

S3 Table. Comparison of pre-trained models against randomly initialised models.

Dataset	Random initialisation	Pre-trained model
	J	J
IBD	0.936 (0.014)	0.882 (0.021)
EW-T2D	0.853 (0.025)	0.780 (0.024)
C-T2D	0.758 (0.012)	0.774 (0.013)
Obesity	0.666 (0.027)	0.679 (0.024)
Cirrhosis	0.924 (0.005)	0.918 (0.007)
Colorectal	0.777 (0.069)	0.763 (0.068)
Hypertension	0.591 (0.041)	0.645 (0.047)