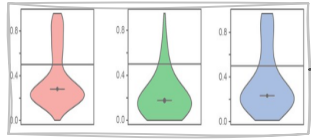
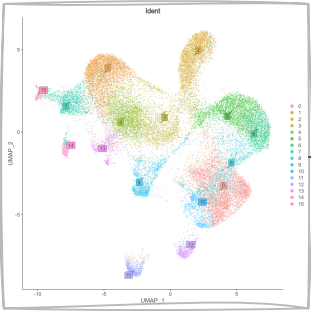


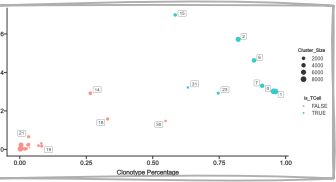
Single-cell RNA sequencing



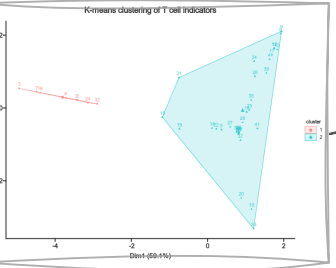
QC



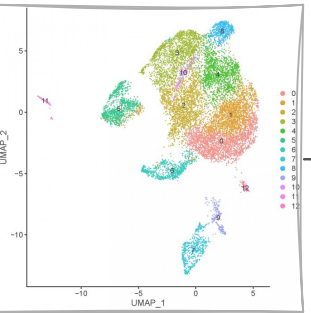
Clustering



Selecting T Cells



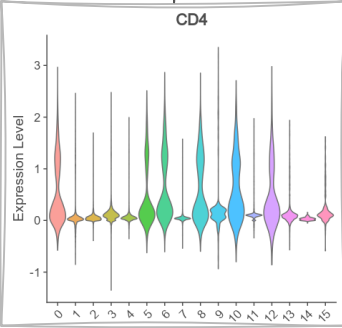
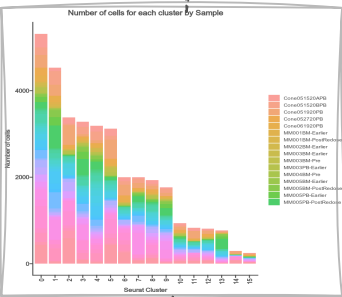
Clustering T Cells



Markers, Top Expressing Genes and Enrichment Analysis

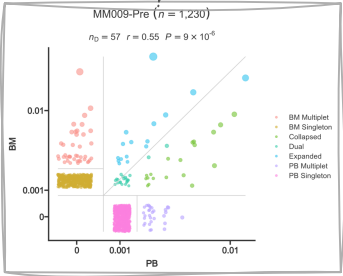
Gene	log2FC	negLog10P	adjP	negLog10Q	negLog10Q	negLog10Q	negLog10Q	negLog10Q	negLog10Q
CD4	1.234	4.567	0.001	1.234	4.567	0.001	1.234	4.567	0.001
CD8A	1.234	4.567	0.001	1.234	4.567	0.001	1.234	4.567	0.001
CD8B	1.234	4.567	0.001	1.234	4.567	0.001	1.234	4.567	0.001
CD8C	1.234	4.567	0.001	1.234	4.567	0.001	1.234	4.567	0.001
CD8D	1.234	4.567	0.001	1.234	4.567	0.001	1.234	4.567	0.001
CD8E	1.234	4.567	0.001	1.234	4.567	0.001	1.234	4.567	0.001
CD8F	1.234	4.567	0.001	1.234	4.567	0.001	1.234	4.567	0.001
CD8G	1.234	4.567	0.001	1.234	4.567	0.001	1.234	4.567	0.001
CD8H	1.234	4.567	0.001	1.234	4.567	0.001	1.234	4.567	0.001
CD8I	1.234	4.567	0.001	1.234	4.567	0.001	1.234	4.567	0.001

Statistics



Single-cell TCR profiling

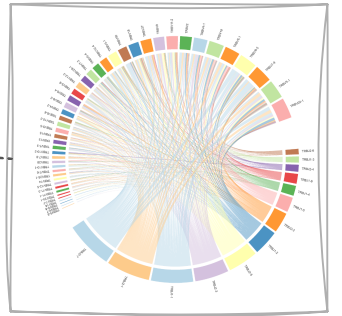
Clone Residency



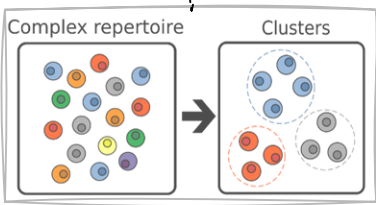
Immunarch

- TCR Clone Statistics
- Repertoire overlap
- Gene Usage
- Diversity Estimation
- Clonotype Tracking
- Motif analysis

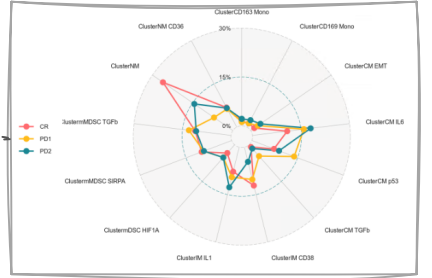
VJ Usage



TCR Clustering

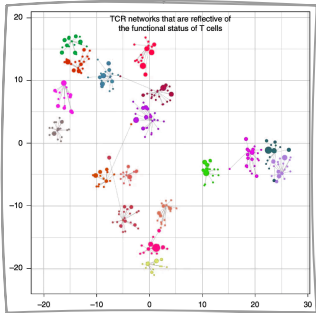


Radar Plots



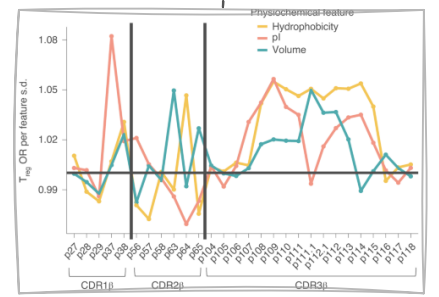
Cell Type Annotation

TESSA

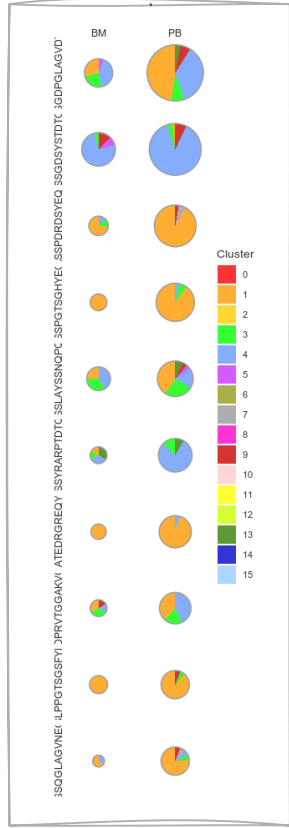


Integration

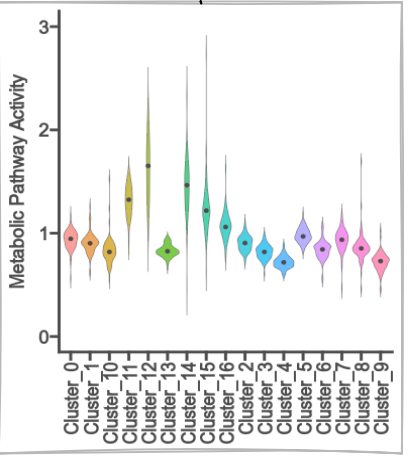
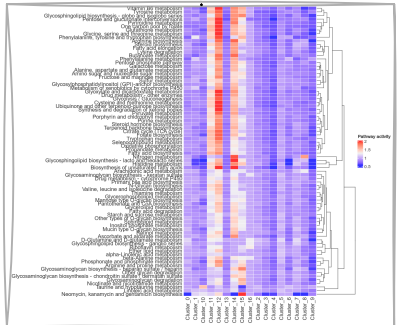
CDR3 AA Physicochemical Analysis



Cell Distribution (e.g. cells in clones)



Metabolic Landscape Analysis



DEG/GSEA (for cell types/clones/clone clusters/clinic groups)

