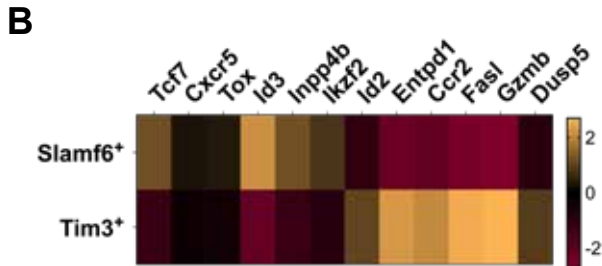
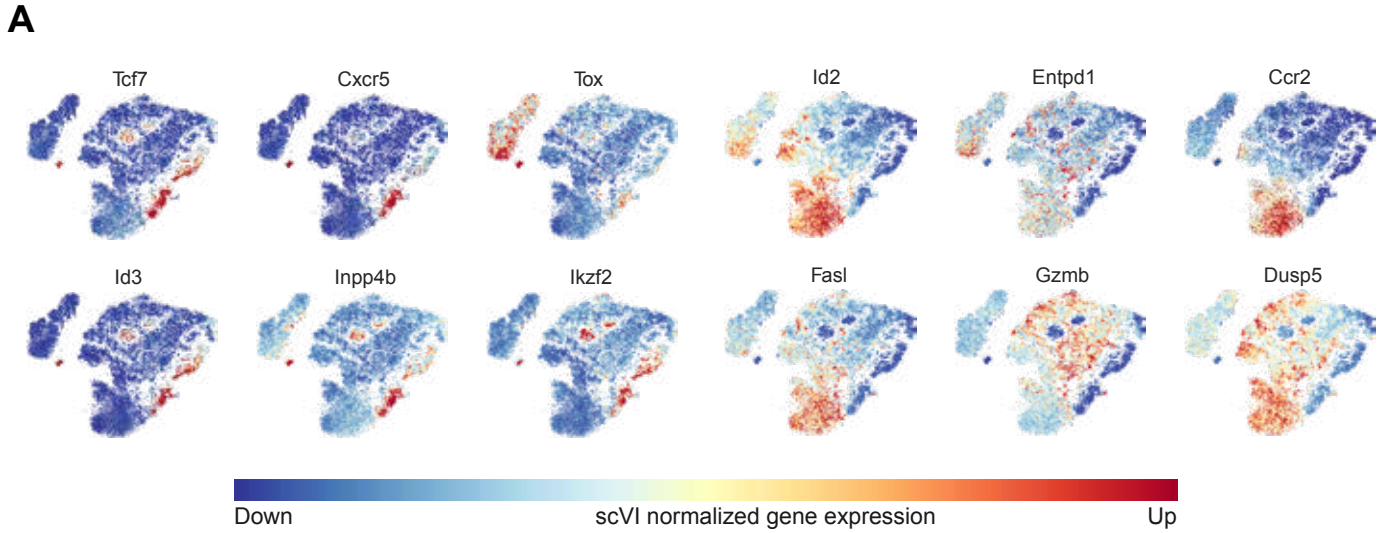


Supplementary Figure 1



**LCMV-MN induced Slamf6<sup>+</sup>/Tim3<sup>-</sup> CD8 T cells transcriptionally resemble T<sub>pex</sub>.** (A) Relative scVI normalized gene expression for d7 T<sub>pex</sub> defining genes overlaid onto tSNE plots defined in figure 7D analysis. A red (Up) value indicates high expression whereas a blue (Down) value indicates low to no expression of a gene in the cell. (B) heatmap depicting genes shown in (B) and their relative expression in d30 pi LCMV-MN Slamf6<sup>+</sup> vs Tim3<sup>+</sup> cells.

**Supplementary Table-1: LCMV strains used for amino acid comparison**

Protein Segment	Strain	GenBank ID	Protein ID
Segment S (glycoprotein)			
	LCMV-CI13	DQ361065.2	<a href="#">ABC96001.2</a>
	LCMV-Arm	AY847350.1	<a href="#">AAX49341.1</a>
	LCMV-DOCILE	EU480452.1	<a href="#">ACA61301.1</a>
	LCMV-WE	AJ297484.1	<a href="#">CAC01231.1</a>
	LCMV-Traub	DQ868487.1	<a href="#">ABI96826.1</a>
Segment L (polymerase)			
	LCMV-CI13	DQ361066.1	<a href="#">ABC96004.1</a>
	LCMV-Arm	AY847351.1	<a href="#">AAX49344.1</a>
	LCMV-DOCILE	EU480453.1	<a href="#">ACA61304.1</a>
	LCMV-WE	FJ607025.1	<a href="#">CV72589.1</a>
	LCMV-Traub	DQ868488.1	<a href="#">ABI96829.1</a>
Nucleoprotein			
	LCMV-CI13	DQ361065.2	<a href="#">ABC96002.1</a>
	LCMV-Arm	AY847350.1	<a href="#">AAX49342.1</a>
	LCMV-DOCILE	EU480452.1	<a href="#">ACA61302.1</a>
	LCMV-WE	AJ297484.1	<a href="#">ACV72571.1</a>
	LCMV-Traub	DQ868487.1	<a href="#">ABI96827.1</a>
Z-protein			
	LCMV-CI13	DQ361066.1	<a href="#">ABC96003.1</a>
	LCMV-Arm	AY847351.1	<a href="#">AAX49343.1</a>
	LCMV-DOCILE	EU480453.1	<a href="#">ACA61303.1</a>
	LCMV-WE	FJ607025.1	<a href="#">ACV72590.1</a>
	LCMV-Traub	DQ868488.1	<a href="#">ABI96828.1</a>

**Supplementary Table-1:** List of LCMV strains for which complete is available in the NCBI database. The amino acid sequence information was used to compare with that of LCMV-MN to establish sequence homology in figure 1D. The relevant Genbank ID and protein ID are shown.