Accuracy	F1	Model	Subject	Fold
0,98	0,98	Default algorithm	50	0
0,99	0,99	Pre-trained CAE	50	0
0,99	0,99	Default algorithm	50	1
1,00	1,00	Pre-trained CAE	50	1
0,97	0,97	Default algorithm	50	2
0,98	0,98	Pre-trained CAE	50	2
0,98	0,98	Default algorithm	50	3
1,00	1,00	Pre-trained CAE	50	3
0,97	0,97	Default algorithm	50	4
0,99	0,99	Pre-trained CAE	50	4
0,99	0,99	Default algorithm	100	0
1,00	1,00	Pre-trained CAE	100	0
0,99	0,99	Default algorithm	100	1
1,00	1,00	Pre-trained CAE	100	1
0,98	0,98	Default algorithm	100	2
0,99	0,99	Pre-trained CAE	100	2
0,99	0,99	Default algorithm	100	3
1,00	1,00	Pre-trained CAE	100	3
0,99	0,99	Default algorithm	100	4
0,99	0,99	Pre-trained CAE	100	4
1,00	1,00	Default algorithm	200	0
1,00	1,00	Pre-trained CAE	200	0
1,00	1,00	Default algorithm	200	1
1,00	1,00	Pre-trained CAE	200	1
0,99	0,98	Default algorithm	200	2
0,99	0,99	Pre-trained CAE	200	2
0,99	0,99	Default algorithm	200	3
1,00	1,00	Pre-trained CAE	200	3
0,99	0,99	Default algorithm	200	4
0,99	0,99	Pre-trained CAE	200	4
1,00	1,00	Default algorithm	global	0
1,00	1,00	Pre-trained CAE	global	0
1,00	1,00	Default algorithm	global	1
1,00	1,00	Pre-trained CAE	global	1
0,99	0,99	Default algorithm	global	2
0,99	0,99	Pre-trained CAE	global	2
1,00	1,00	Default algorithm	global	3
1,00	1,00	Pre-trained CAE	global	3
0,99	0,99	Default algorithm	global	4
0,99	0,99	Pre-trained CAE	global	4

Supplementary Table S5 - Classification performance (Accuracy and F1-score) of models trained on HCP test dataset with different subsamples in a 5-fold cross-validation scheme for one-contrast task classification.