

Figure S1

Representative Live/CD45 gating

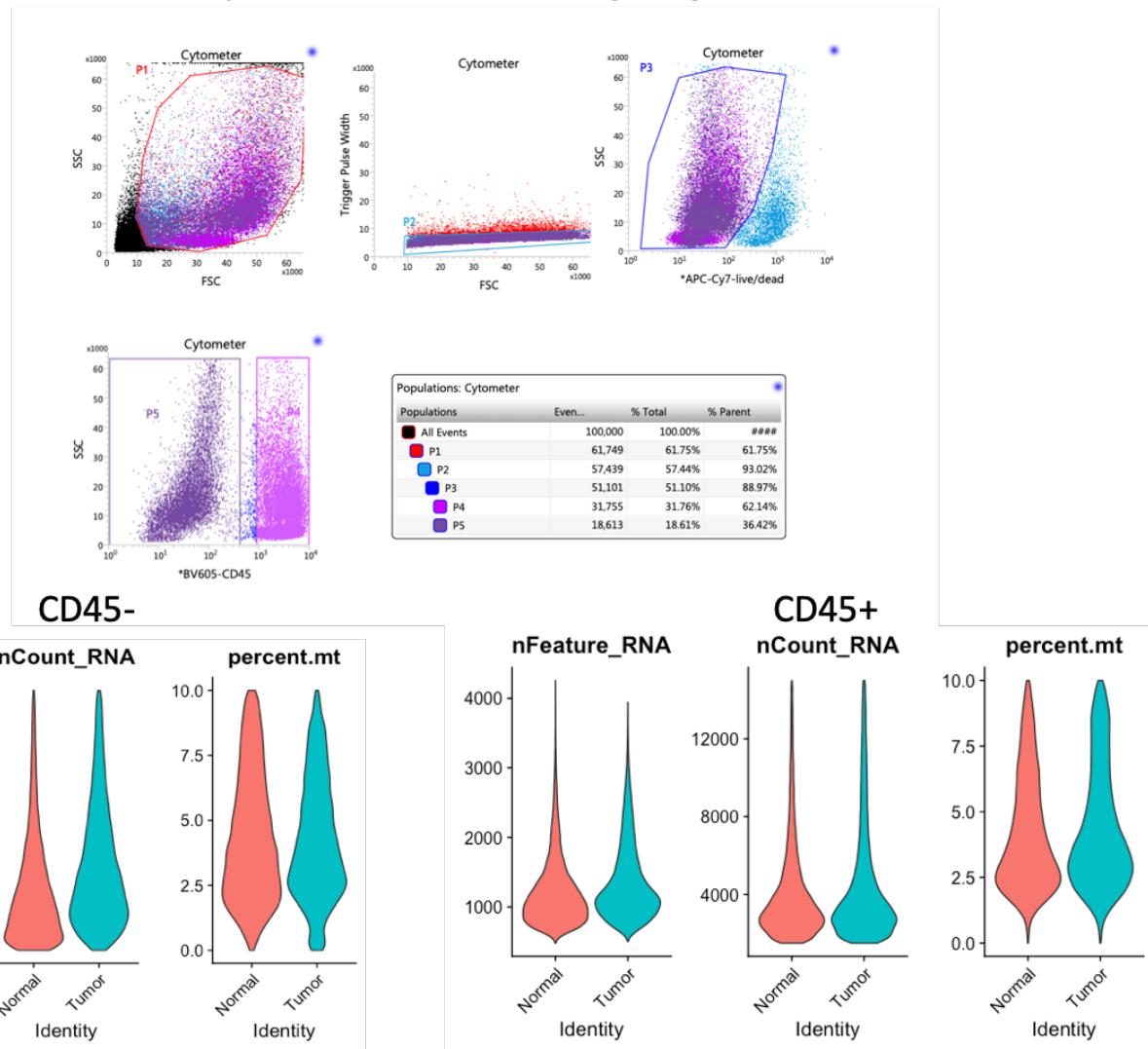
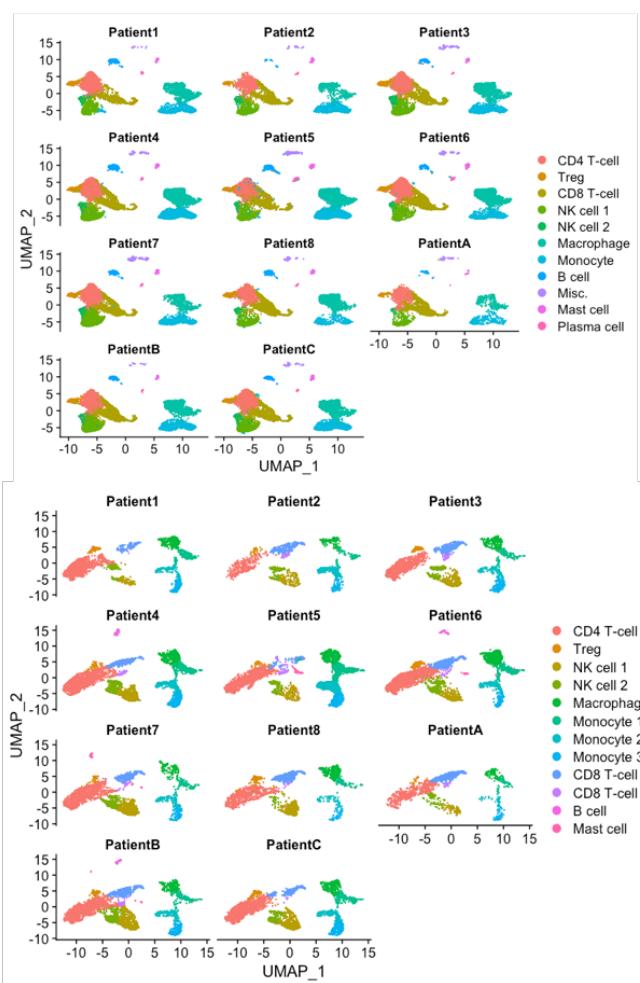


Figure S2

Gene Expression
VIPER

CD45+



CD45-

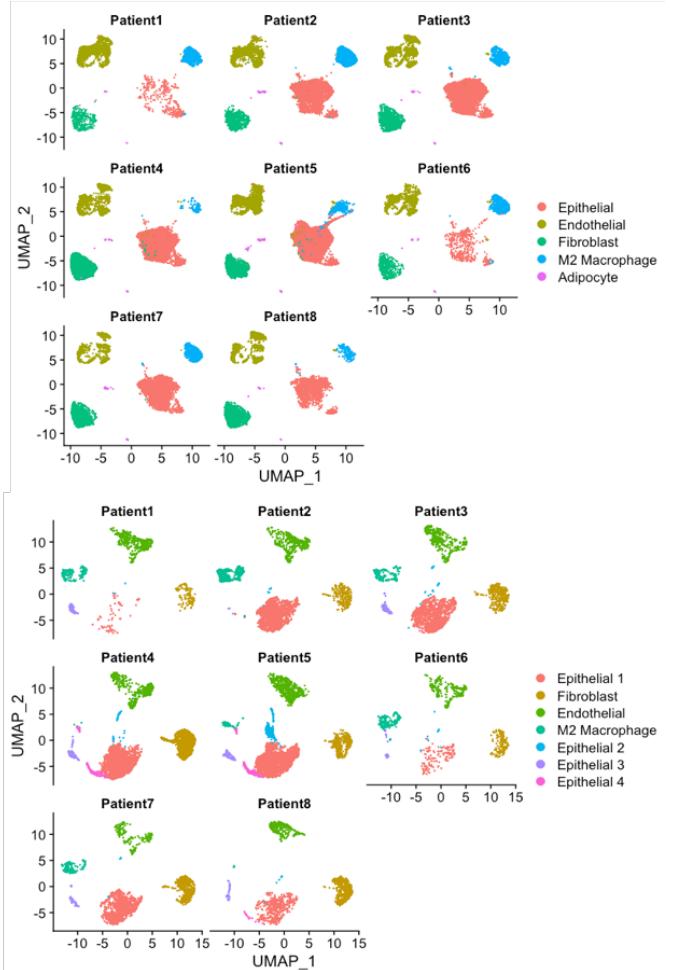


Figure S3

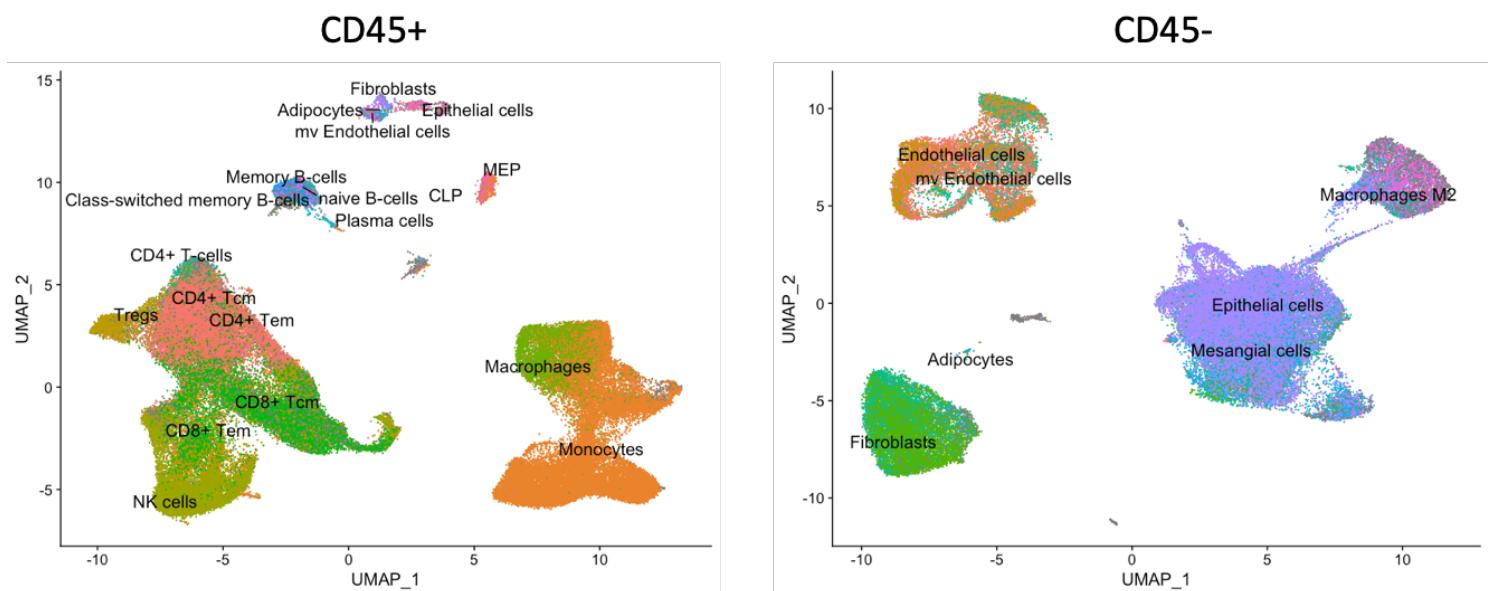
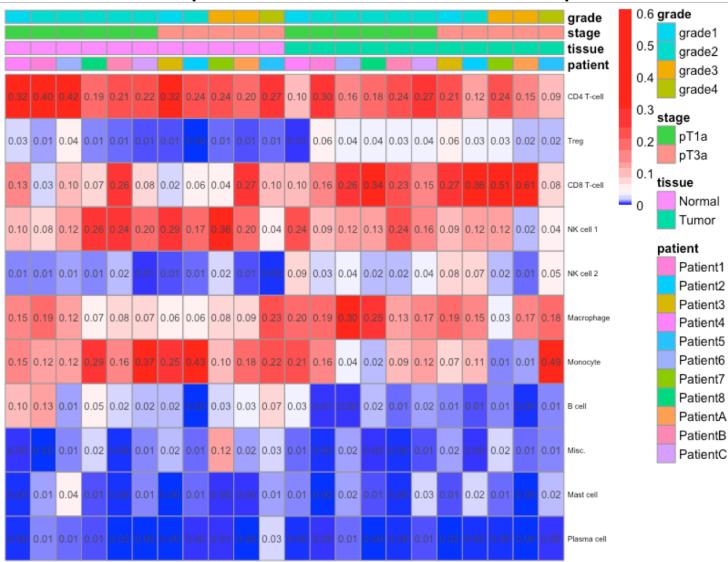
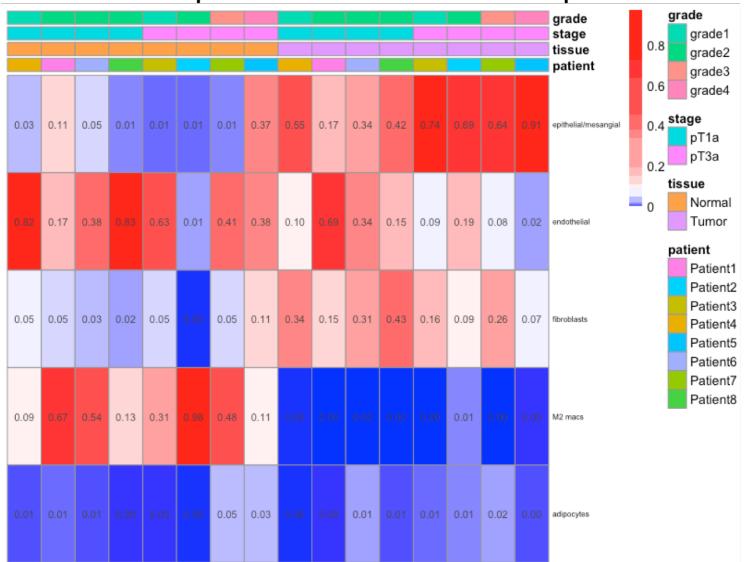


Figure S4

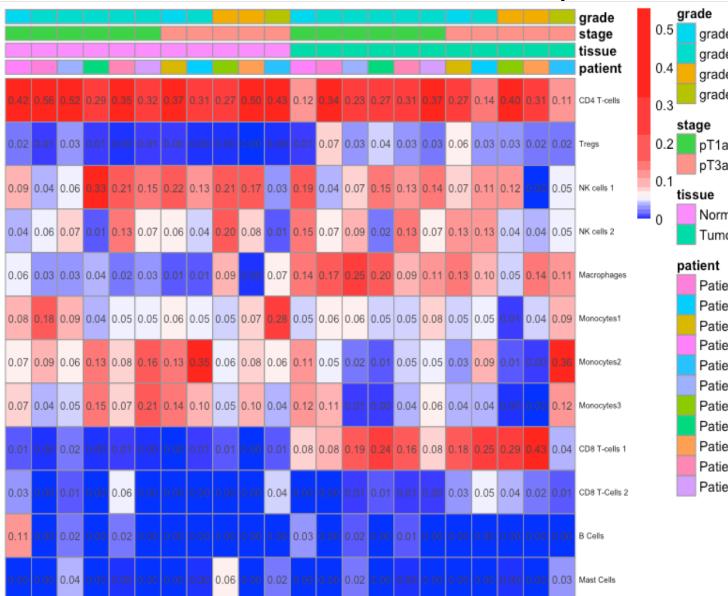
Gene Exp: CD45+ Cluster Frequencies



Gene Exp: CD45- Cluster Frequencies



VIPER: CD45+ Cluster Frequencies



VIPER: CD45- Cluster Frequencies

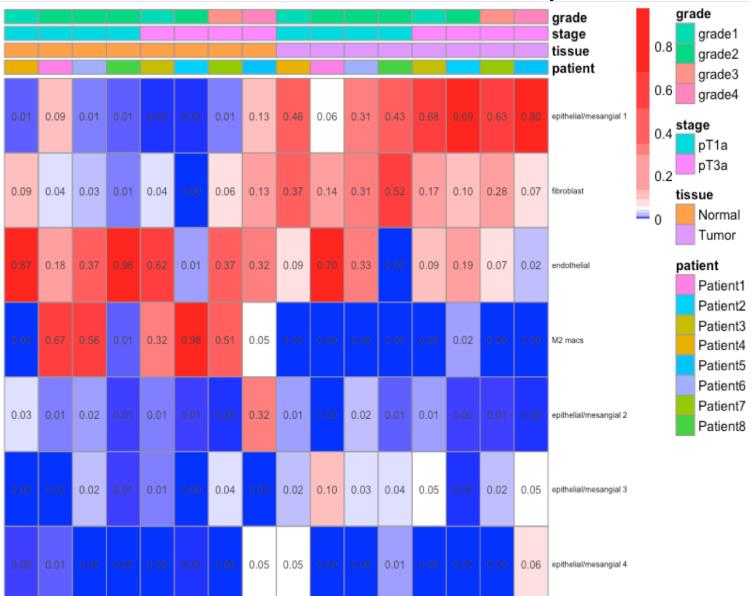


Figure S5

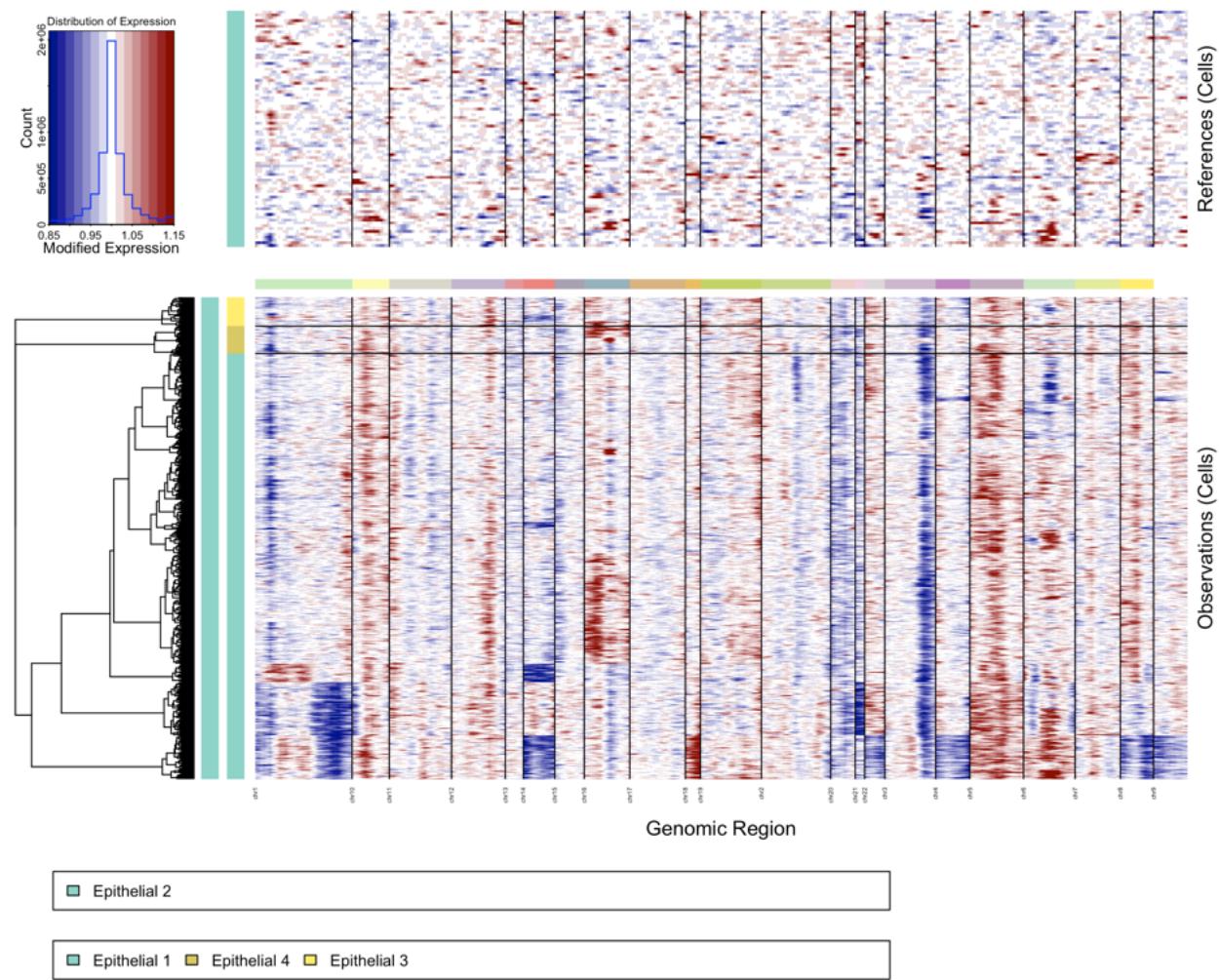


Figure S6

CD45-

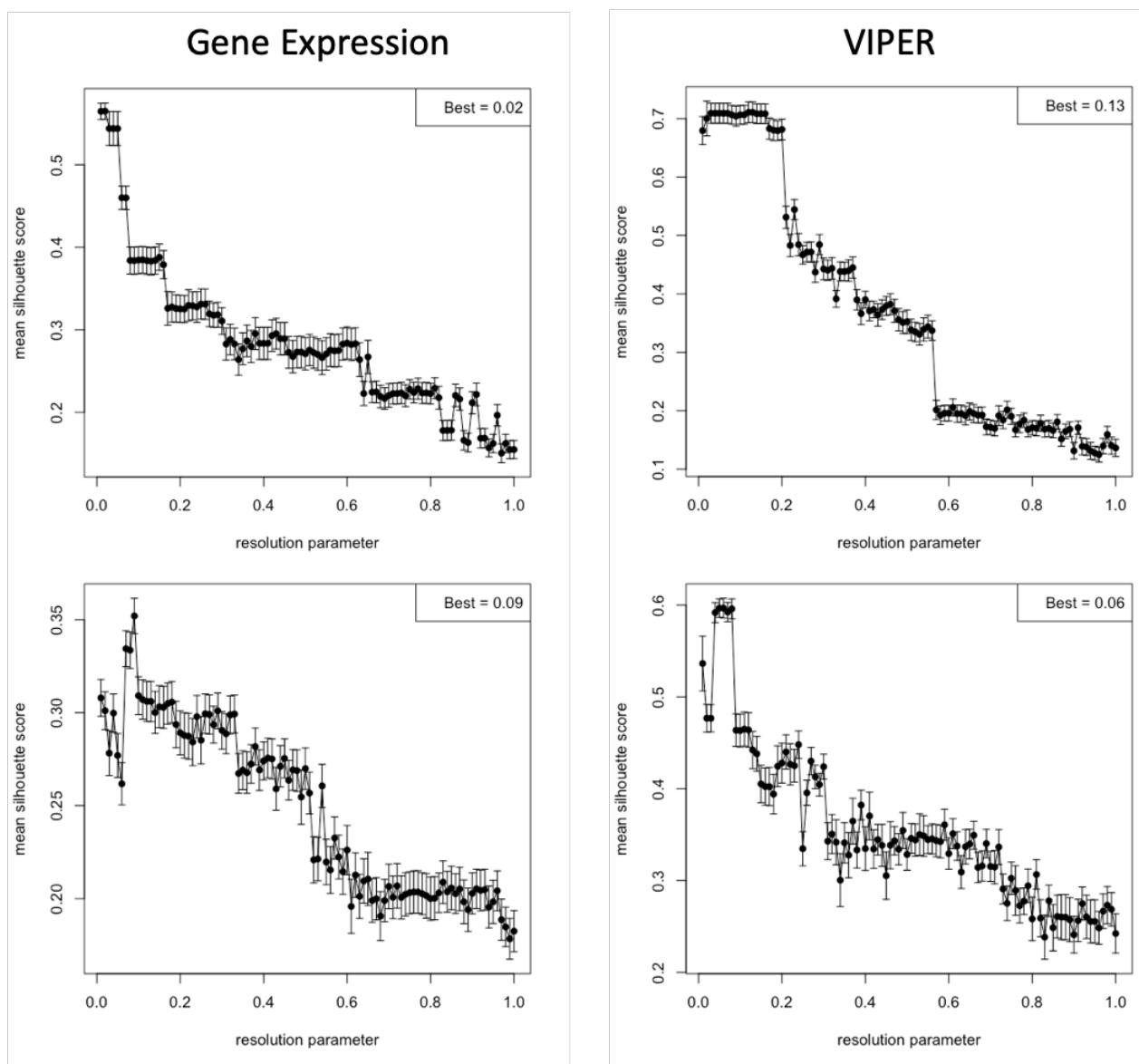
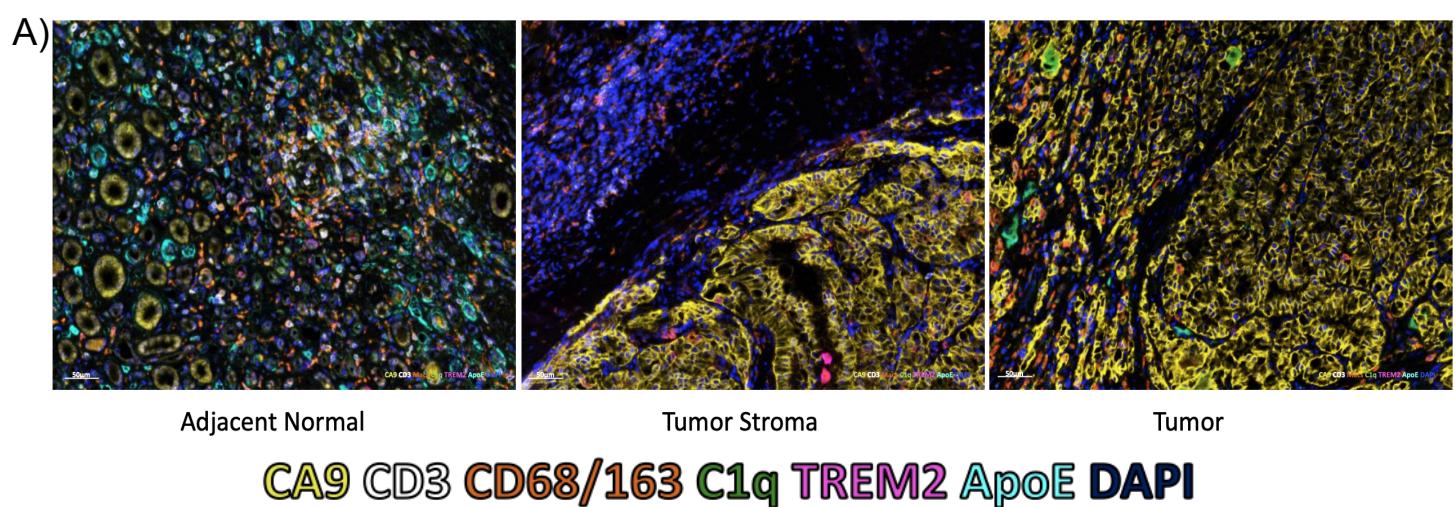


Figure S7



B) Recurrent tumor Non-recurrent tumor

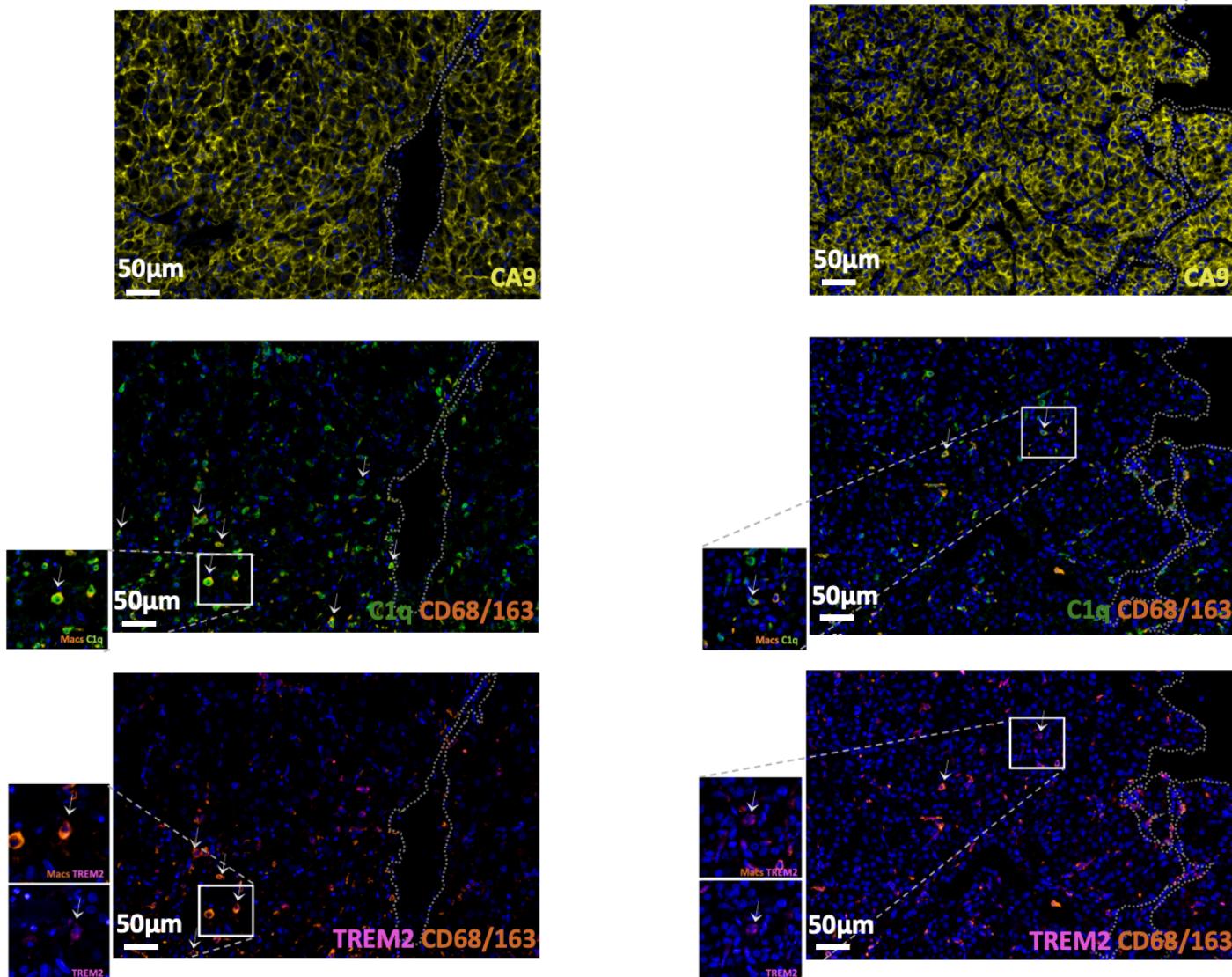


Figure S8

A)

Tumor :: T cell Interactions

Ligand	Receptor	ligand_cluster	receptor_cluster
CCL5	ACKR4	CD8 T-cell 1	Epithelial 3
CCL5	SDC4	CD8 T-cell 1	Epithelial 1
CD70	CD27	Epithelial 1	CD8 T-cell 1
HSP90AA1	EGFR	CD8 T-cell 2	Epithelial 1
HSP90AA1	FGFR3	CD8 T-cell 2	Epithelial 4

Macrophage :: T cell Interactions

Ligand	Receptor	ligand_cluster	receptor_cluster
CCL5	CCR5	CD8 T-cell 1	Macrophage
CXCL3	CXCR1	Macrophage	CD8 T-cell 2
ICAM1	IL2RG	Macrophage	CD8 T-cell 1
LTB	CD40	Treg	Macrophage
LTB	LTBR	Treg	Macrophage

Macrophage :: Tumor Interactions

Ligand	Receptor	ligand_cluster	receptor_cluster
APOE	LRP5	Macrophage	Epithelial 4
APOE	SORL1	Macrophage	Epithelial 1
APOE	VLDLR	Macrophage	Epithelial 1
CYR61	ITGB5	Epithelial 1	Macrophage
ICAM1	EGFR	Macrophage	Epithelial 1
MDK	LRP1	Epithelial 1	Macrophage
MDK	SDC3	Epithelial 1	Macrophage
MDK	TSPAN1	Epithelial 1	Macrophage
RARRES2	CMKLR1	Epithelial 1	Macrophage
SERPINA1	LRP1	Epithelial 3	Macrophage
TNF	TNFRSF21	Macrophage	Epithelial 4
VEGFA	EPHB2	Epithelial 1	Macrophage
VEGFA	NRP2	Epithelial 1	Macrophage

