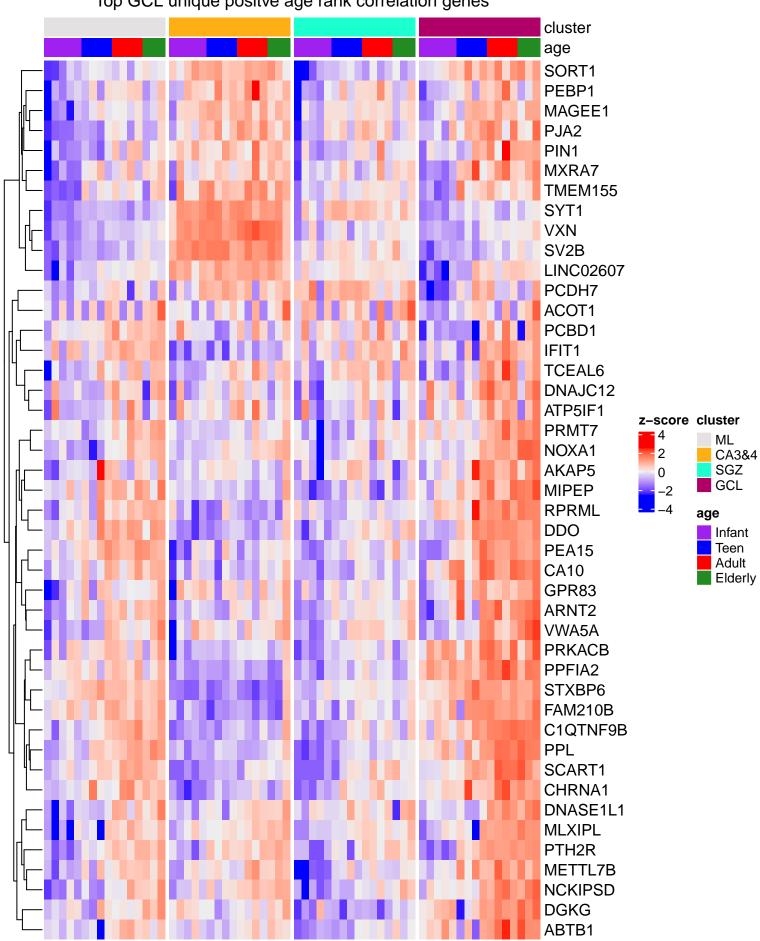
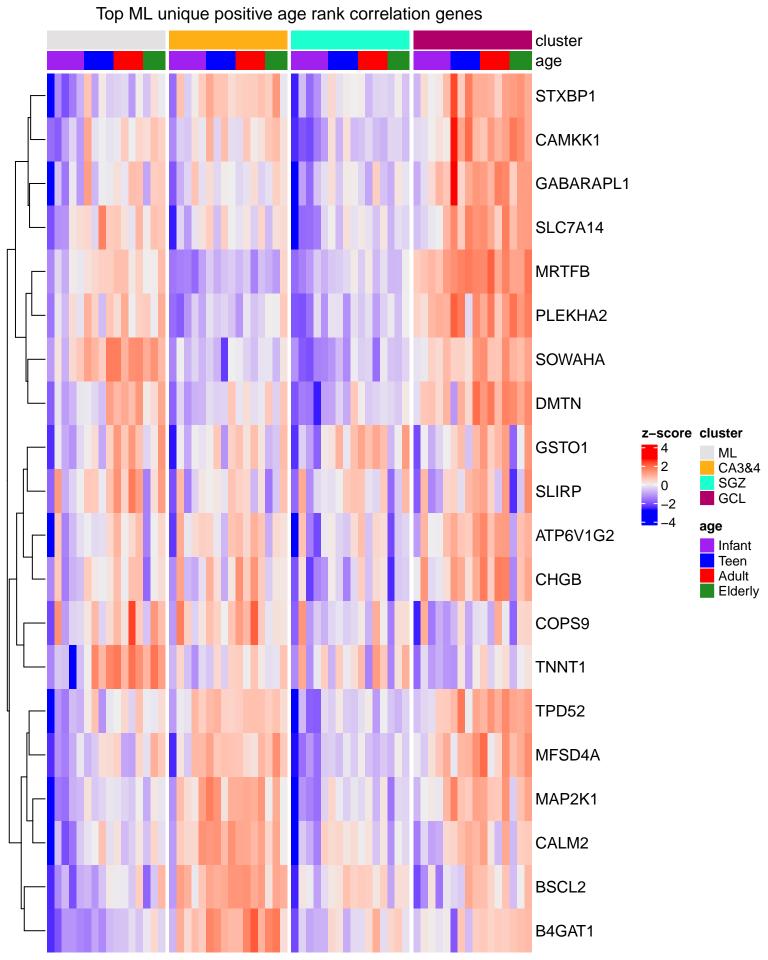
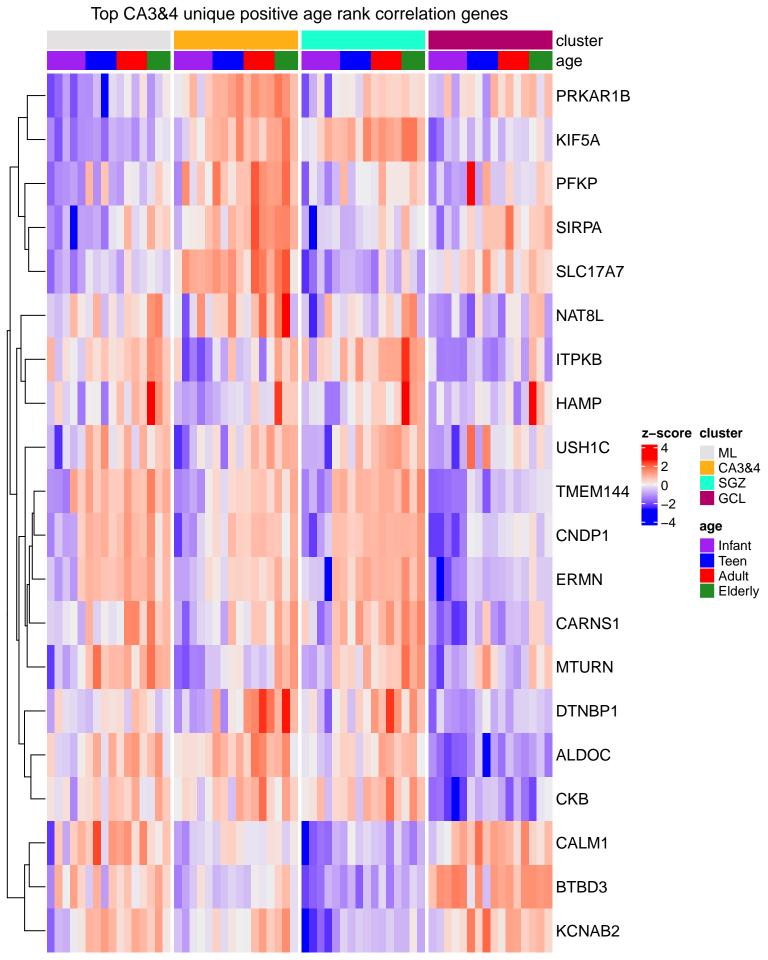
Top GCL unique positve age rank correlation genes



Top GCL unique negative age rank correlation genes cluster age SEMA3E EGR2 CDKN1A **JUNB** LIPG DCLK1 CHST1 NEUROD2 SLC24A3 NDRG4 **PTMS** z-score cluster ML DSEL 2 CA3&4 SGZ 0 CHD3 **GCL** -2 CPLX2 age Infant CD24 Teen Adult Elderly **PDYN** EEF2 RPLP0 **NSMF** FNBP1L DPYSL5 MARCKSL1 PABPC1 **MARCKS** SDC3 TMBIM6



Top ML unique negative age rank correlation genes cluster age RPL13A FZD8 PTPRZ1 ATP1A2 MT-ND4L MT-ATP8 MTRNR2L8 MT-CYB MT-ND5 MT-ND2 MT-ND1 MT-CO2 MT-CO3 z-score cluster MT-ND3 ML 2 CA3&4 MT-ATP6 SGZ 0 MT-CO1 **GCL** -2 ZFP36L2 age Infant ZFP36L1 Teen Adult CCN1 Elderly HES1 RGS16 SLC16A1 CXCL2 APOLD1 **TNC** WFIKKN2 PRAP1 SLC5A5 COL3A1 COL1A1 IGFBP2 HBA2



Top CA3&4 unique negative age rank correlation genes cluster age ADGRG1 **RGCC** GRM3 RPS18 RPL41 RPS24 RPL12 **TFRC** DUSP5 MEG3 KCNG1 SMPD3 z-score cluster ML **CXADR** 2 CA3&4 SGZ FAM241A GCL -2 FOXO6 age Infant HTR2C Teen Adult CDKN1C Elderly DUSP4 HS3ST4 **YWHAB** VAMP2 CELF4 TMEFF1 GNAO1 NAV3 NTS GDA MIF

Top SGZ unique positive age rank correlation genes cluster age CD99 PRDX6 PLAAT3 LINC00844 ALDH2 **METRN** FGF1 TSC22D4 PMP2 AQP4 AGT z-score cluster EFEMP1 ML 2 CA3&4 SDC4 SGZ 0 **GCL** -2 CSRP1 age PAQR6 Infant Teen MT2A Adult Elderly MT1E **CD81** CX3CR1 PFKFB2 STOM RNASE1 ENO1 IFI27L2 **SELENOM** MT1X HLA-DRB5

