antigen processing and presentation of exogenous peptide antigen via MHC class II spatial\_domain age CTSL **CTSF UNC93B1** CTSD **HLA-DMB** HLA-DMA B<sub>2</sub>M spatial\_domain mean IFI30 log norm counts ML HLA-DRB5 (centered & scaled) CA3&4 FCER1G SGZ **GCL CTSS** 0 HLA-DQB1 age HLA-DPB1 Infant Teen HLA-DRB1 Adult HLA-DPA1 Elderly HLA-DRA **CD74** HLA-DQA1 **LGMN PIKFYVE** DNM2 TRAF6