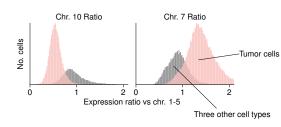
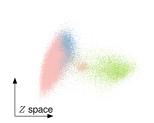
## (A) Glioblastoma cell type assignment Cell types Myeloid cells Oligodendrocytes T cells Tumor cells TYROBPCD14PLP1MAGTRBC2TRBC1GAP43Myel. Oligo. T cells Tumor frac[y ≠ 0] 0 0 0 0 1 expression 2



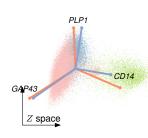


## (C) Multi-condition biplots

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



Marker genes projected on  ${\cal Z}$ 



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

