antigen processing and presentation of exogenous peptide antigen via MHC class II spatial\_domain age **CTSD** B<sub>2</sub>M **CD74 CTSF LGMN CTSL** DNM<sub>2</sub> spatial\_domain mean **PIKFYVE** norm logcounts ML HLA-DRB1 10 CA3&4 HLA-DPB1 SGZ **GCL** 5 HLA-DRA HLA-DPA1 age TRAF6 Infant Teen **UNC93B1** Adult FCER1G Elderly HLA-DQB1 **HLA-DMB** HLA-DMA **CTSS** IFI30 HLA-DQA1 HLA-DRB5