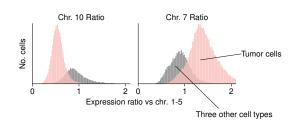
## (A) Glioblastoma cell type assignment Cell types Myeloid cells Oligodendrocytes T cells Tumor cells TYROBP - CD14 - PLP1 - MAG - TRBC2 - TRBC1 - Myel. Oligo. T cells Tumor

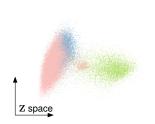
 $frac[y \neq 0]$ 

## (B) Aneuploidie

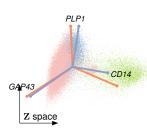


## (C) Multi-condition biplots

LEMUR's latent space (Z) colored by cell type



Marker genes projected on  ${\bf Z}$ 



Gene with large expression change projected on  $\ensuremath{\mathbf{Z}}$ 

