

**SupplementaryMaterial S7.**

Average cell subtype classification performance using different omics profiles in GSE140203.

Gene expression and DNA accessibility were denoted as 'gene' and 'acc', respectively.

# of omics	Metric	moSCminer	RF	SVM	LR	NB
Multi-omics	Accuracy	<b>0.983</b>	0.944	0.790	0.829	0.382
	F1-score	<b>0.983</b>	0.944	0.786	0.827	0.379
Single omics (gene)	Accuracy	<b>0.768</b>	0.640	0.759	0.753	0.179
	F1-score	<b>0.760</b>	0.604	0.754	0.749	0.246
Single omics (acc)	Accuracy	<b>0.950</b>	0.941	0.589	0.762	0.287
	F1-score	<b>0.951</b>	0.941	0.525	0.754	0.256