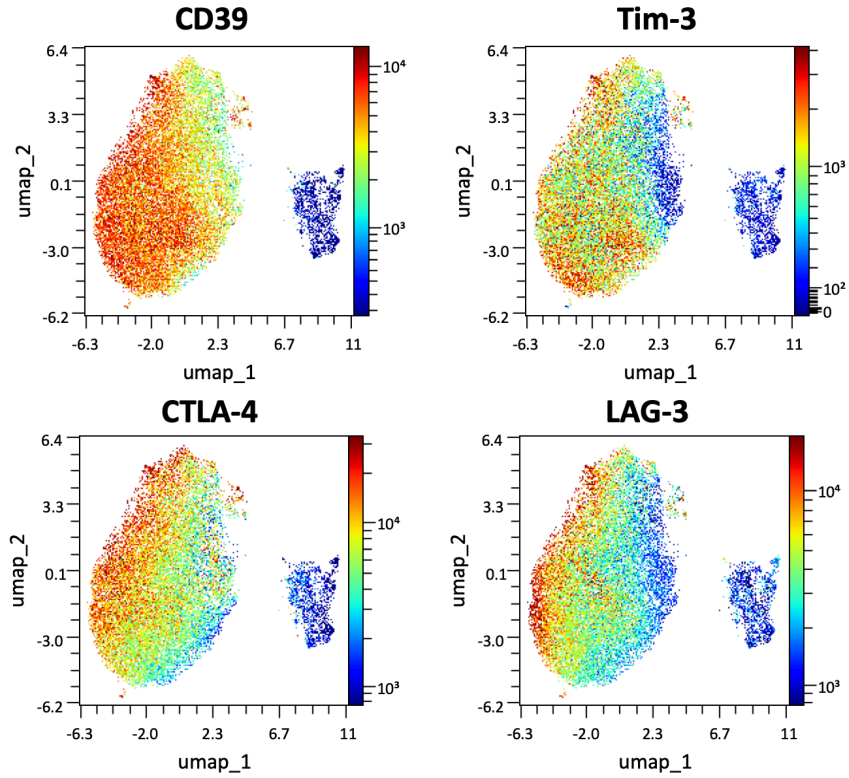


### CD8 T cells



**Supplementary Figure S3. CD8 T cells from patient 5 display an exhausted phenotype.** Uniform Manifold Approximation and Projection (UMAP) representations of CD8 T cells from patient 5 demonstrate high expression of CD39, Tim-3, CTLA-4, and LAG-3, consistent with exhaustion.