RC: RNN + CNN1D

CP: CNN1D + parallel structure

CR: CNN1D + residual block

X: XGBoost

S: SVM

A: ANN

S: Shuffle

N: No shuffle

Tr: Training set

V: Validation set

T: Test set

Files[5]: G07\_Freezing\_Trial1\_trial\_1\_emg.csv

Files[6]: G08\_FoG\_1\_trial\_1\_emg.csv

Files[7]: G08\_FoG\_2\_trial\_1\_emg.csv

Files[30]: G09\_Walking\_trial\_2\_emg.csv

Files[31]: G09\_Walking\_trial\_4\_emg.csv

Files[32]: G09\_Walking\_trial\_6\_emg.csv

Files[33]: G11\_Walking\_trial\_2\_emg.csv

Files[34]: G11\_Walking\_trial\_4\_emg.csv

Files[35]: P231\_M050\_A\_Walking\_trial\_2\_emg.csv

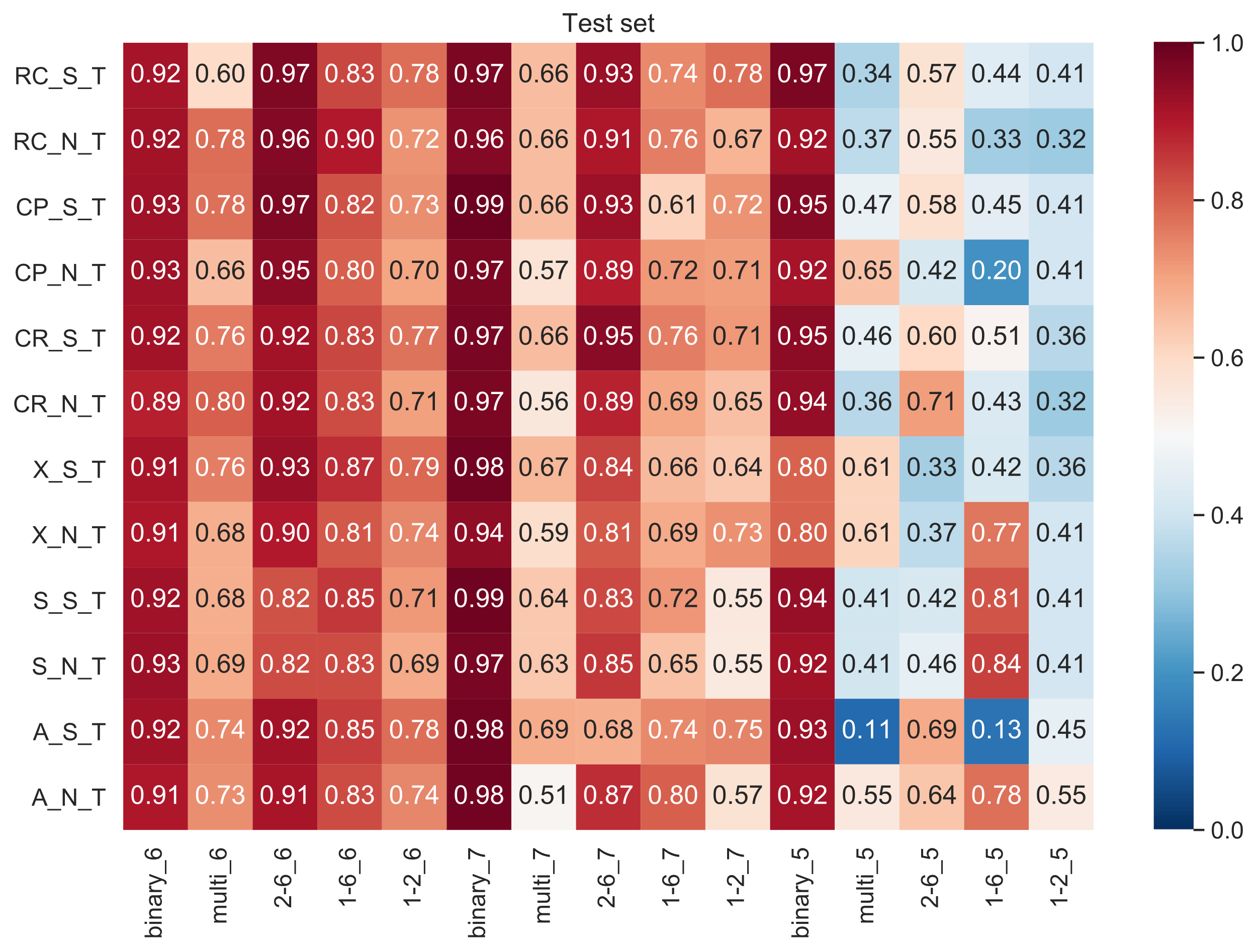
e.g. RC\_S\_TR: Training set of RNN + CNN1D model with shuffle

multi\_5: multiclassification(1:2:6) drop files[5,30,31,32,33,34,35] out.

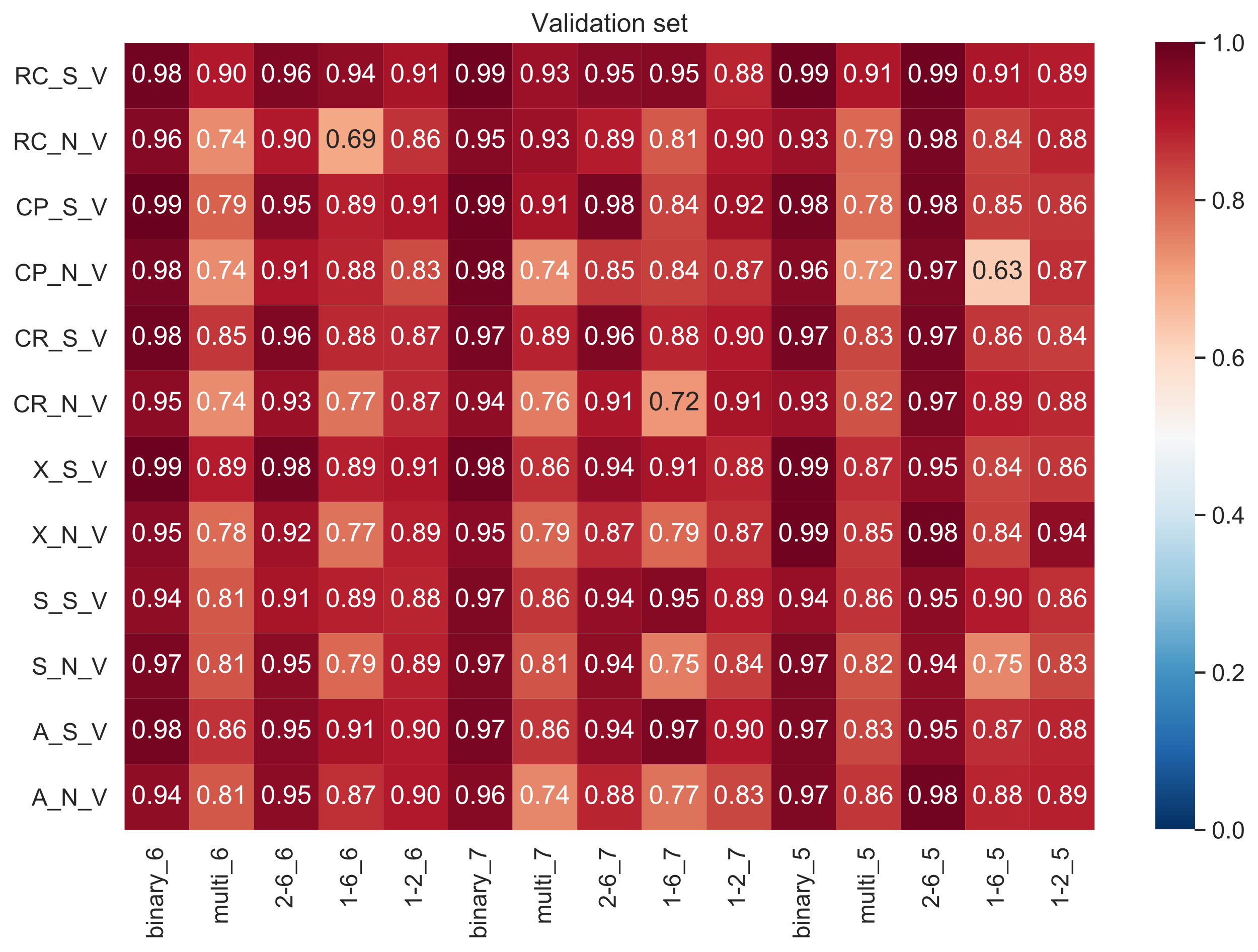
binary\_6: binary classification(0:others) drop files[6,30,31,32,33,34,35] out.

2-6\_7: binary classification(2:6) drop files[7,30,31,32,33,34,35] out.

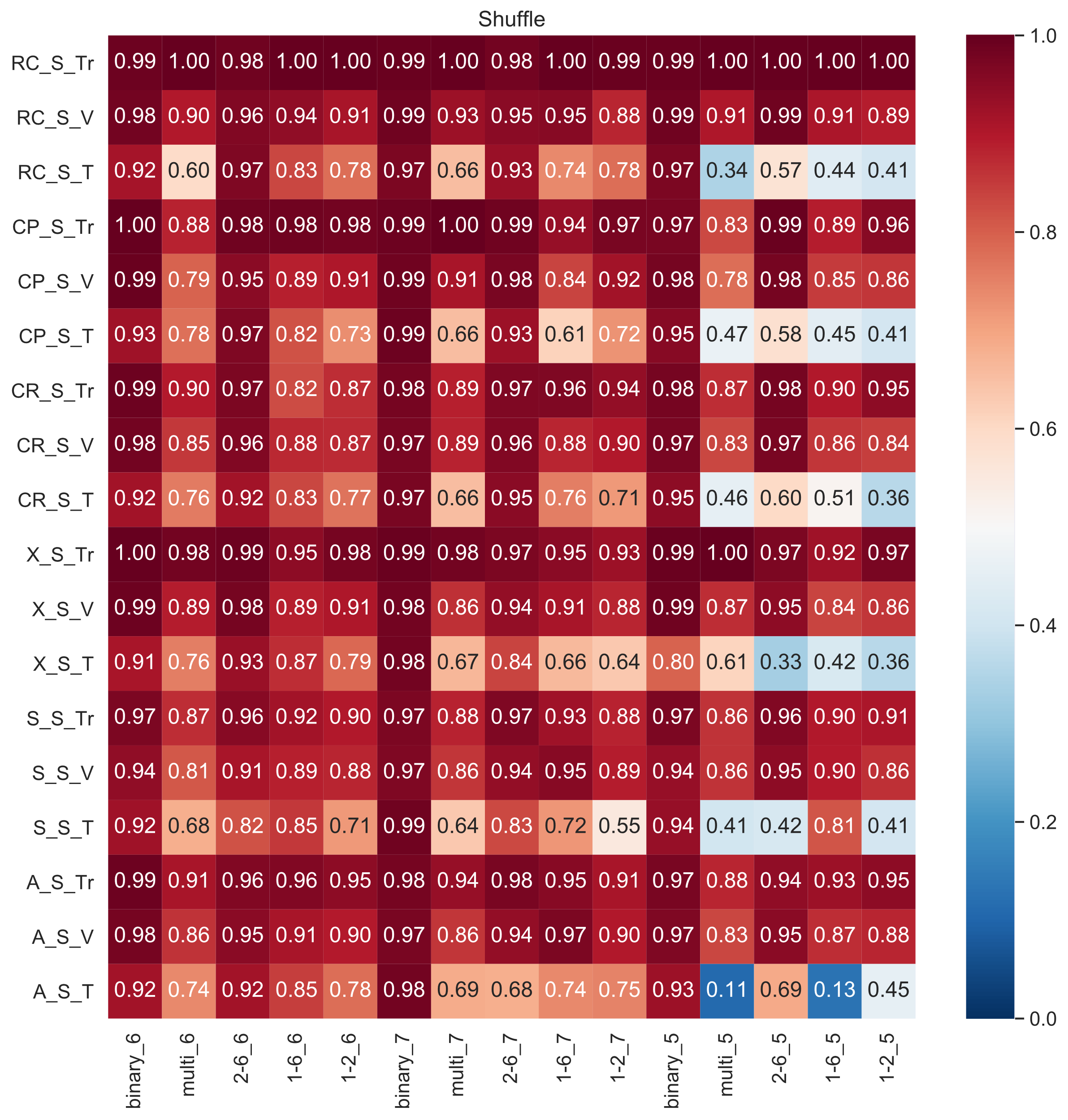
## Results of test set



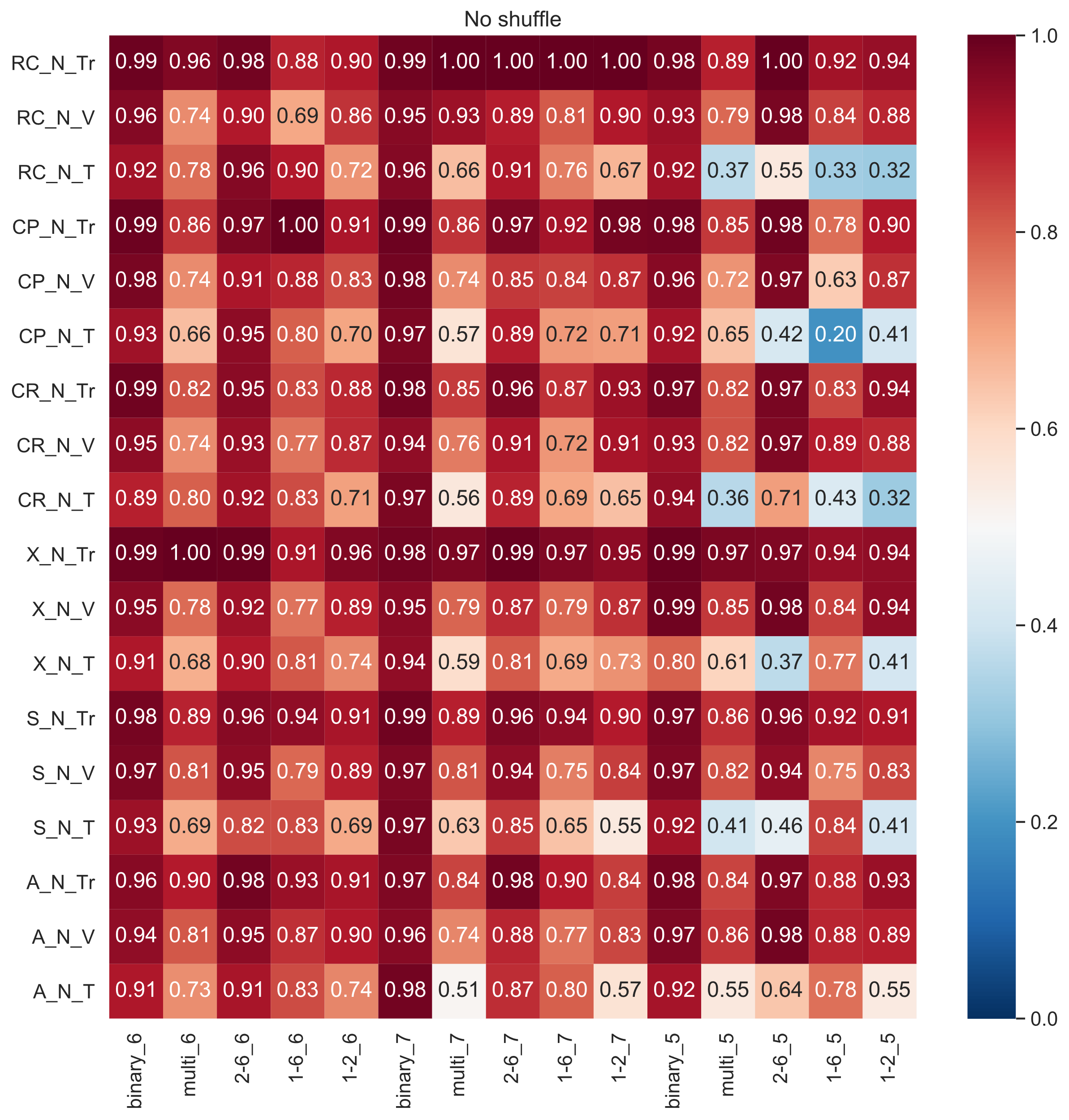
## Results of validation set



## **Results of shuffled data**



## Results of unshuffled data



## Results of all

