

**S7 Table. Human PBMC 3K: Variance of TDR across all cell types for scaDA and published methods at different levels of top percentages**

Top Peaks	scaDA	NegBin	edgeR	Signac	scATAC-pro	MAST
20%	0.02	0.07	0.06	0.07	0.07	0.08
40%	0.02	0.04	0.03	0.03	0.03	0.03
60%	0.01	0.02	0.02	0.01	0.01	0.01
80%	0.01	0.02	0.01	0.01	0.01	0.01
100%	0.01	0.01	0.01	0.01	0.01	0.01