

	Training Set	Normalization	Training Batch Correction	Test Batch Correction	Coarse Runtime (s)	Fine Runtime (s)
CIBERSORT	Healthy	Quantile	Same platform (HGU133A)	Re-optimizes $\beta$ w.r.t. a ComBat-corrected admixture matrix  Re-normalized TPMs based on genes common to reference and admixture	133	131
CIBERSORTx	Healthy (immune subtypes), Malignant (tumor/immune/stroma)	Quantile (immune only)	One platform for immune (HGU133A), One dataset for tumor/immune/stroma		567	567
EPIC	Healthy	TPM			71	70
MCP-Counter	Healthy	fRMA		NA	70	66
quanTIseq	Healthy	TPM			253	254
xCell	Healthy	FPKM (RNA-seq), RMA (microarray)	Markers determined independently in each training dataset		70	74
Aginome-XMU	Healthy, Malignant	TPM,log, min-max scaling			80	116
Biogem	Healthy, Malignant	TPM			82	84
DA_505	Healthy, Malignant	Rank-based			92	90
mitten_TDC19	Healthy	TPM		NA	86	88