

Title	Algorithm	Cell origin	# Cells	Data Sources	Reference
68k PBMCs	DCA	Blood	68,579	10X Single Cell Gene Expression Datasets	
	SAVER-X				
	LATE, scVAE, scDeepCluster, scCapsNet, scDGN				
Human pluripotent	DCA	hESCs	1,876	GSE102176	[122]
CITE-seq	SAVER-X	Cord blood mononuclear cells	8,005	GSE100866	[123]
Midbrain and Dopaminergic Neuron Development	SAVER-X	Brain/ embryo ventral midbrain cells	1,977	GSE76381	[124]
HCA	SAVER-X	Immune cell, Human Cell Atlas	500,000	HCA data portal	
Breast tumor	SAVER-X	Immune cell in tumor micro-environment	45,000	GSE114725	[125]
293T cells	DeepImpute, iMAP	Embryonic kidney	13,480	10X Single Cell Gene Expression Datasets	
Jurkat	DeepImpute, iMAP	Blood/ lymphocyte	3,200	10X Single Cell Gene Expression Datasets	
ESC, Time-course	scGAN	ESC	350, 758	GSE75748	[126]
Baron-Hum-1	scGMAI, VASC	Pancreatic islets	1,937	GSM2230757	[127]
Baron-Hum-2	scGMAI, VASC	Pancreatic islets	1,724	GSM2230758	[127]
Camp	scGMAI, VASC	Liver cells	303	GSE96981	[128]
CEL-seq2	PERMUDA, DESC	Pancreas/Islets of Langerhans		GSE85241	[129]
Darmanis	scGMAI, scGAN, VASC	Brain/cortex	466	GSE67835	[130]
Tirosh-brain	Dhaka, scvis	Oligodendroglioma	>4800	GSE70630	[131]
Patel	Dhaka	Primary glioblastoma cells	875	GSE57872	[132]
Li	scGMAI, VASC	Blood	561	GSE146974	[61]
Tirosh-skin	scvis	melanoma	4645	GSE72056	[67]
xenograft 3, and 4	Dhaka	Breast tumor	~250	EGAS00001002170	[133]
Petropoulos	VASC/netAE	Human embryos	1,529	E-MTAB-3929	
Pollen	scGMAI, VASC		348	SRP041736	[134]
Xin	scGMAI, VASC	Pancreatic cells (α -, β -, δ -)	1,600	GSE81608	[135]
Yan	scGMAI, VASC	embryonic stem cells	124	GSE36552	[136]
PBMC3k	VASC, scVI	Blood	2,700	SRP073767	[96]
CyTOF, Dengue	SAUCIE	Dengue infection	11 M, ~42 antibodies	Cytobank, 82023	[14]
CyTOF, ccRCC	SAUCIE	Immunue profile of 73 ccRCC patients	3.5 M, ~40 antibodies	Cytobank: 875	[137]
CyTOF, breast	SAUCIE	3 patients		Flow Repository: FR-FCM-ZYJP	[125]
Chung, BC	DigitalDLSorter	Breast tumor	515	GSE75688	[88]
Li, CRC	DigitalDLSorter	Colorectal cancer	2,591	GSE81861	[89]
Pancreatic datasets	scDGN	Pancreas	14693	SeuratData	
Kang, PBMC	scGen	PBMC stimulated by INF- β	~15,000	GSE96583	[116]