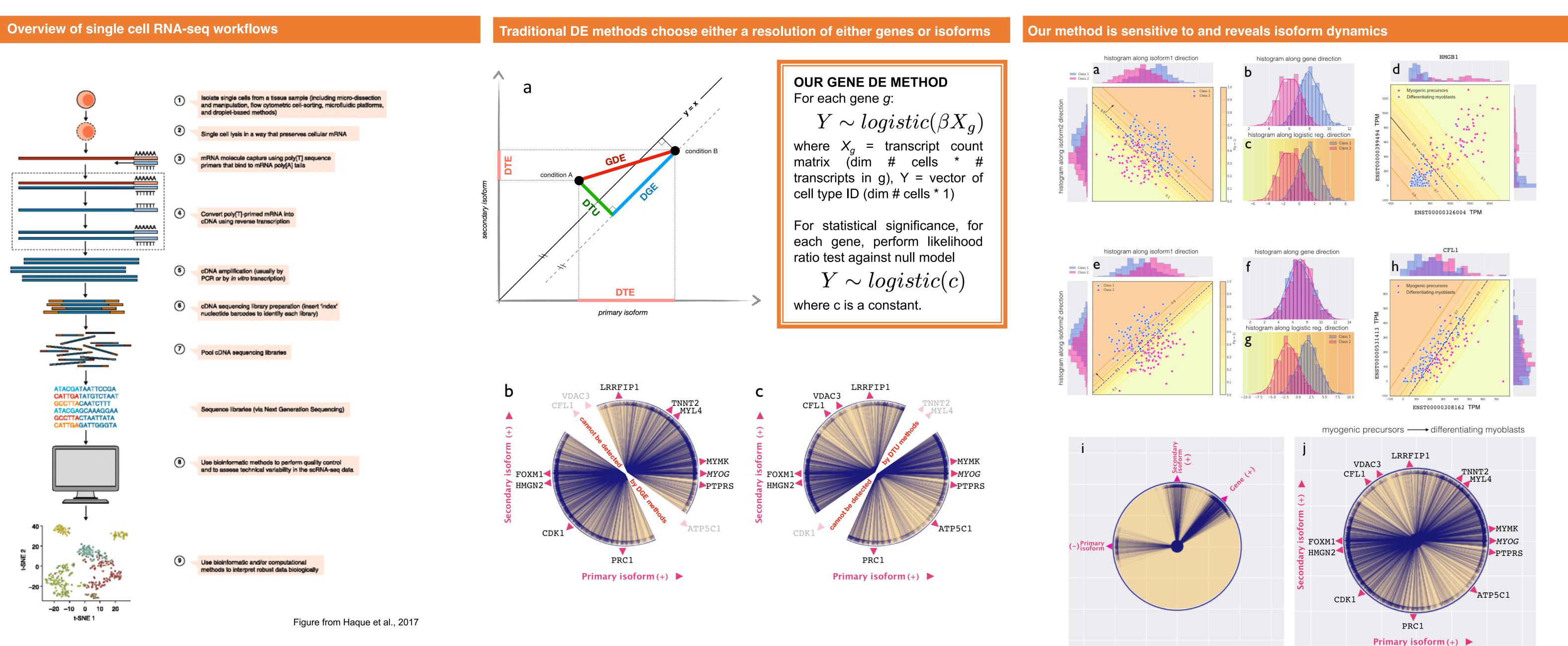
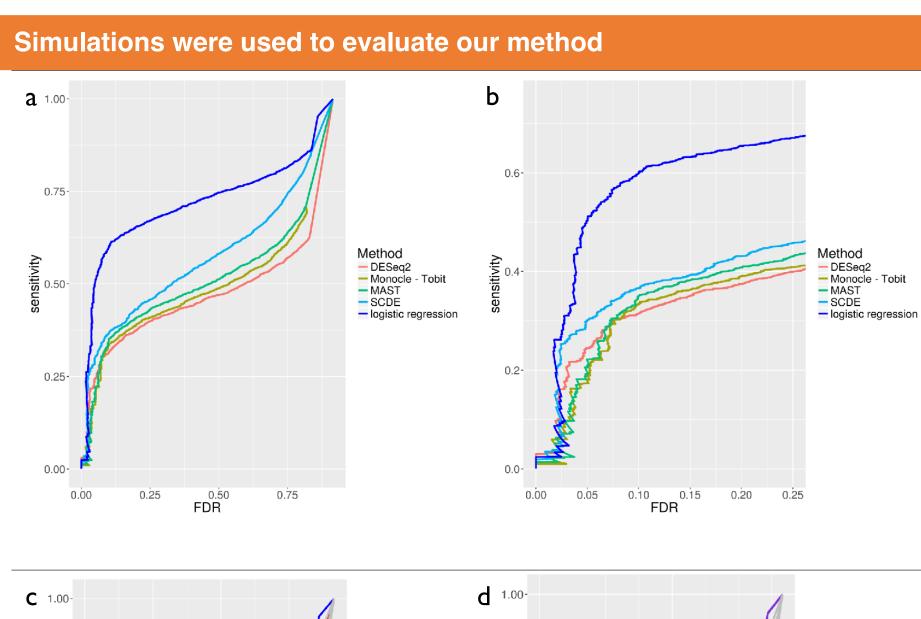
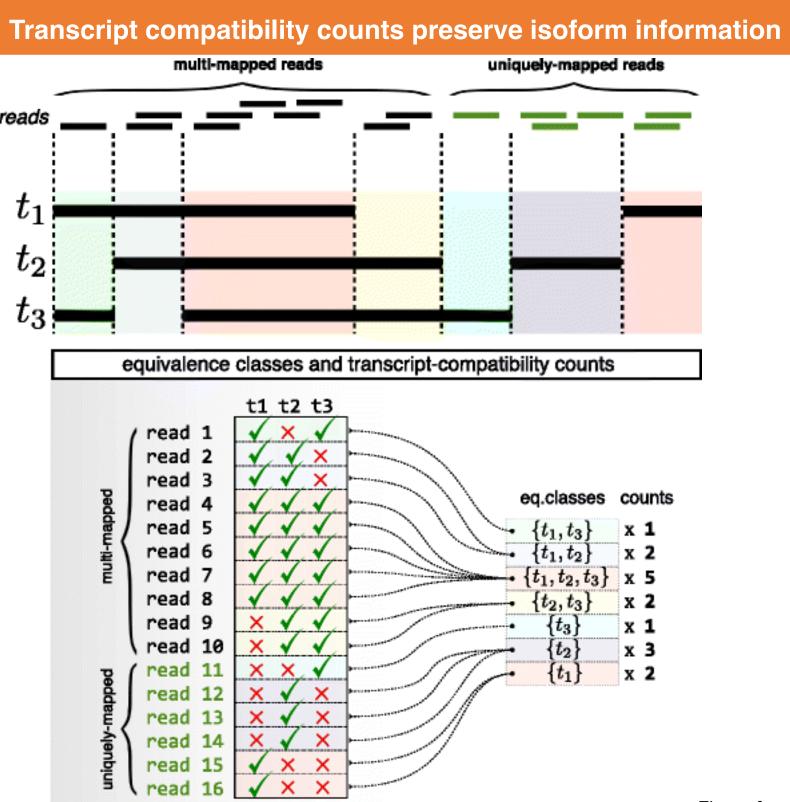
Identification of transcriptional signatures for cell types from single-cell RNA-Seq Lynn Yi*^{1,2}, Vasilis Ntranos^{*3,4}, Páll Melsted⁵, Lior Pachter²

*Authors contributed equally, 1. UCLA-Caltech Medical Science Training Program 2. California Institute of Technology 3. UC Berkeley 4. Stanford University 5. University of Iceland



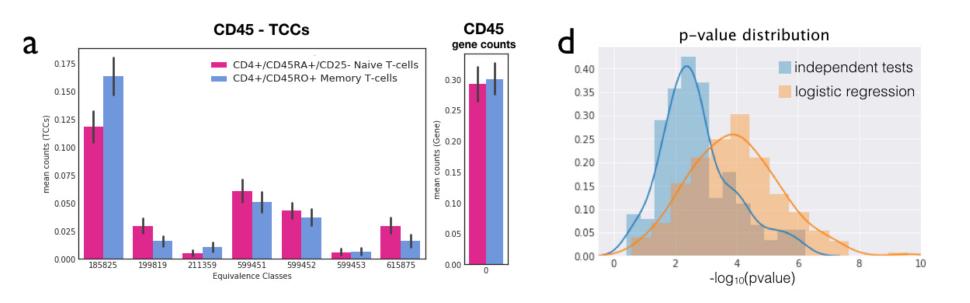




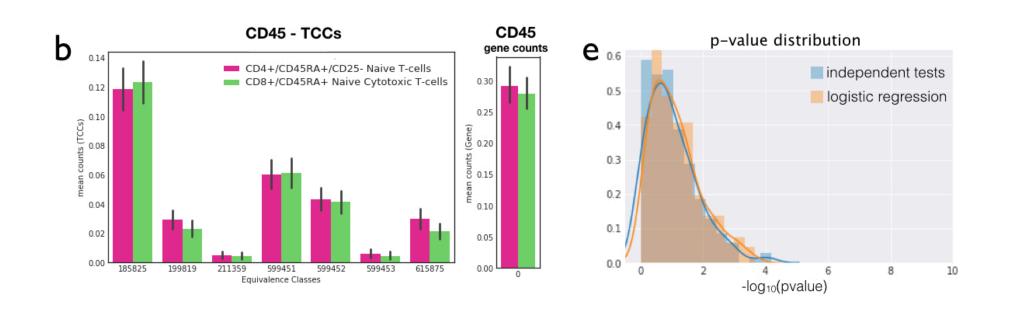


Marker of memory v. naïve T cells found using purified cell types

Naive T-cells (CD4+/cD45RA+/CD25-) vs Memory T-cells (CD4+/cD45RO+)



Naive T-cells (CD4+/cD45RA+/CD25-) vs Naive Cytotoxic T-cells (CD8+/cD45RA+)



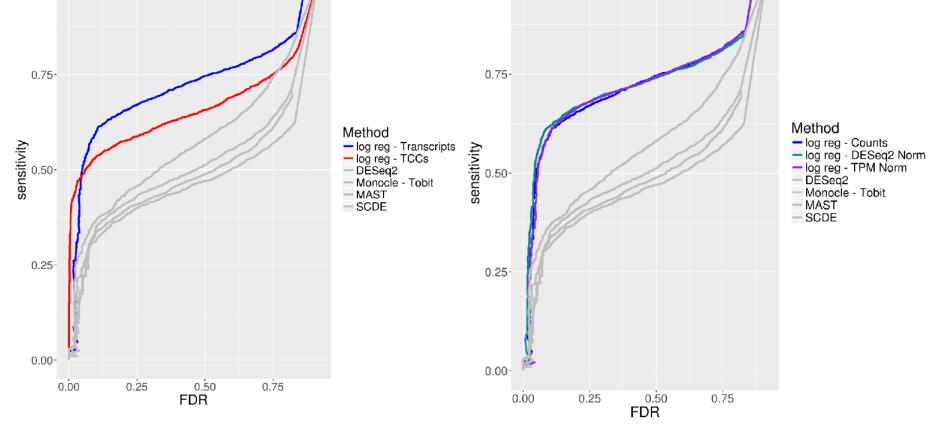
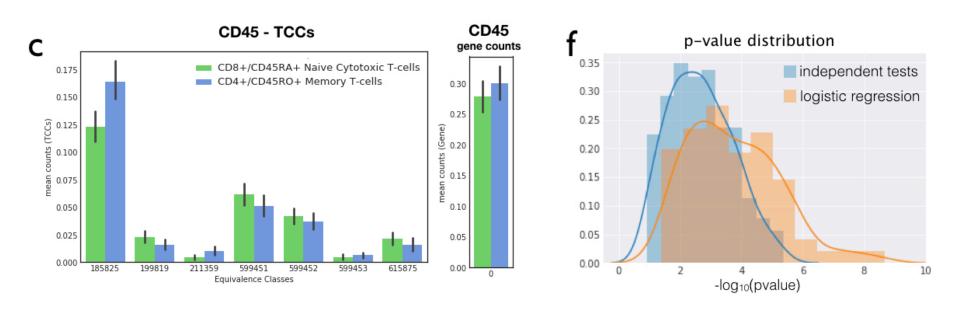


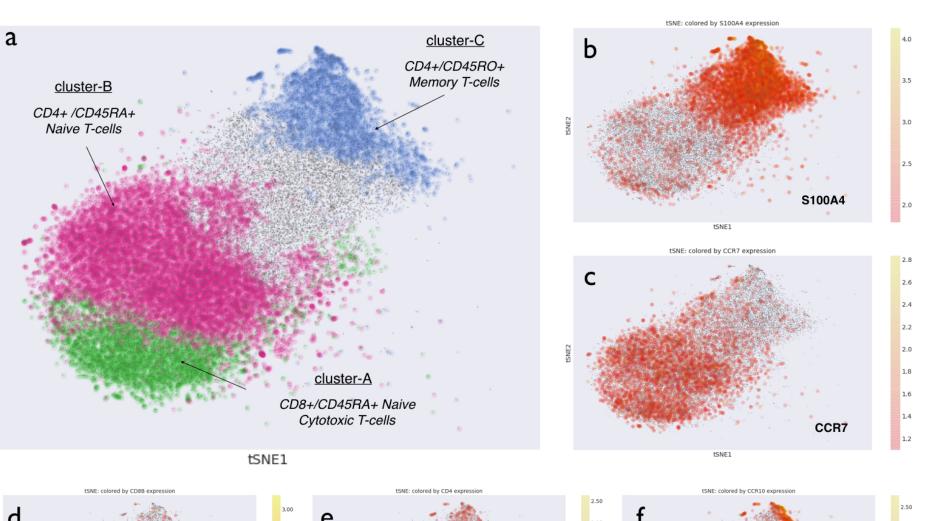
Figure from Ntranos et al., 2017

Naive Cytotoxic T-cells (CD8+/cD45RA+) vs Memory T-cells (CD4+/cD45RO+)



kallisto pseudobam can be used to visualize and interpret TCC results Human (hg38) 198,740 kb 198,750 kb

De novo analysis of 10x PBMC data recapitulates discovery in purified cell types

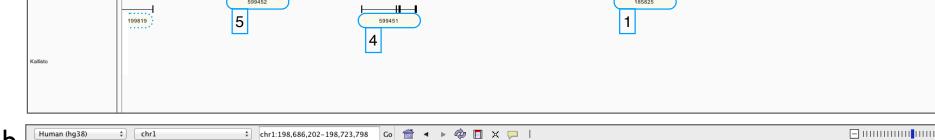


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3. Bray et al., Near-optimal probabilistic RNA-seq quantification, *Nature* Biotechnology, 2017.

4. Ntranos et al., Fast and accurate single-cell RNA-seq analysis by clustering of transcript-compatibility counts, Genome Biology, 2017. 5. Zheng et al., Massively parallel digital transcriptional profiling of single cells, Nature communications, 2017.

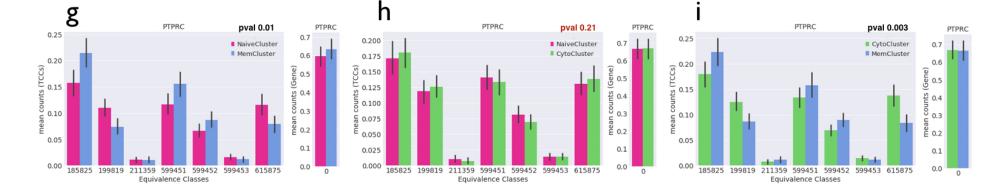


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Acknowledgements







