Model	Test subject	validation accuracy	Test accuracy	Left MI PPV	Right MI PPV	FPR L/R MI	Non-default parameter settings
AutoFreq + CSP + LDA	B	48.07 +- 1.66	34.90	34.17	32.56	65.91	4 - 30 Hz filter | 10 CSP components | LDA SVD solver with 0.0001 tol
CSP + RF	B	44.89 +- 3.51	43.13	61.15	49.11	43.87	10 CSP components | RF with max depth 3, 0.4 features, 10 min sample split, 500 estimators
CSP + LDA	B	45.00 +- 2.57	46.77	47.92	53.42	50.53	CSP 10 components | SVD LDA with 0.0001 tol
CSP + SVM	B	46.25 +- 2.76	46.77	48.84	58.47	48.70	10 CSP components | rbf SVM with C 10 and gamma 0.01
ShallowConvNet	B	0.651 @ epoch 2151	62.08	61.79	65.75	36.65	/
BiLSTM EEGNet	B	0.6458 @ epoch 177	63.02	68.59	70.54	30.53	/
DeepConvNet	B	0.6753 @ epoch 1220	64.58	71.62	**72.96**	**27.79**	/
EEGNet	B	0.6927 @ epoch 1473	65.73	71.52	71.81	28.35	/
BiConvLSTM EEGNet	B	0.6545 @ epoch 300	**65.94**	**71.55**	68.15	29.95	40 LSTM filter, 0.7 LSTM dropout
CSP + RF	C	81.98 +- 1.98	32.33	23.53	33.00	67.67	10 CSP components | RF with max depth None, 0.2 features, 2 min sample split, 50 estimators
AutoFreq + CSP + LDA	C	82.97 +- 2.96	35.66	43.87	34.08	64.34	2 - 28 Hz filter | 10 CSP components | LDA lsqr solver
CSP + LDA	C	81.77 +- 1.94	35.87	43.67	34.33	64.13	CSP 10 components | SVD LDA with 0.0001 tol
CSP + SVM	C	83.38 +- 2.13	37.54	42.75	35.65	62.46	10 CSP components | rbf SVM with C 1 and gamma auto
ShallowConvNet	C	0.8247 @ epoch 1115	67.26	78.71	64.18	29.58	/
BiLSTM EEGNet	C	0.8681 @ epoch 947	68.58	77.12	60.00	33.24	/
BiConvLSTM EEGNet	C	0.8663 @ epoch 300	68.72	77.97	64.31	29.61	40 LSTM filter, 0.7 LSTM dropout
EEGNet	C	0.8837 @ epoch 1159	71.32	76.26	66.84	28.81	/
DeepConvNet	C	0.8663 @ epoch 1266	**72.37**	**79.40**	**68.96**	**26.32**	/
CSP + SVM	E	58.16 +- 2.55	38.95	40.59	56.94	55.63	10 CSP components | rbf SVM with C 1 and gamma scale
AutoFreq + CSP + LDA	E	56.86 +- 1.56	47.85	45.32	69.40	50.40	1 - 28 Hz filter | 10 CSP components | LDA SVD solver with 0.0001 tol
CSP + RF	E	57.70 +- 1.98	49.01	46.46	66.67	49.35	10 CSP components | RF with max depth 10, 0.4 features, 10 min sample split, 250 estimators
CSP + LDA	E	55.25 +- 3.67	55.18	54.04	61.60	43.33	CSP 10 components | SVD LDA with 0.0001 tol
BiConvLSTM EEGNet	E	0.7431 @ epoch 191	64.92	58.66	92.16	33.59	40 LSTM filter, 0.7 LSTM dropout
ShallowConvNet	E	0.7292 @ epoch 138	65.97	55.39	93.22	35.36	/
BiLSTM EEGNet	E	0.7361 @ epoch 166	67.02	66.59	91.16	27.23	/
EEGNet	E	0.7674 @ epoch 782	72.46	**73.18**	92.35	**21.09**	/
DeepConvNet	E	0.7483 @ epoch 79	**73.51**	69.53	**95.96**	21.82	/