**S3 Table: Classification accuracy with consistent neuroimaging marker identification method by variation in number of selected connections.** The number of selected connections is varied from 50 to 1,000 and the classification performance is studied.

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| Number of connections | Prediction accuracy | Specificity (mean) | Sensitivity (mean) |
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For this experiment, 50% dataset is used for training and rest 50% for testing over 100 trials. It can be seen that the best accuracy is achieved with 450 connections.