

Supplementary

Table S1 : Tabula Muris permuted datasets.

Tissue	Technology	Cells (filtered)	Closest cell-types	Permuted Genes
Heart	Smartseq2	4098	Smooth muscle cell Endothelial cell	2912
Kidney	Smartseq2	517	Fenestrated cell Endothelial cell	5728
Pancreas	Smartseq2	1204	Pancreatic PP cell Pancreatic A cell	7300
Trachea	Smartseq2	813	Leukocyte Epithelial cell	4156
Lung	Smartseq2	1198	Stromal cell Endothelial cell	1862
Bladder	Smartseq2	1287	Bladder cell Basal cell of urothelium	5460
Muscle	Smartseq2	1831	Skeletal muscle stem cell Skeletal muscle cell	2665
Tongue	Smartseq2	1394	Keratinocyte Basal cell of epidermis	3600
Liver	Smartseq2	646	Kupffer cell Endothelial cell hepatic sinusoid	5288
Mammary	Smartseq2	2255	Basal cell Luminal epithelial cell	2335
Marrow	Smartseq2	4442	Neutrophil Granulocyte	1359
Skin	Smartseq2	2218	Epidermal cell Basal cell of epidermis	4417
Mammary	10X	4295	T cell B cell	4295
Bladder	10X	2375	Bladder cell Basal cell of urothelium	6239

Muscle	10X	4224	T cell B cell	3260
Marrow	10X	3285	Hematopoietic stem cell B cell	2243
Kidney	10X	2447	Macrophage Fenestrated cell	3630
Lung	10X	4247	Stromal cell Endothelial cell	1936

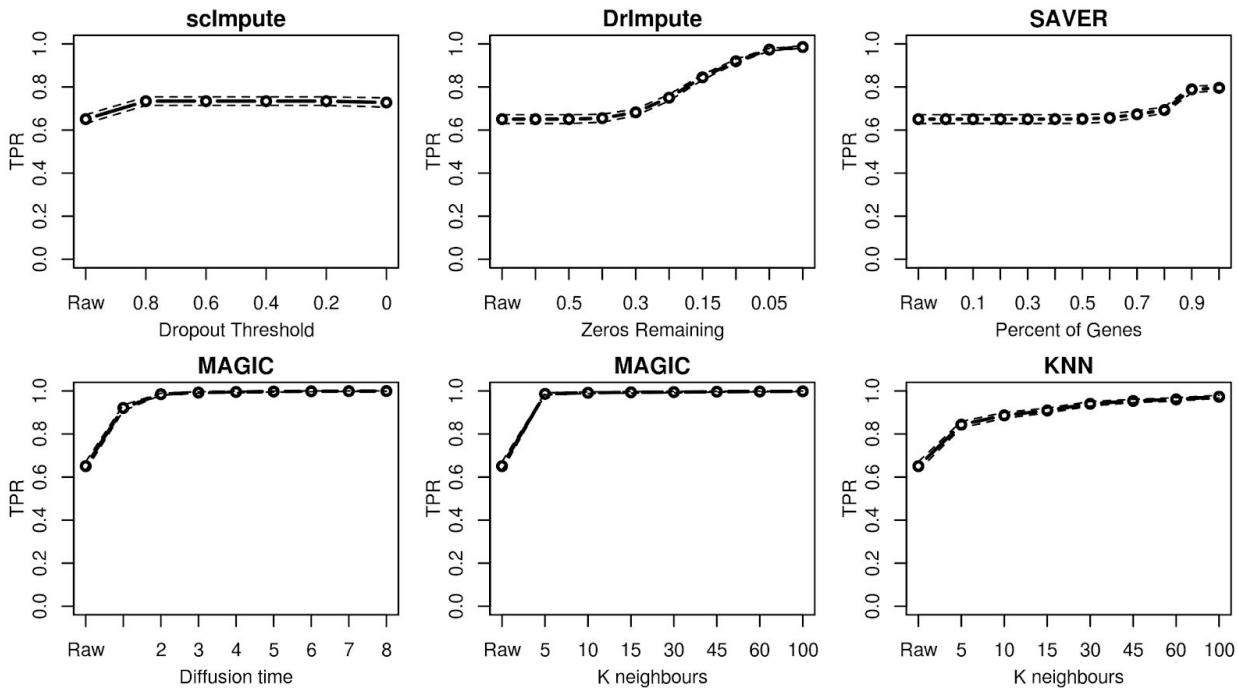


Figure S1: Sensitivity single-cell imputation methods. (B) True positive rate, aka sensitivity, to gene-gene correlations as imputation parameters are changed. Dashed lines are 95% CIs based on 10 replicates.