Accuracy	F1	Model	Subject	Fold
0,82	0,81	Default algorithm	50	0
0,86	0,86	Pre-trained CAE	50	0
0,85	0,85	Default algorithm	50	1
0,89	0,89	Pre-trained CAE	50	1
0,83	0,82	Default algorithm	50	2
0,86	0,86	Pre-trained CAE	50	2
0,84	0,84	Default algorithm	50	3
0,87	0,87	Pre-trained CAE	50	3
0,84	0,84	Default algorithm	50	4
0,87	0,87	Pre-trained CAE	50	4
0,86	0,86	Default algorithm	100	0
0,90	0,90	Pre-trained CAE	100	0
0,89	0,89	Default algorithm	100	1
0,91	0,91	Pre-trained CAE	100	1
0,86	0,86	Default algorithm	100	2
0,89	0,89	Pre-trained CAE	100	2
0,88	0,88	Default algorithm	100	3
0,90	0,90	Pre-trained CAE	100	3
0,84	0,84	Default algorithm	100	4
0,90	0,90	Pre-trained CAE	100	4
0,87	0,87	Default algorithm	200	0
0,91	0,91	Pre-trained CAE	200	0
0,91	0,91	Default algorithm	200	1
0,93	0,93	Pre-trained CAE	200	1
0,86	0,86	Default algorithm	200	2
0,84	0,85	Pre-trained CAE	200	2
0,90	0,90	Default algorithm	200	3
0,92	0,92	Pre-trained CAE	200	3
0,89	0,89	Default algorithm	200	4
0,90	0,90	Pre-trained CAE	200	4
0,90	0,90	Default algorithm	global	0
0,92	0,92	Pre-trained CAE	global	0
0,92	0,92	Default algorithm	global	1
0,94	0,94	Pre-trained CAE	global	1
0,91	0,91	Default algorithm	global	2
0,91	0,91	Pre-trained CAE	global	2
0,92	0,92	Default algorithm	global	3
0,94	0,94	Pre-trained CAE	global	3
0,90	0,90	Default algorithm	global	4
0,92	0,92	Pre-trained CAE	global	4

Supplementary Table S3 - Classification performance (Accuracy and F1-score) of models trained on HCP test dataset with different subsamples in a 5-fold cross-validation scheme for contrast classification.