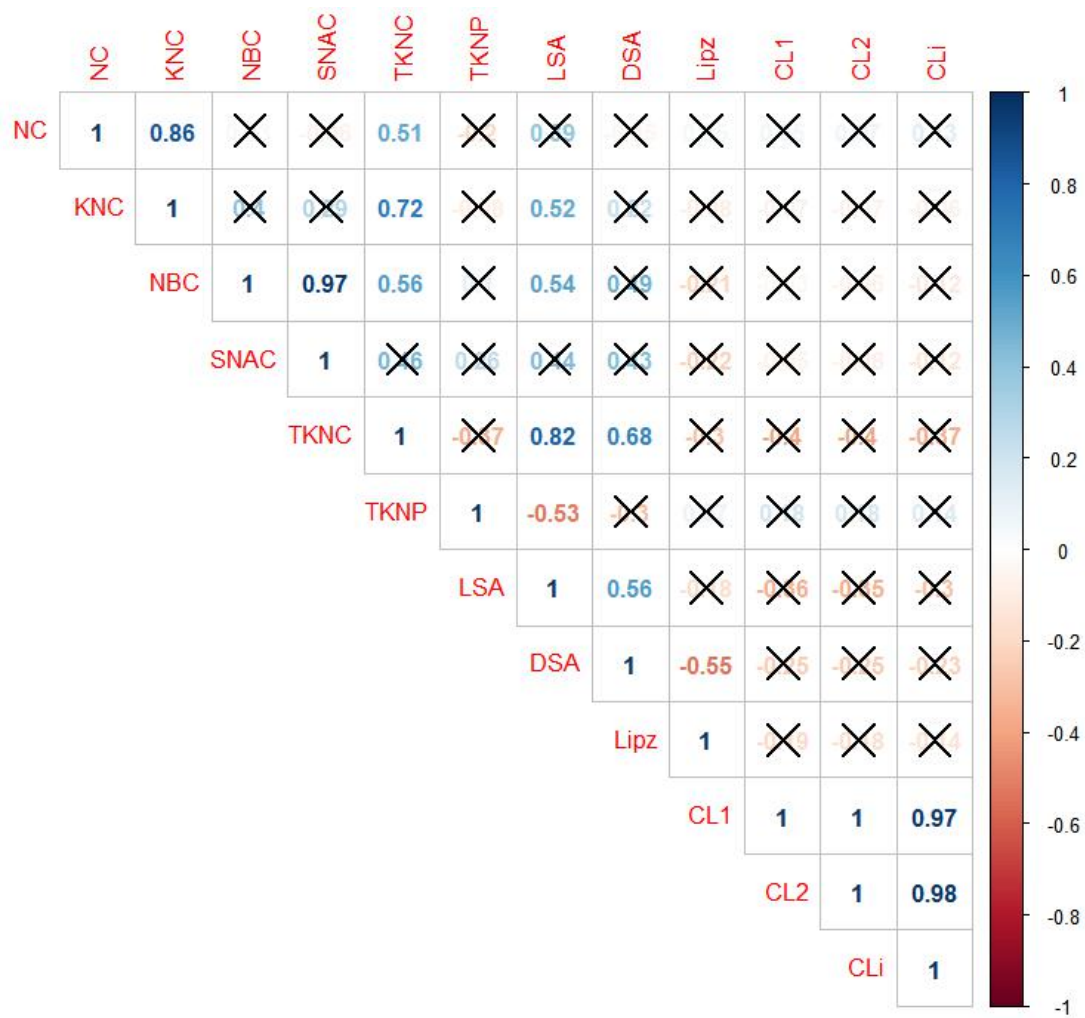


Fig. 4: MNIST ResNet

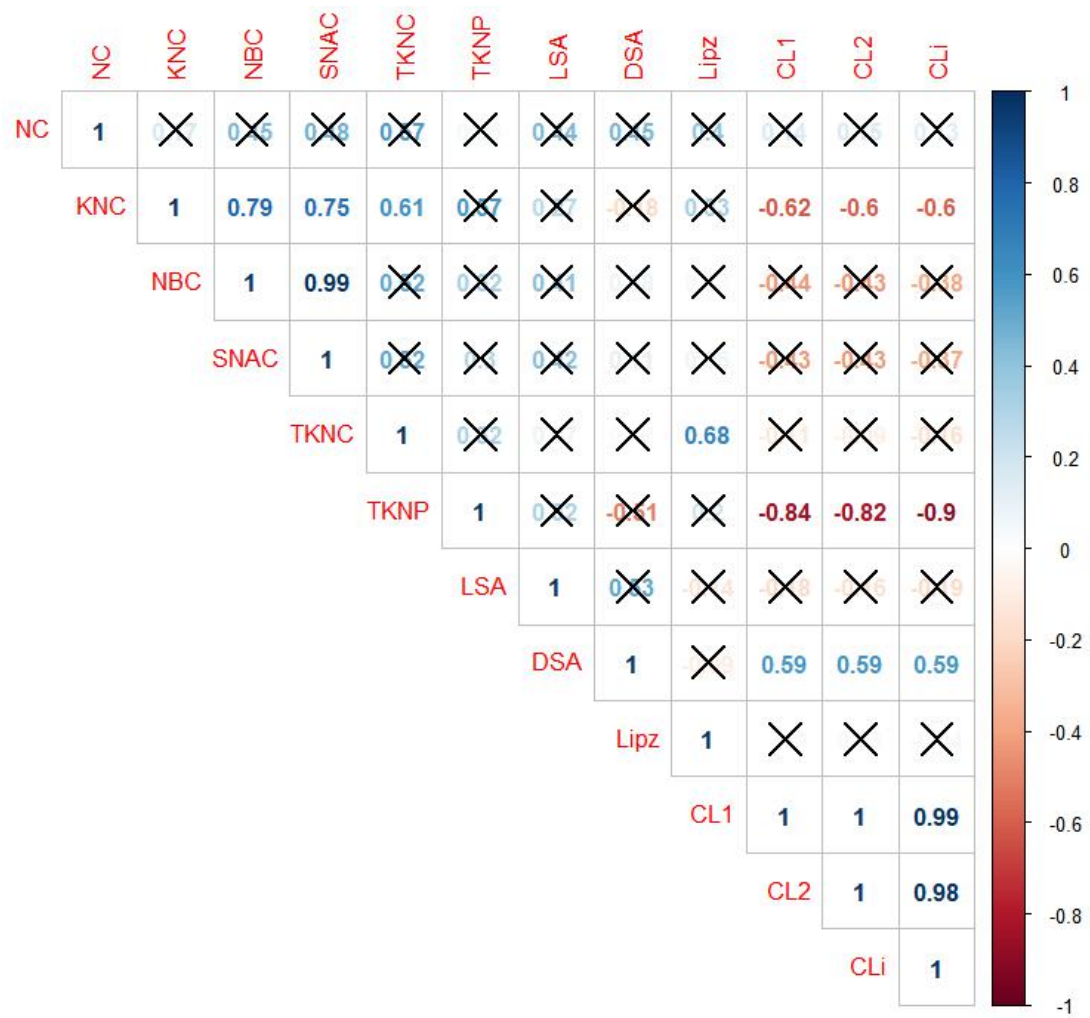


Fig. 5: MNIST GoogLeNet

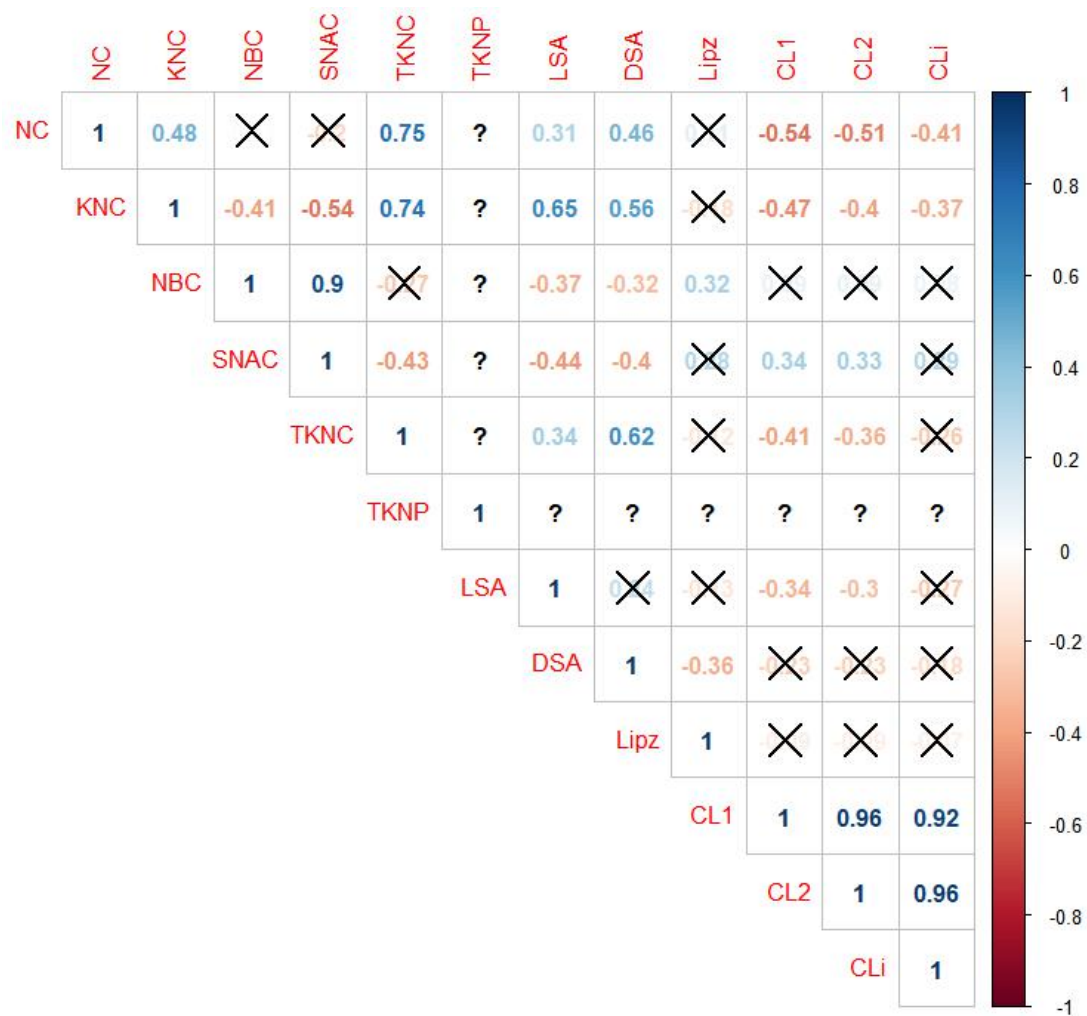


Fig. 6: CIFAR10 all models

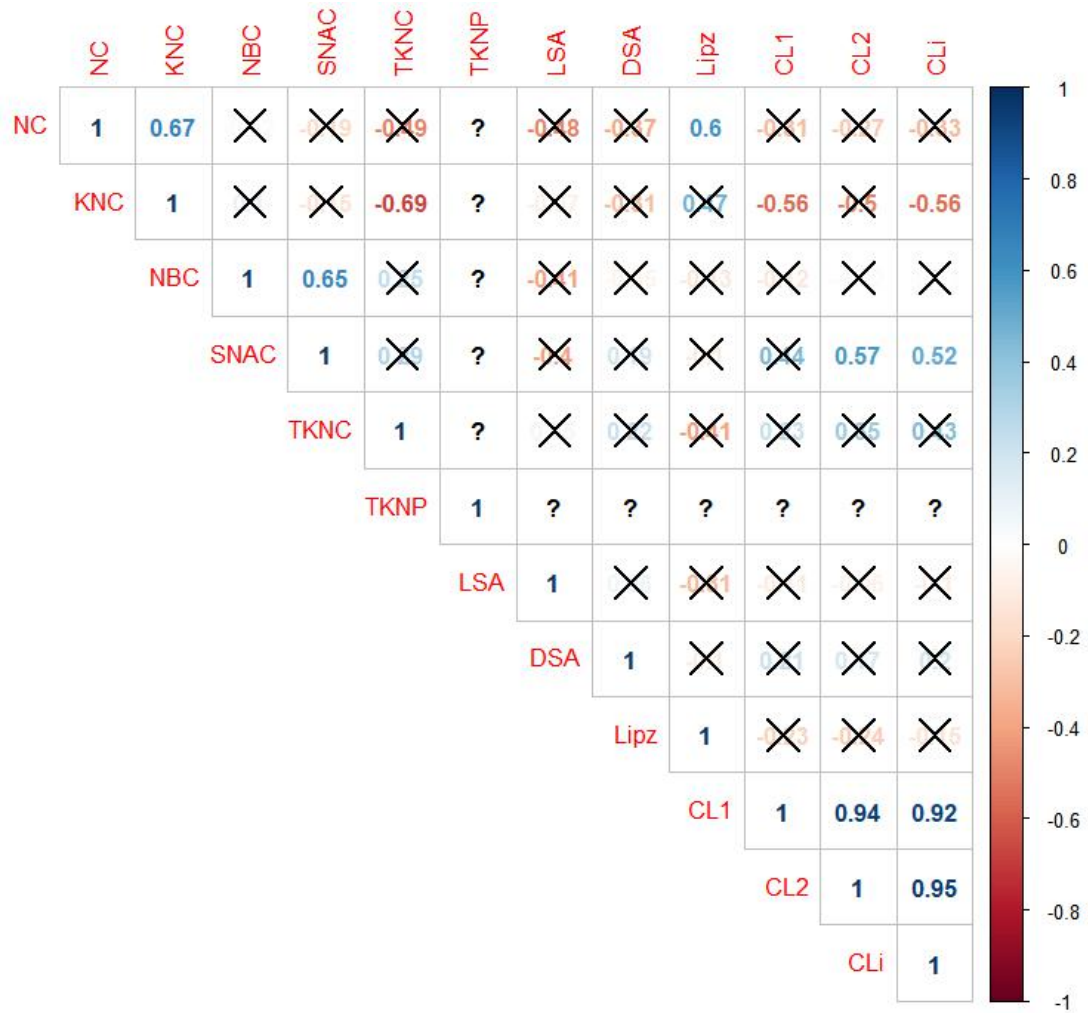


Fig. 7: CIFAR10 VGG

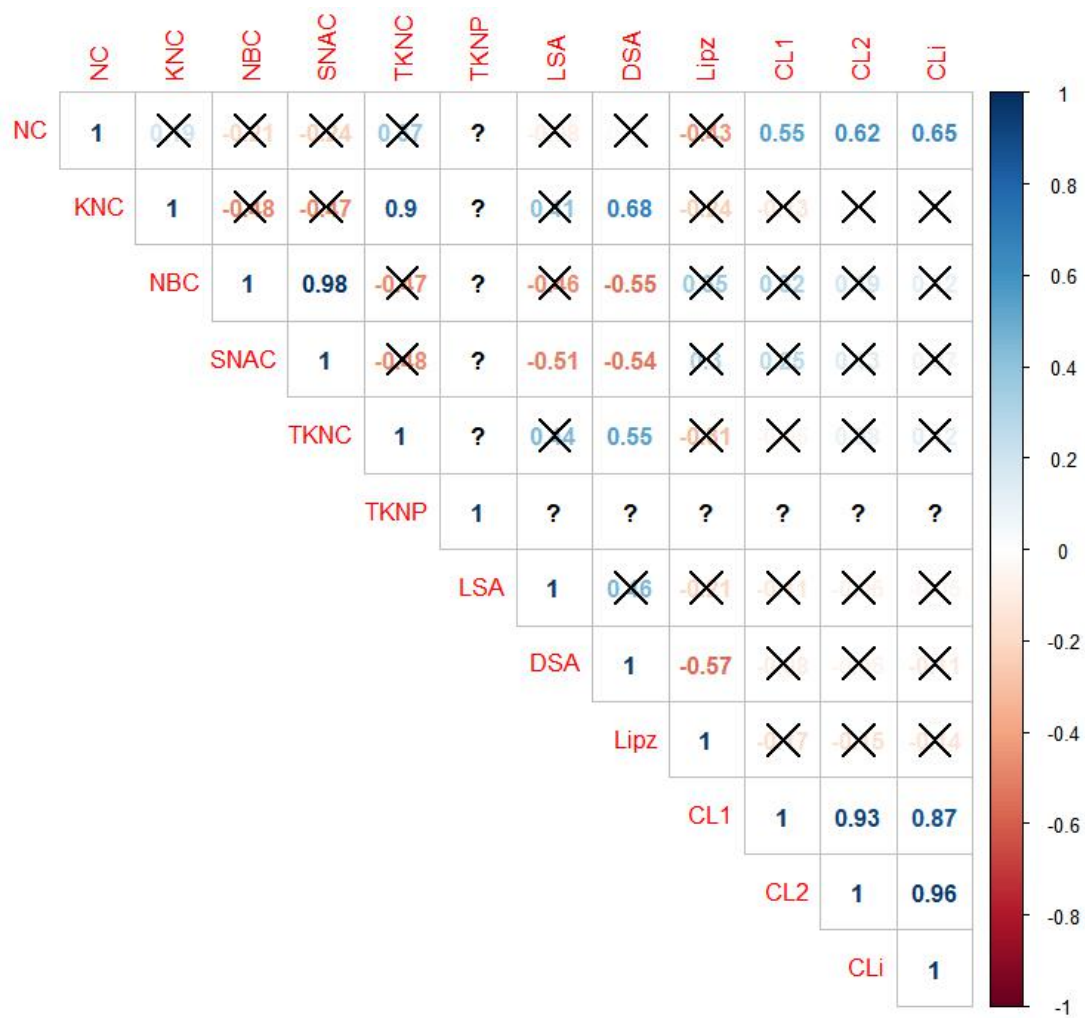


Fig. 8: CIFAR10 ResNet



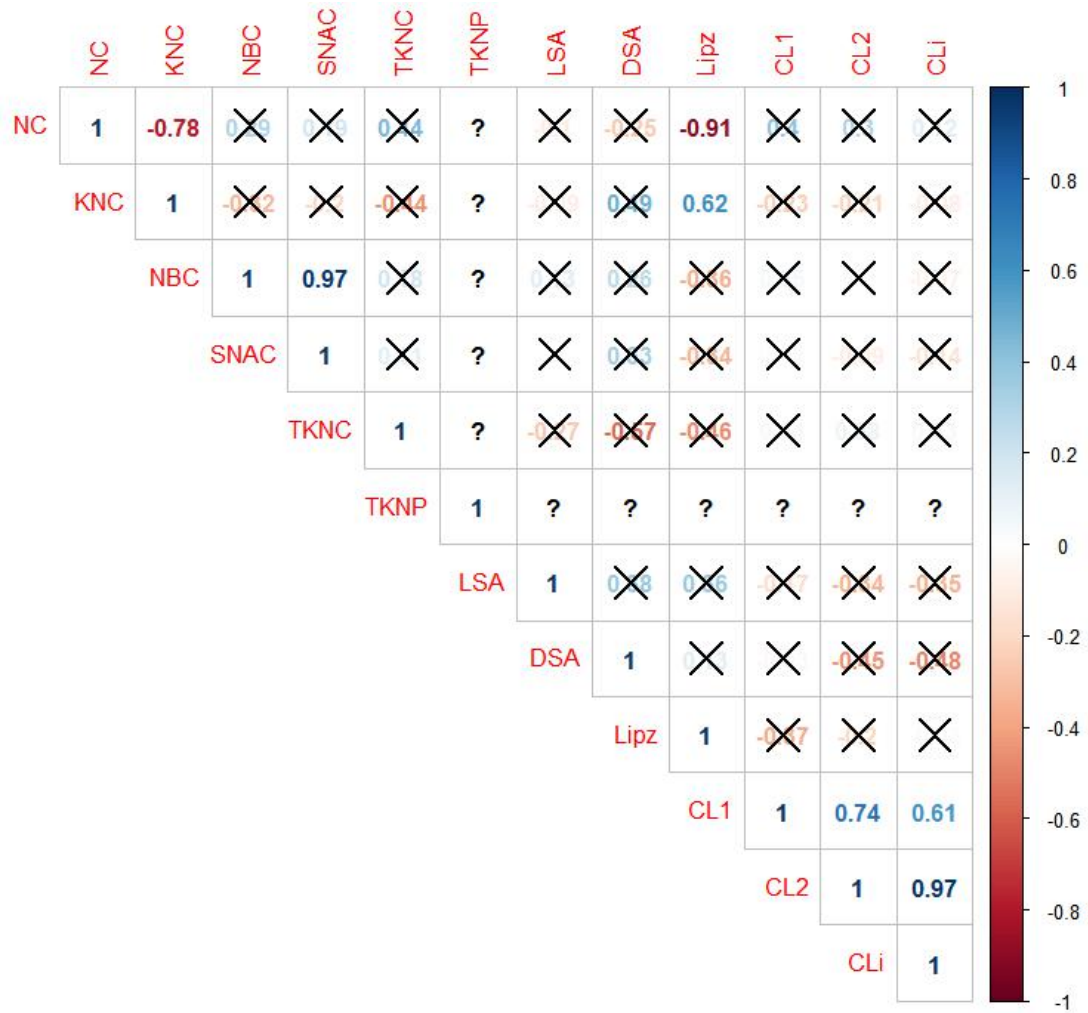


Fig. 9: CIFAR10 GoogLeNet

## 2. Coverage Criterion Difference vs. Robustness Difference vs. Attack Metric.

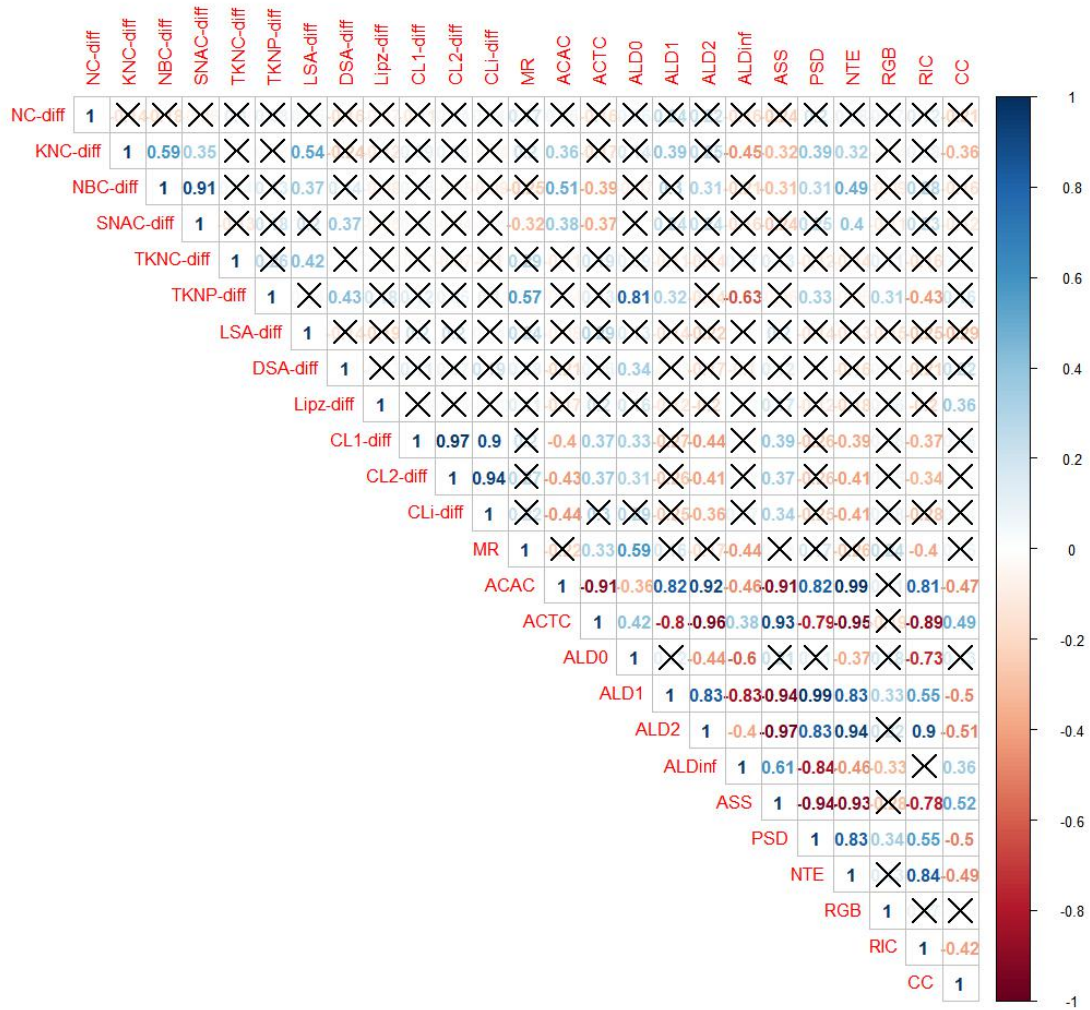


Fig. 10: MNIST all models

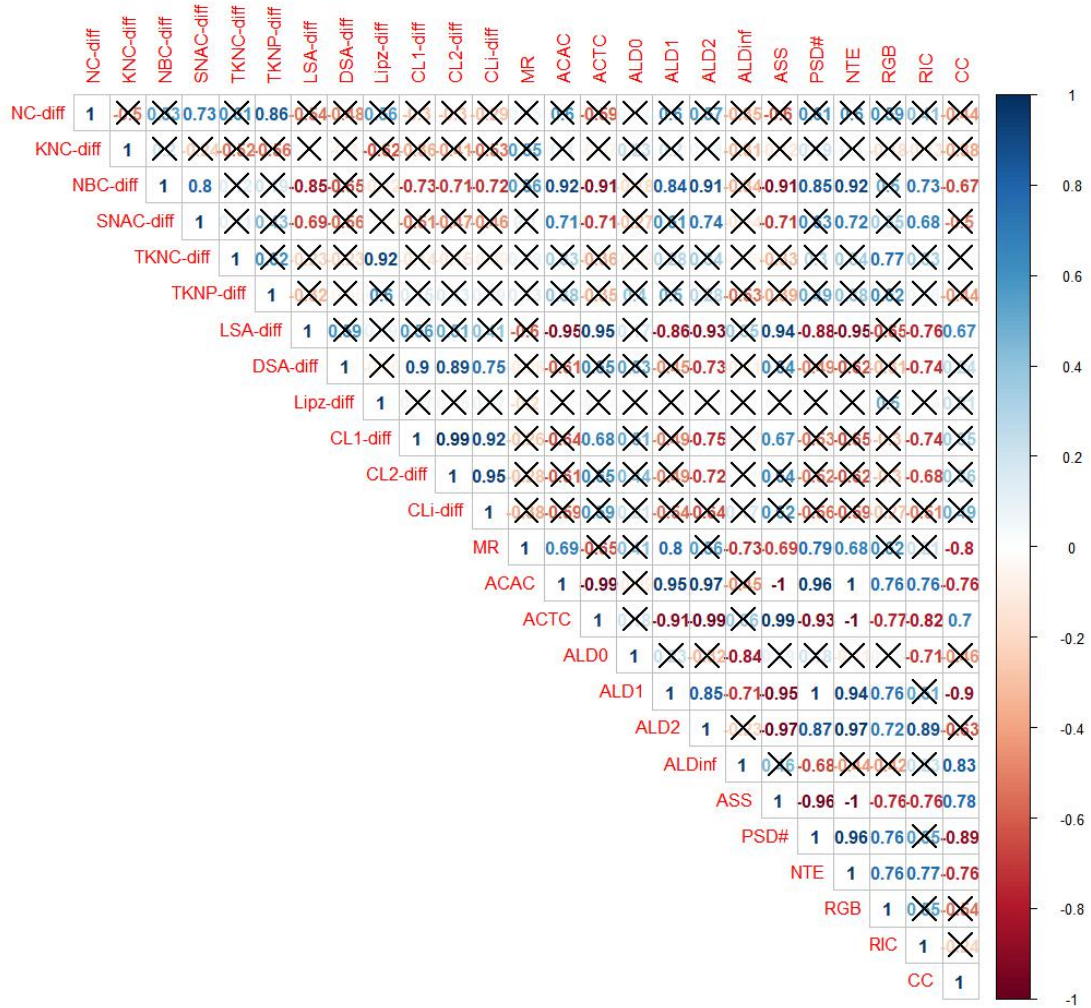


Fig. 11: MNIST LeNet

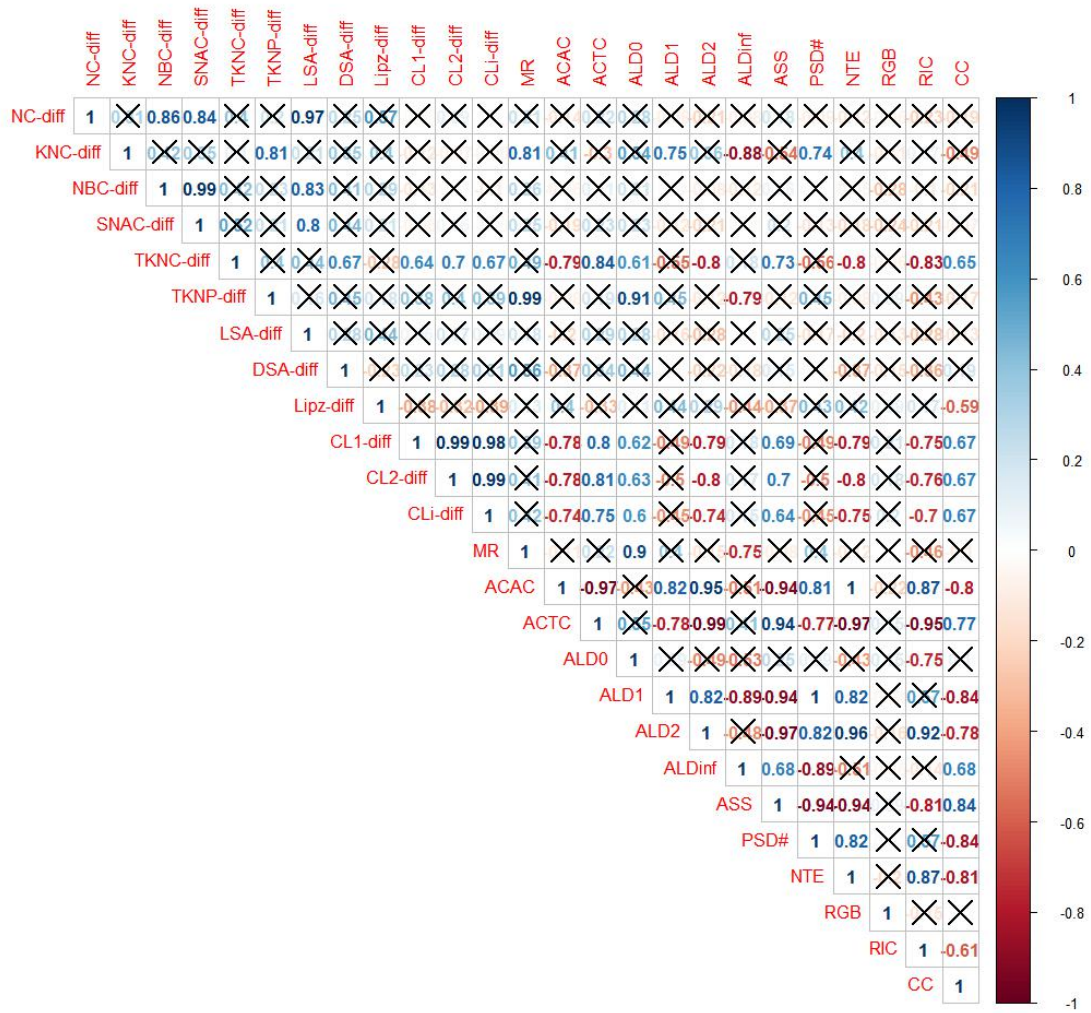


Fig. 12: MNIST VGG



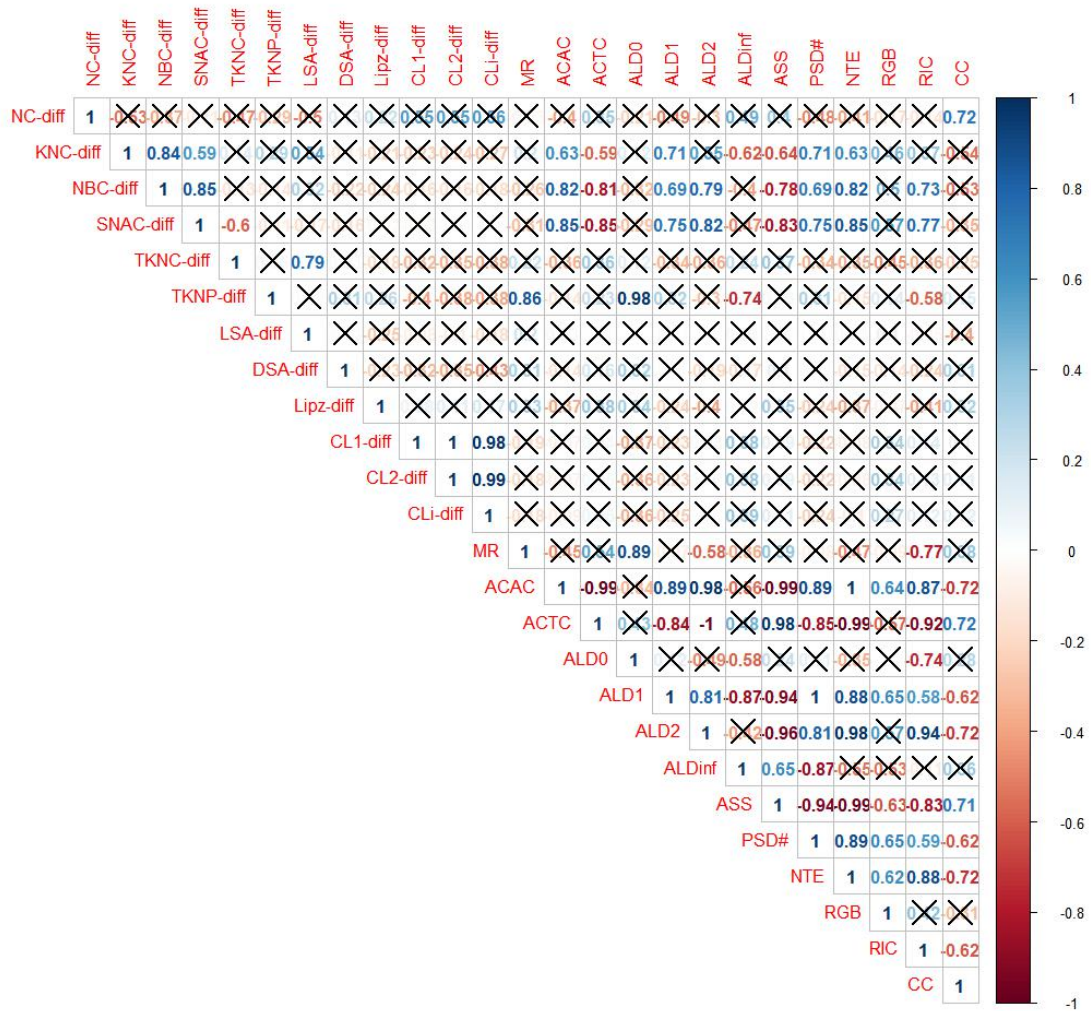


Fig. 13: MNIST ResNet

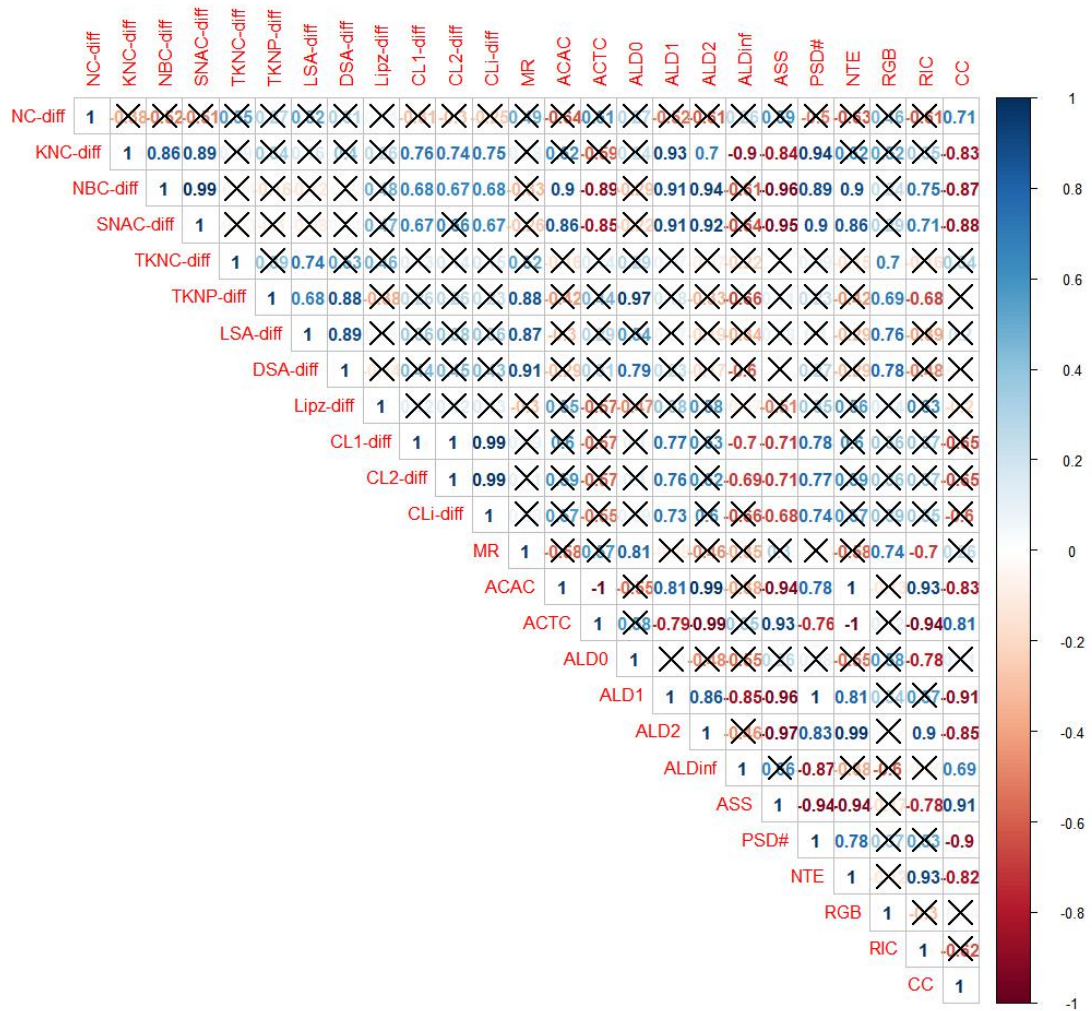


Fig. 14: MNIST GoogLeNet

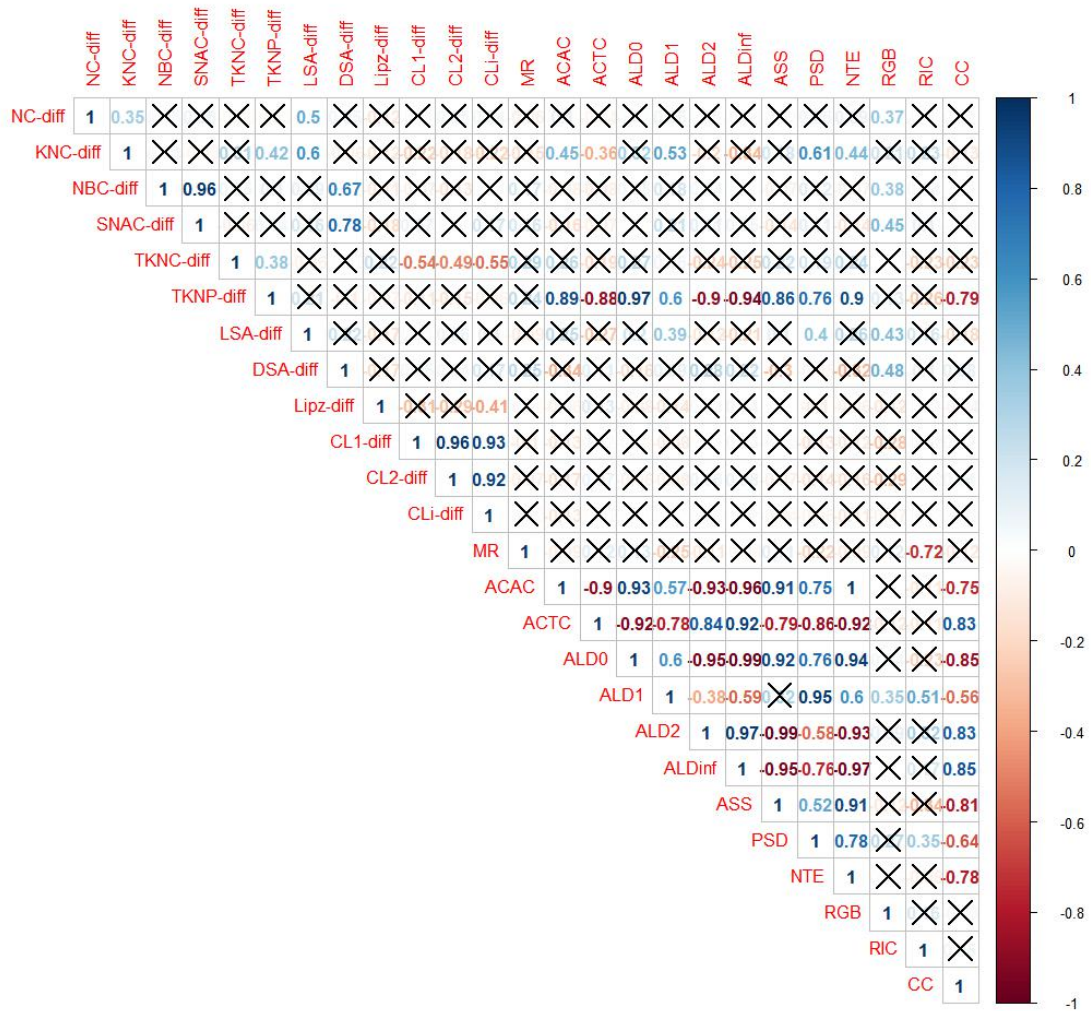


Fig. 15: CIFAR10 all models

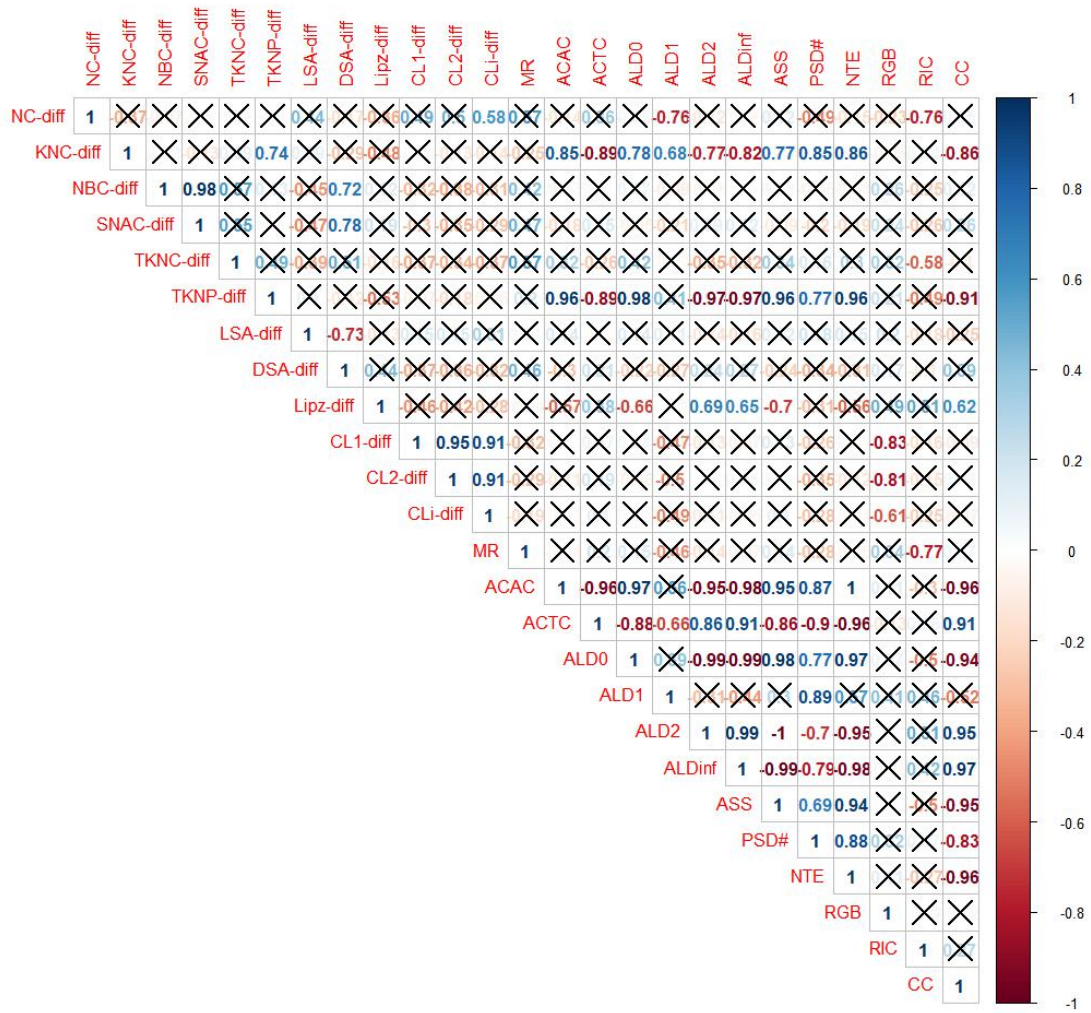


Fig. 16: CIFAR10 VGG



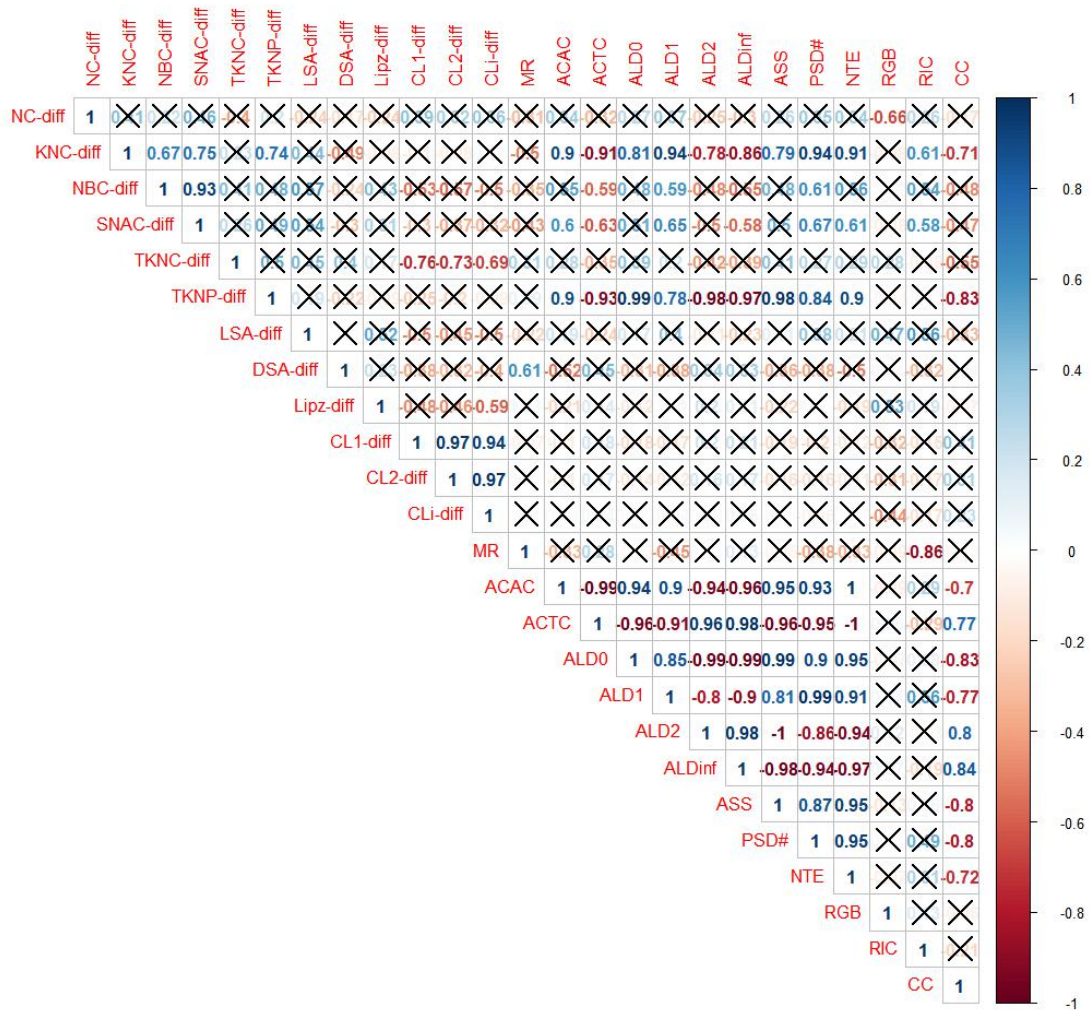


Fig. 17: CIFAR10 ResNet

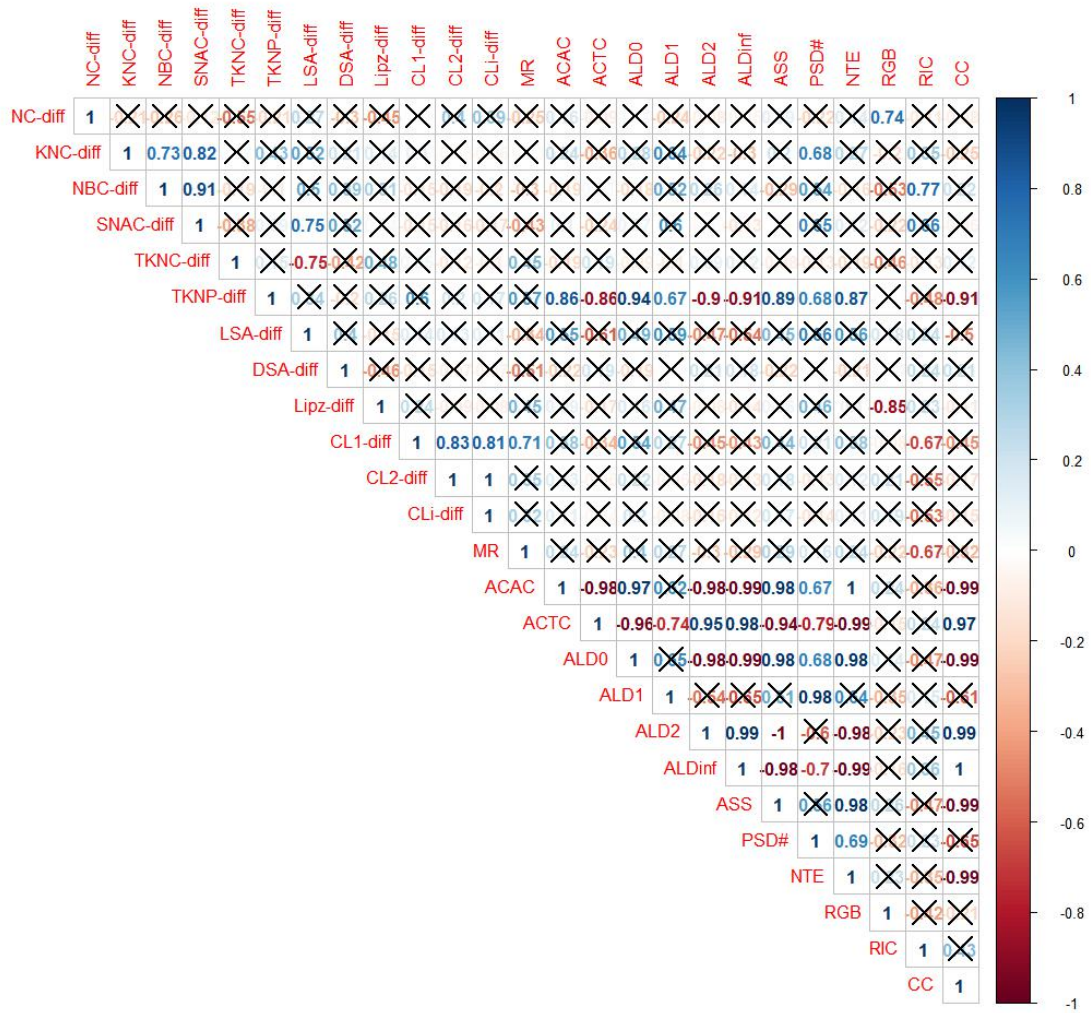


Fig. 18: CIFAR10 GoogLeNet

### 3. Defense Metrics vs. Coverage Criteria Differences vs. Robustness Differences.

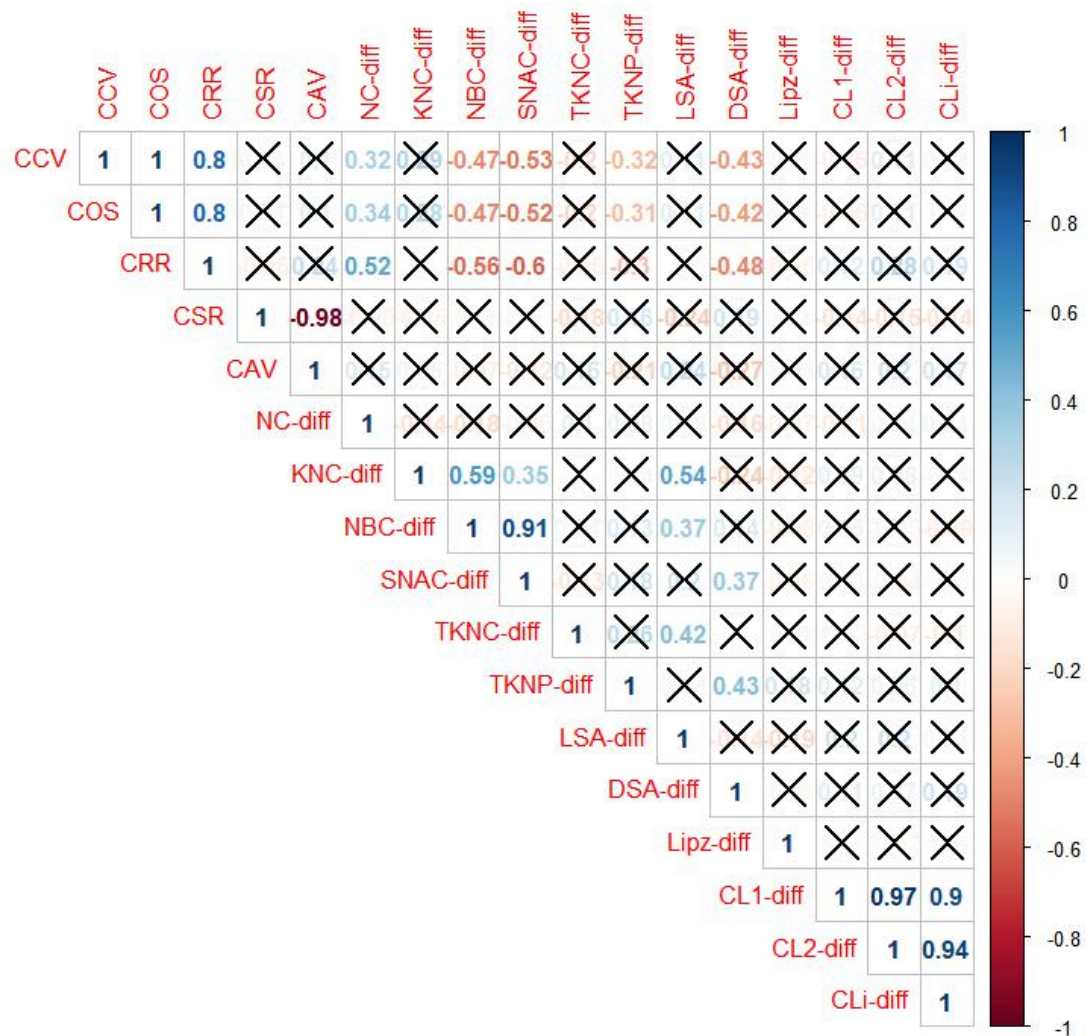


Fig. 19: MNIST all models

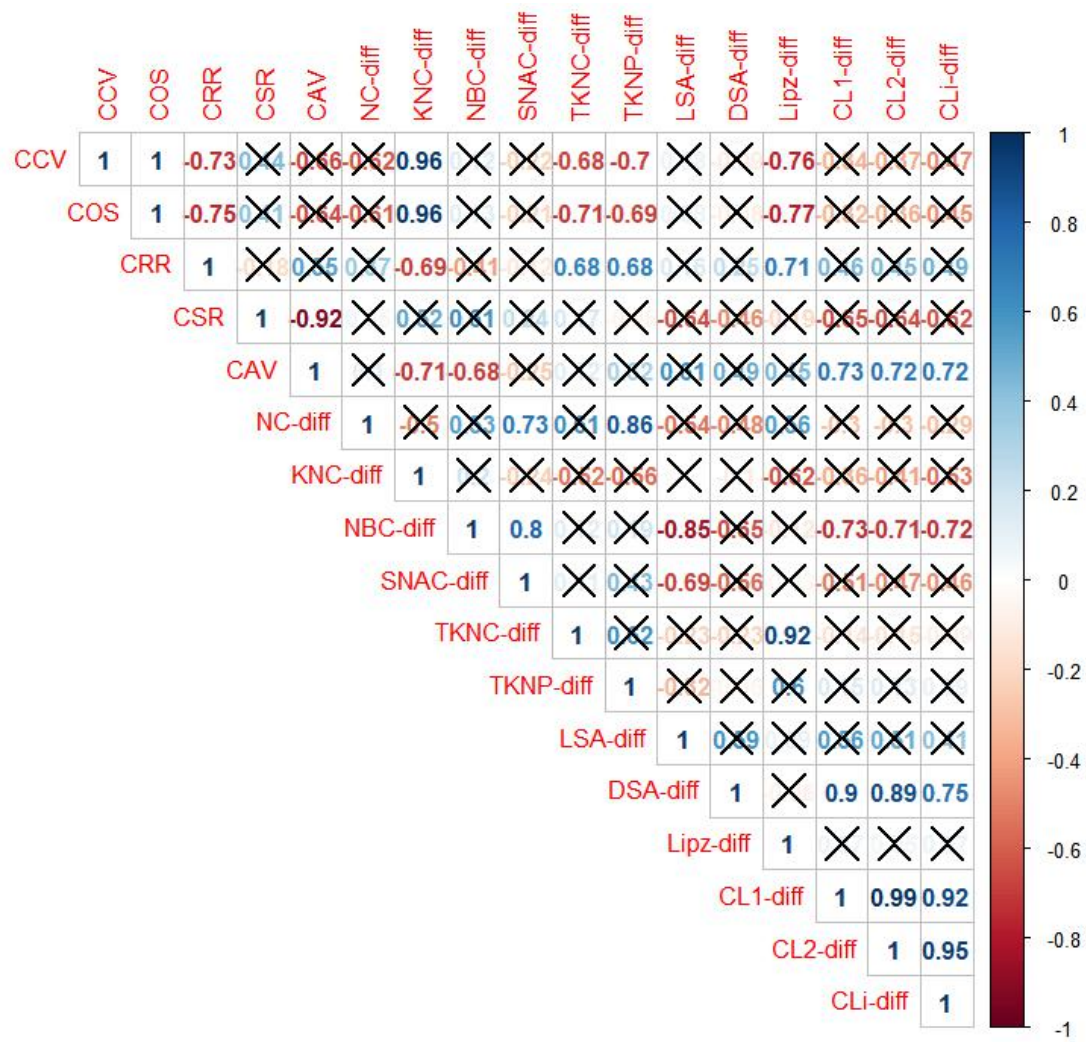


Fig. 20: MNIST LeNet



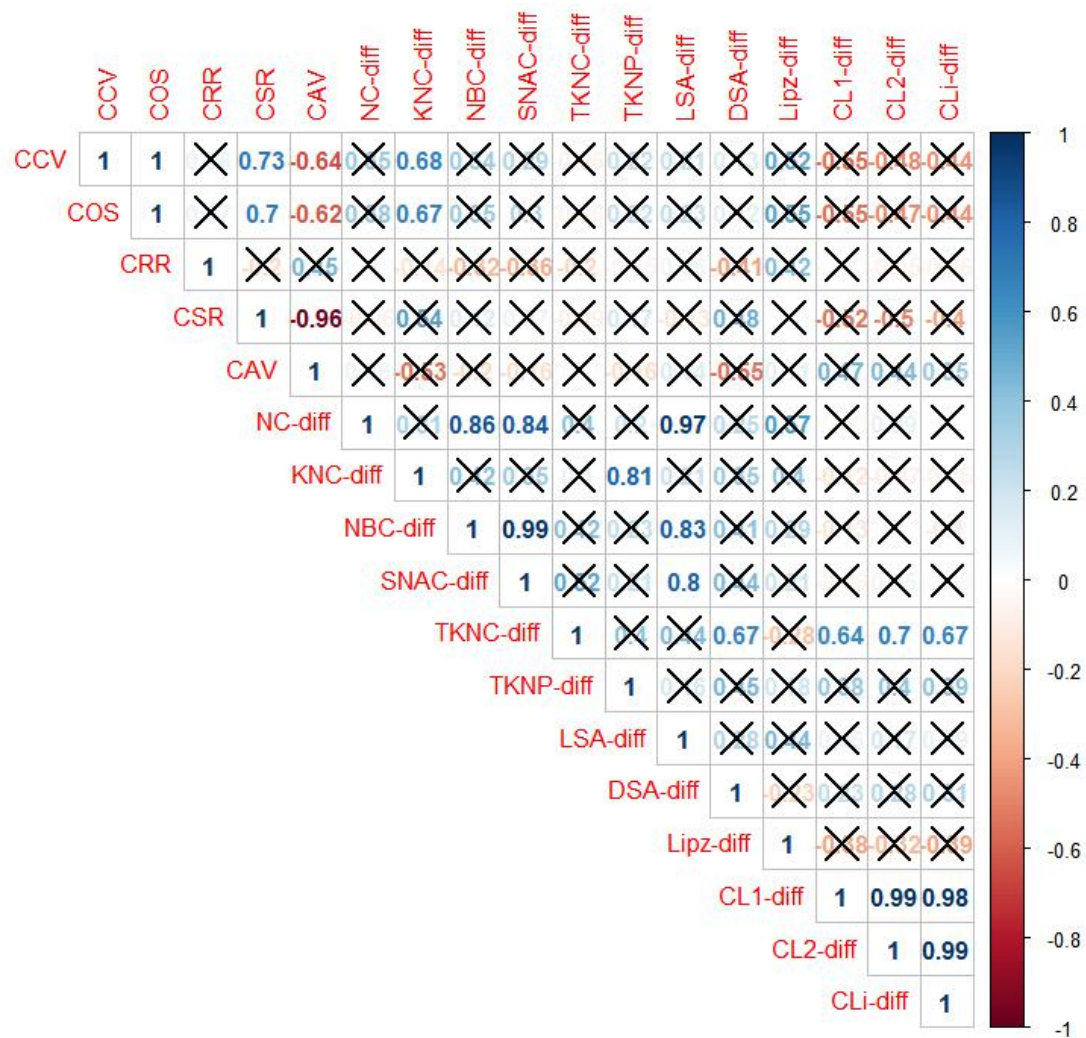


Fig. 21: MNIST VGG

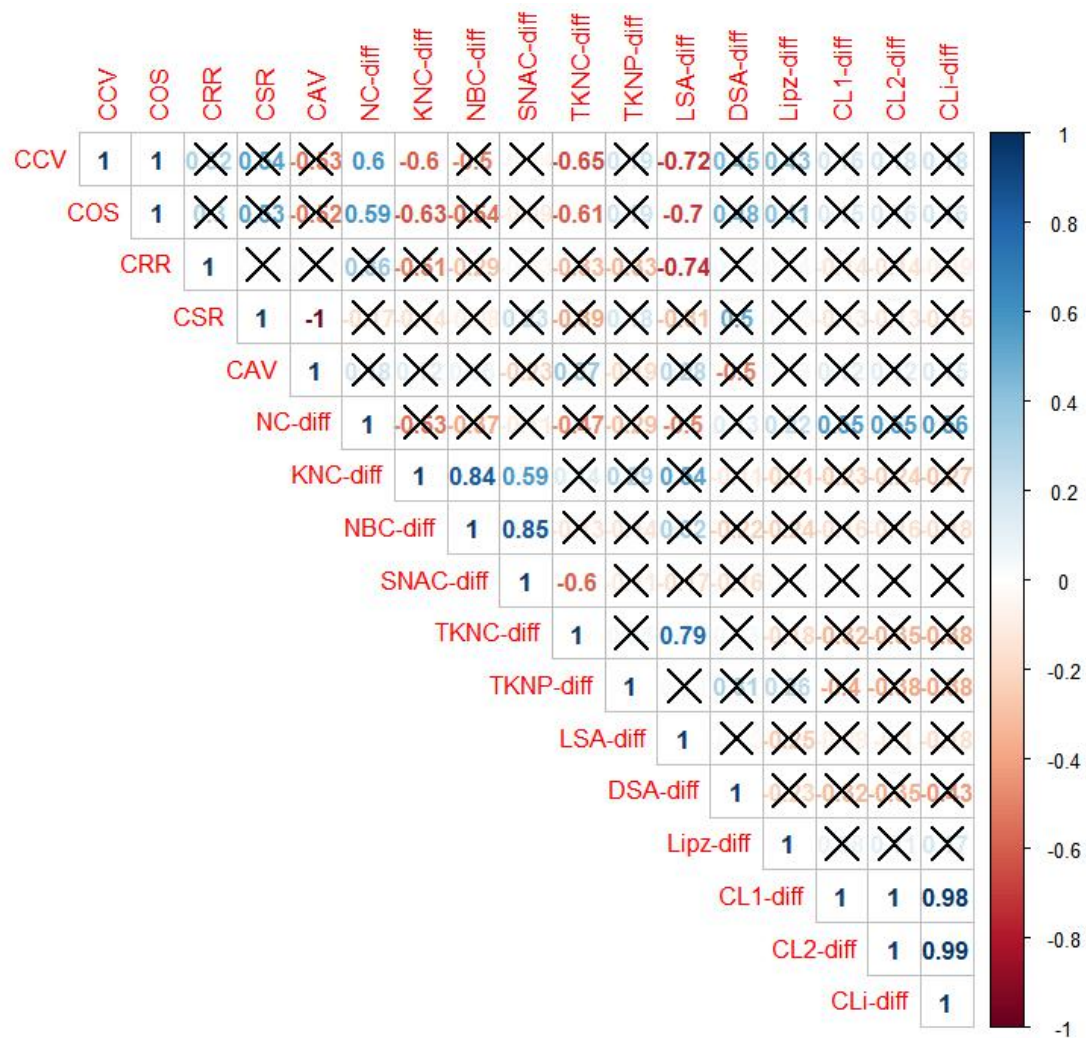


Fig. 22: MNIST ResNet

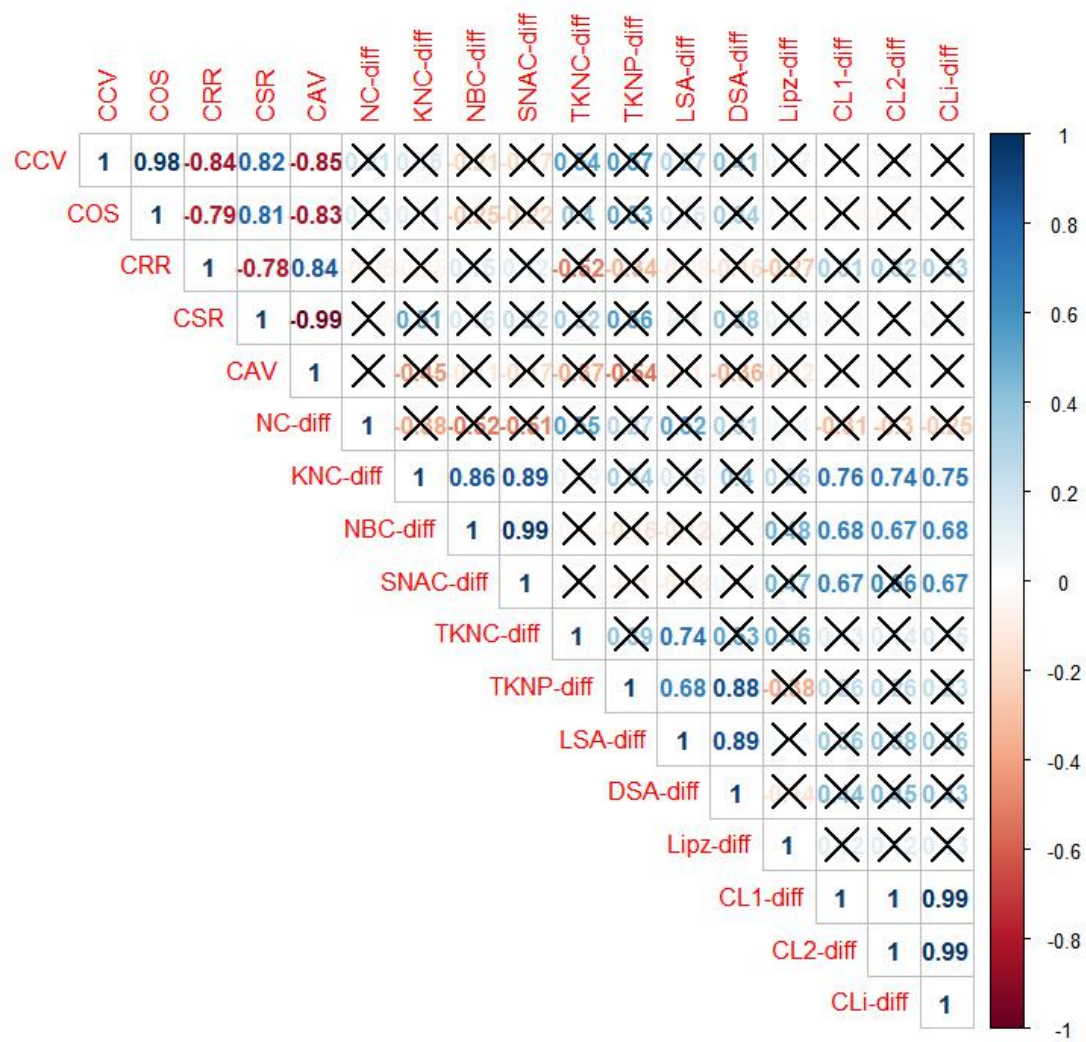


Fig. 23: MNIST GoogLeNet

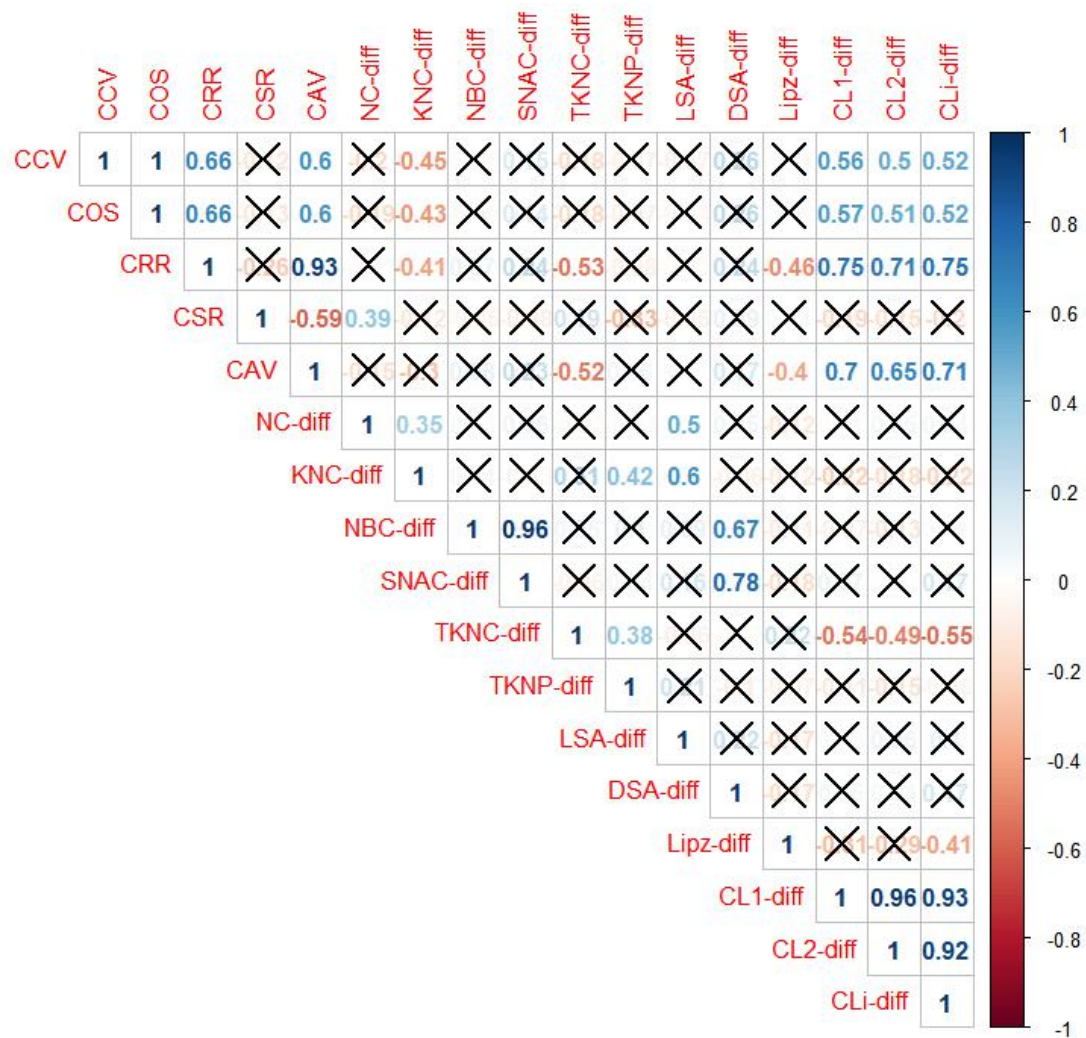


Fig. 24: CIFAR10 all models



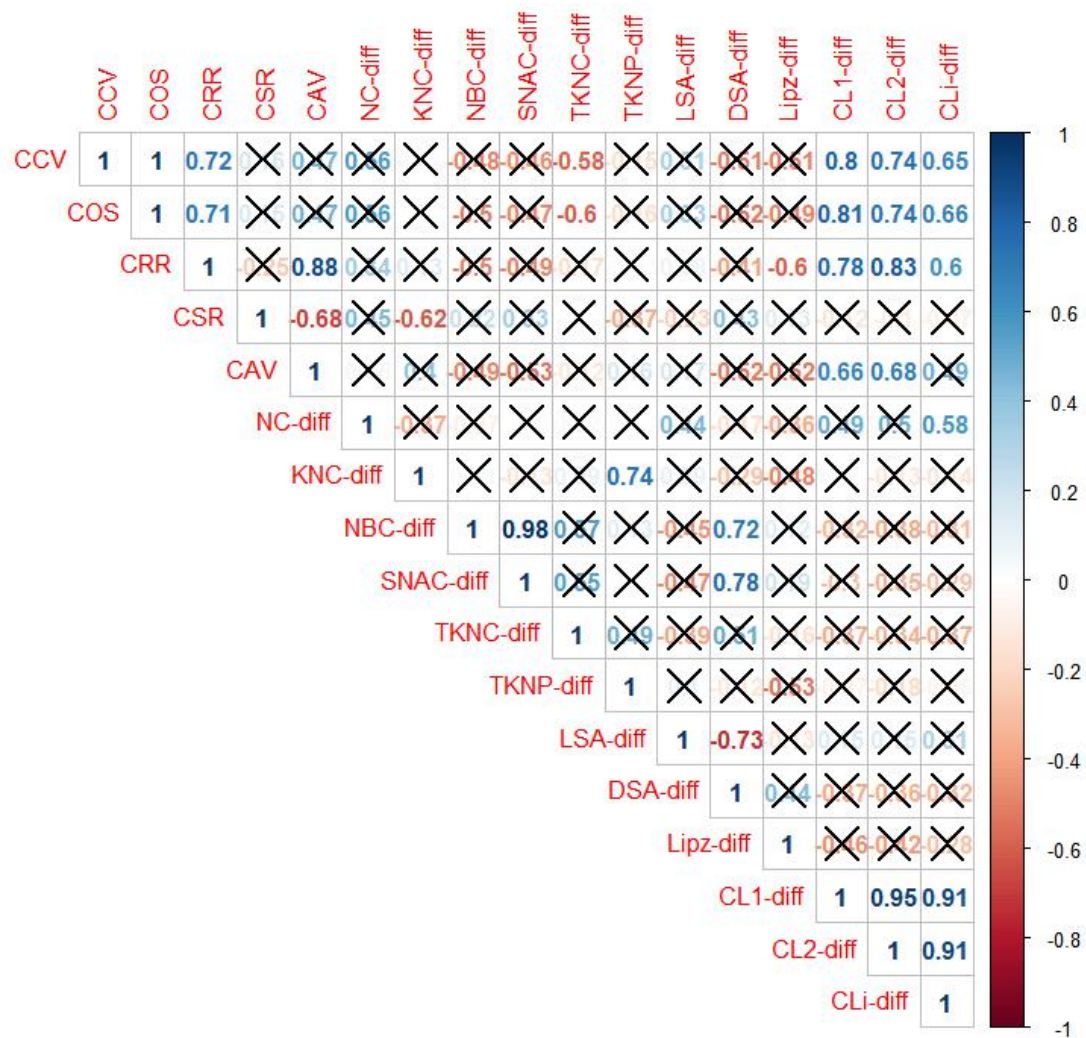


Fig. 25: CIFAR10 VGG

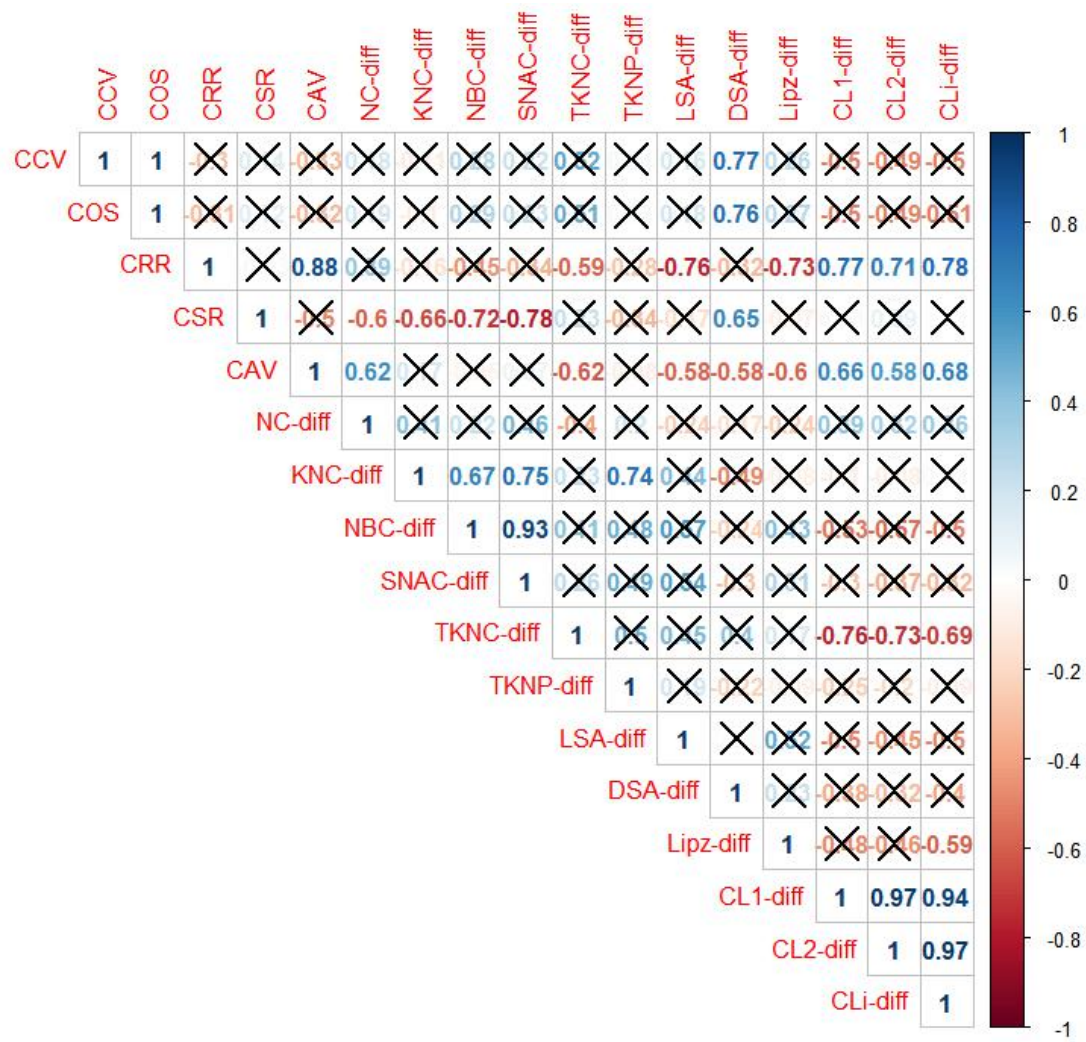


Fig. 26: CIFAR10 ResNet

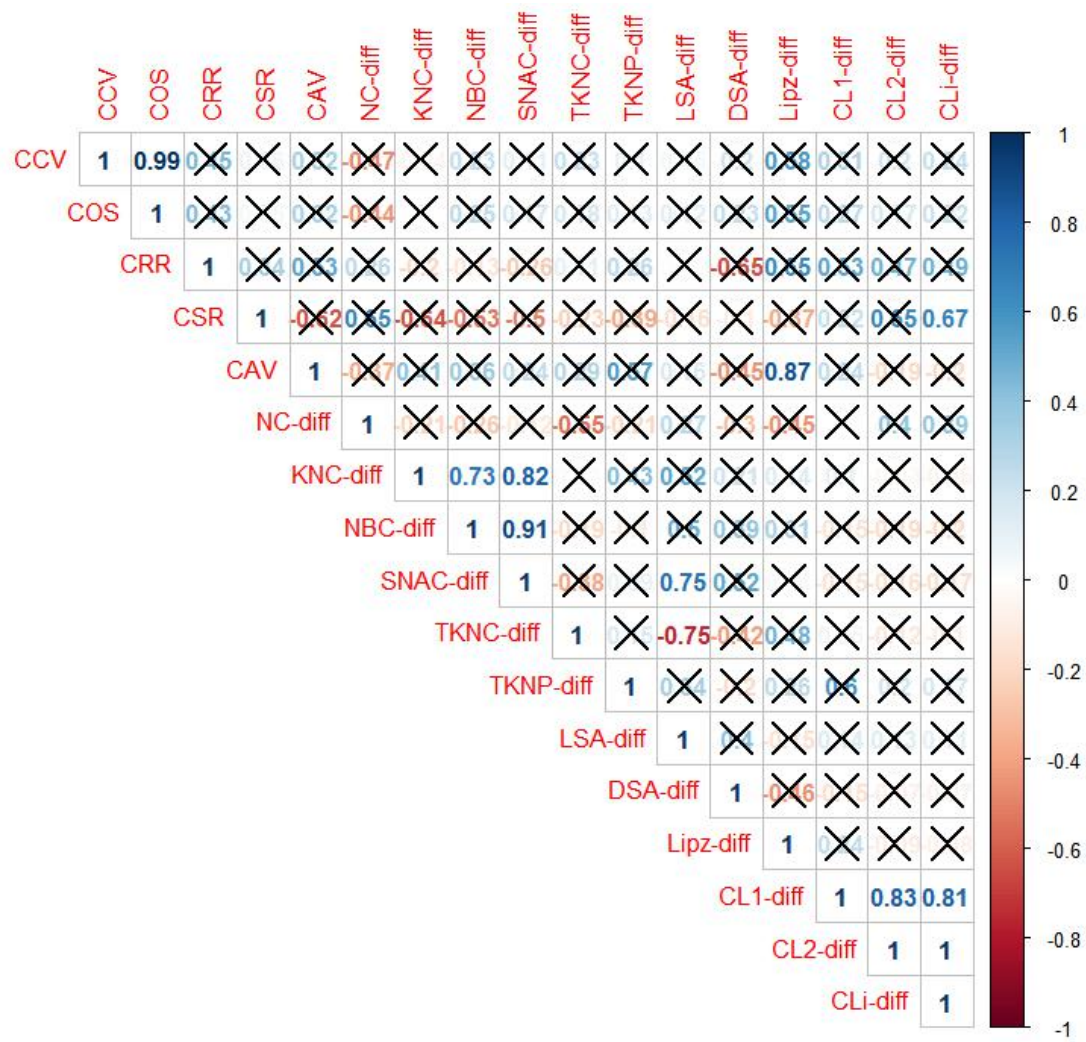


Fig. 27: CIFAR10 GoogleNet