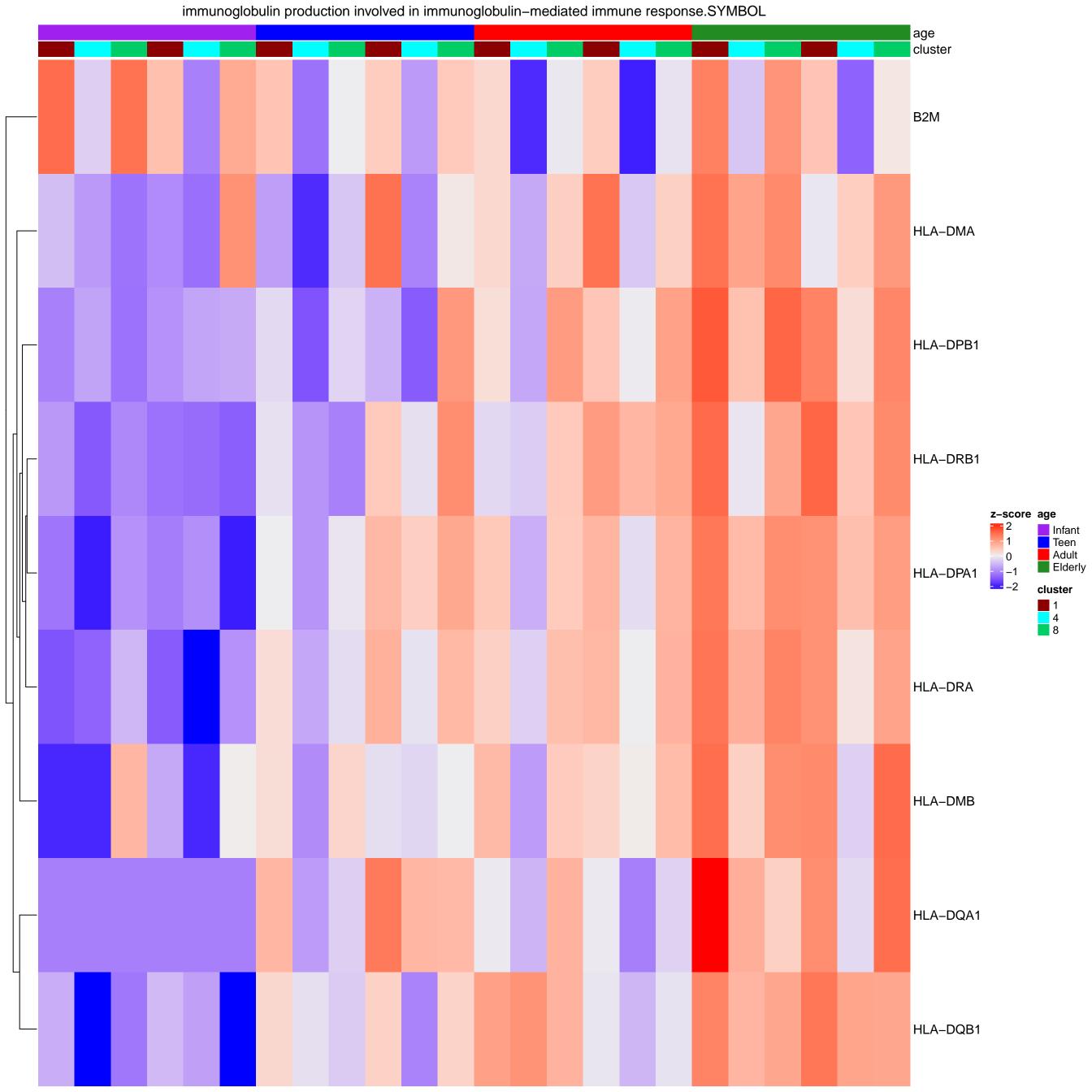
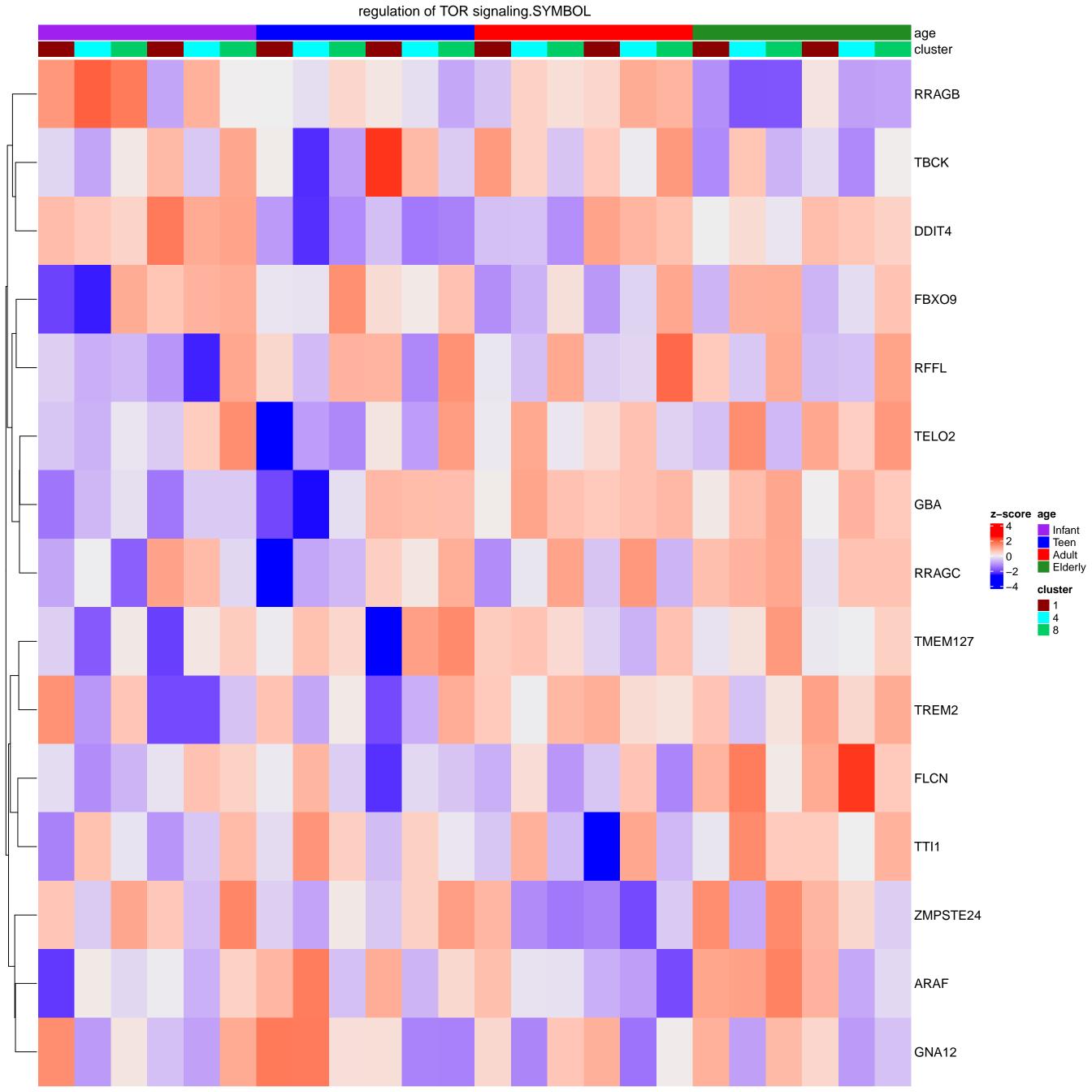
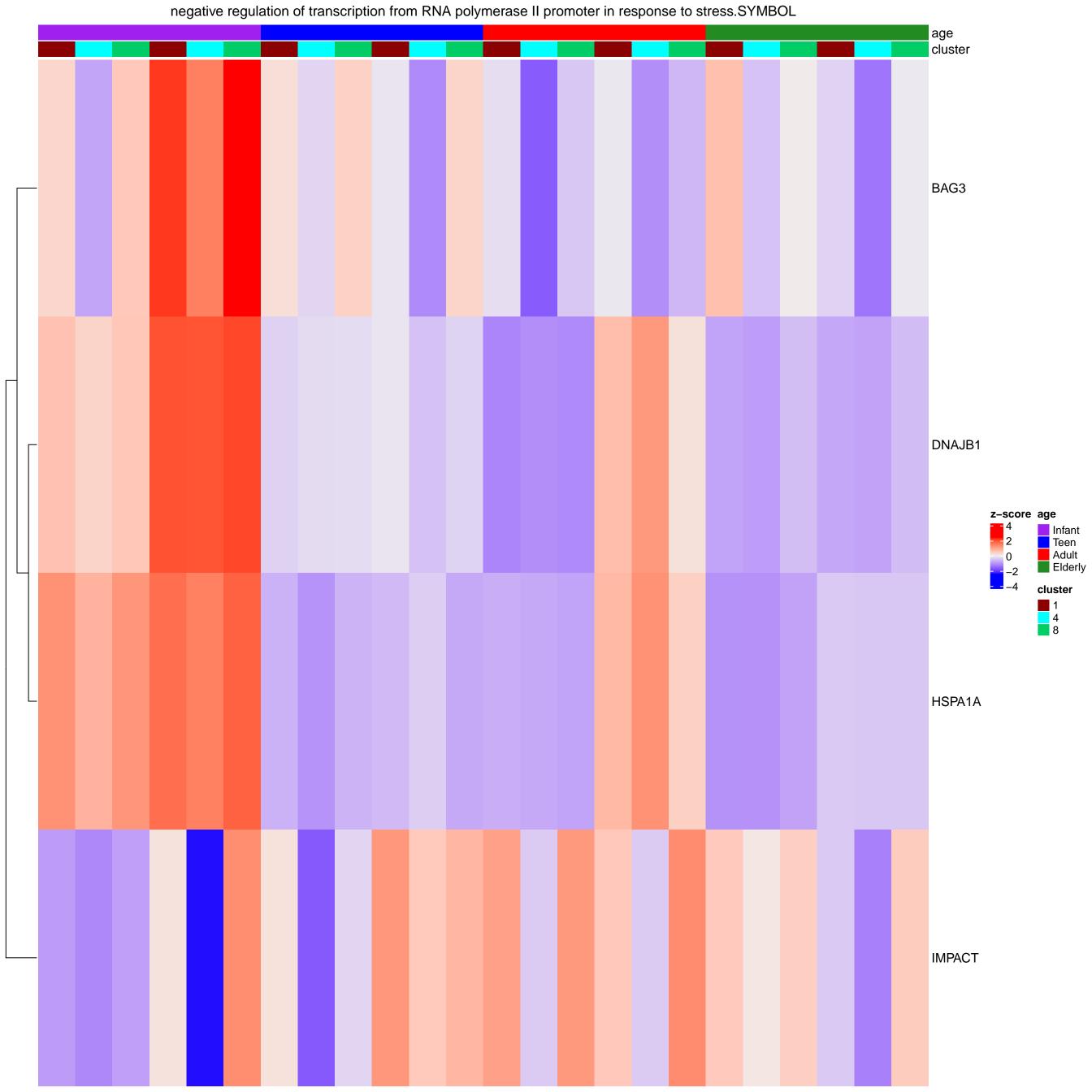
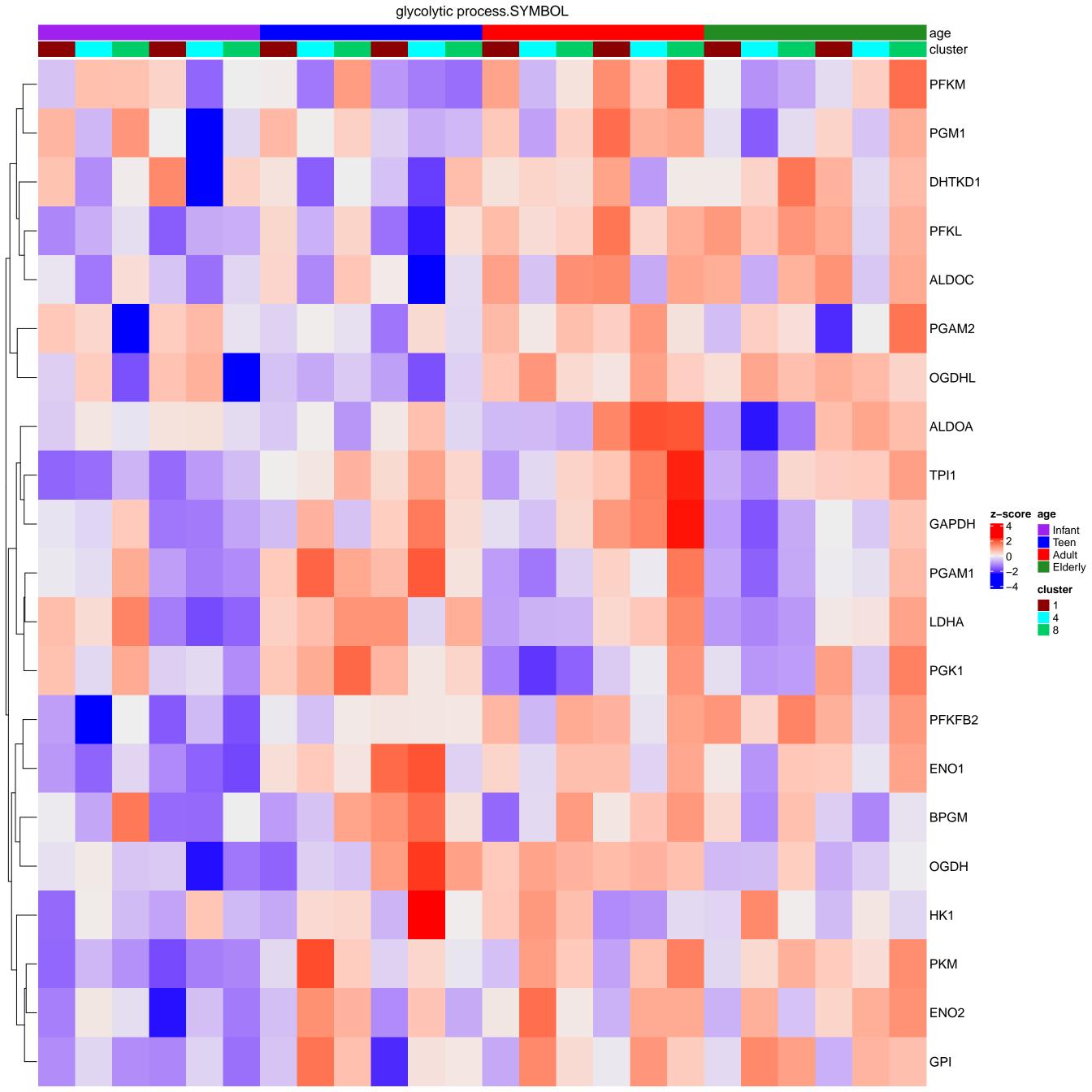


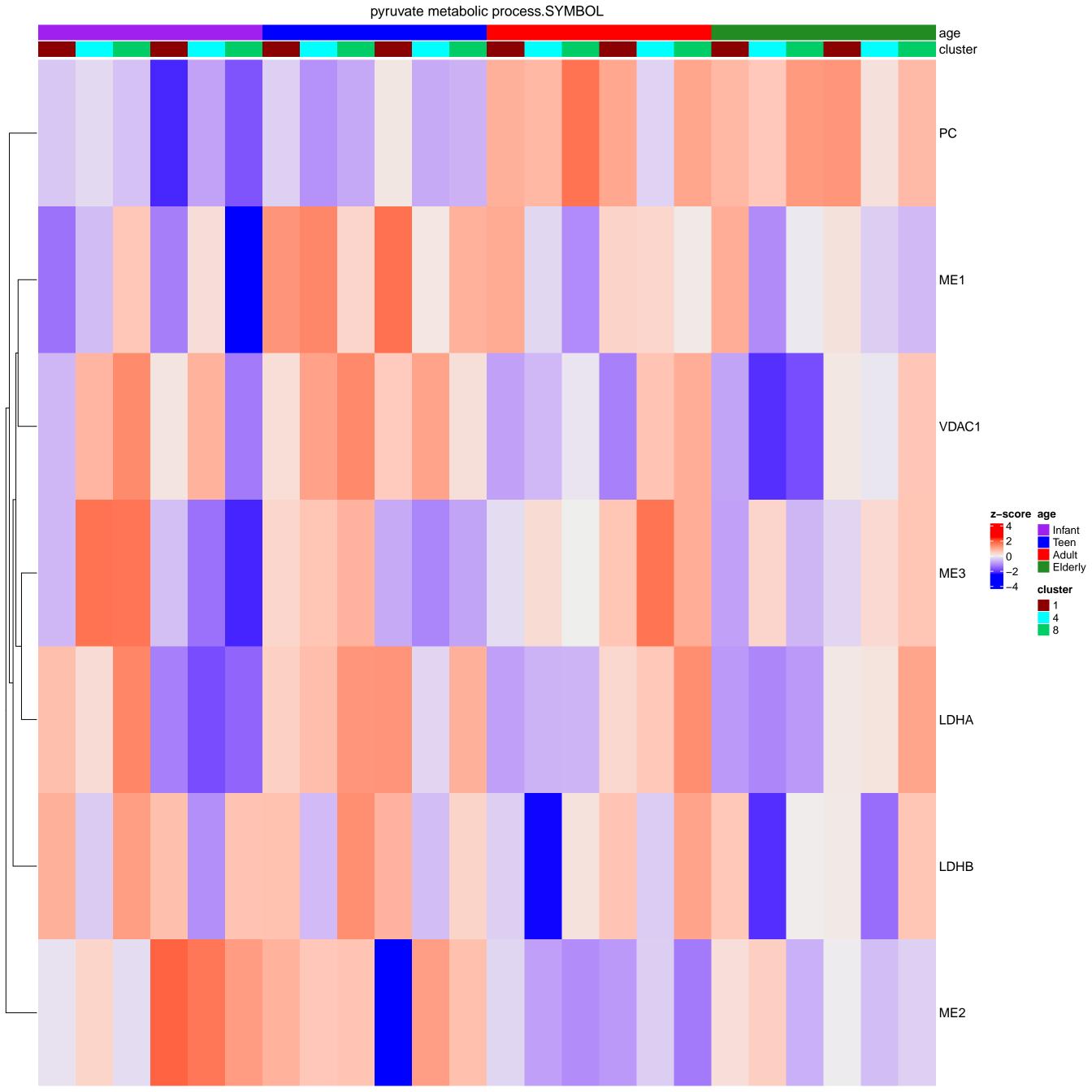
response to heat.SYMBOL age cluster MTOR HSPA2 CD14 AKT1 TP53INP1 TRPV3 MAP2K7 EIF2B1 GCLC IGFBP7 NOS1 TRPV2 TRPM2 IGF1 PIRT LRP11 z-score age Infant
Teen
Adult
Elderly 4 2 PSIP1 0 DNAJA3 cluster EIF2B4 1 4 8 MICA DNAJA2 RPS6KB1 EIF2B5 CXCL12 MICB DNAJA4 EIF2B3 HSP90AA1 HSPB1 DNAJB4 DNAJA1 EIF2B2 SST SOD1 HSPB2





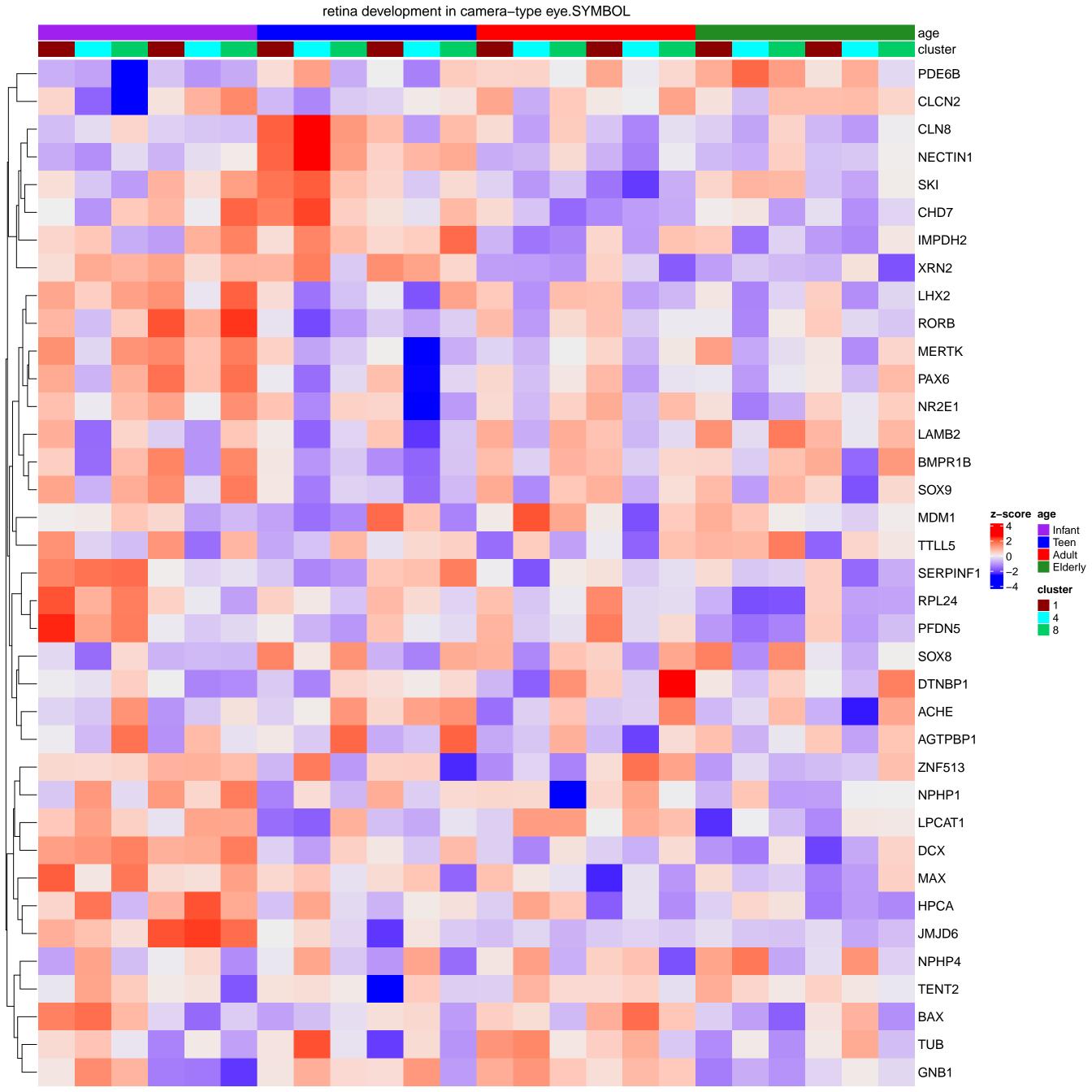


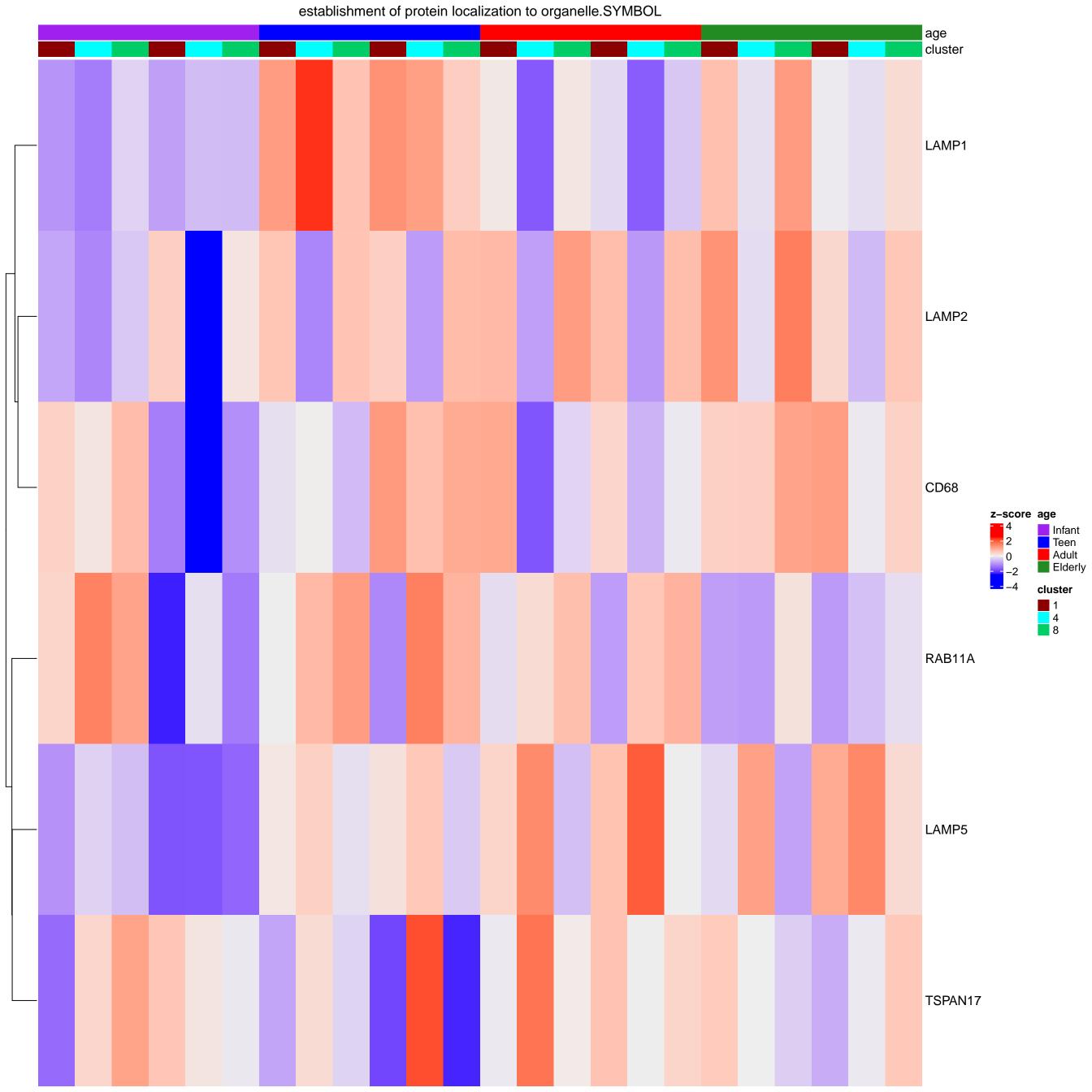


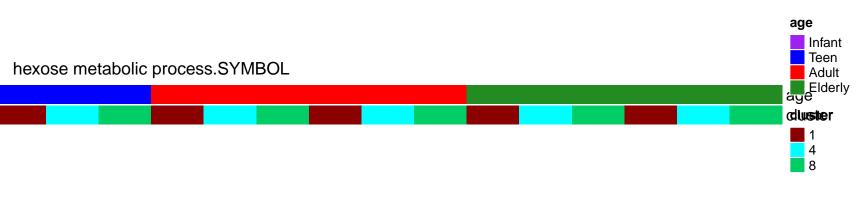


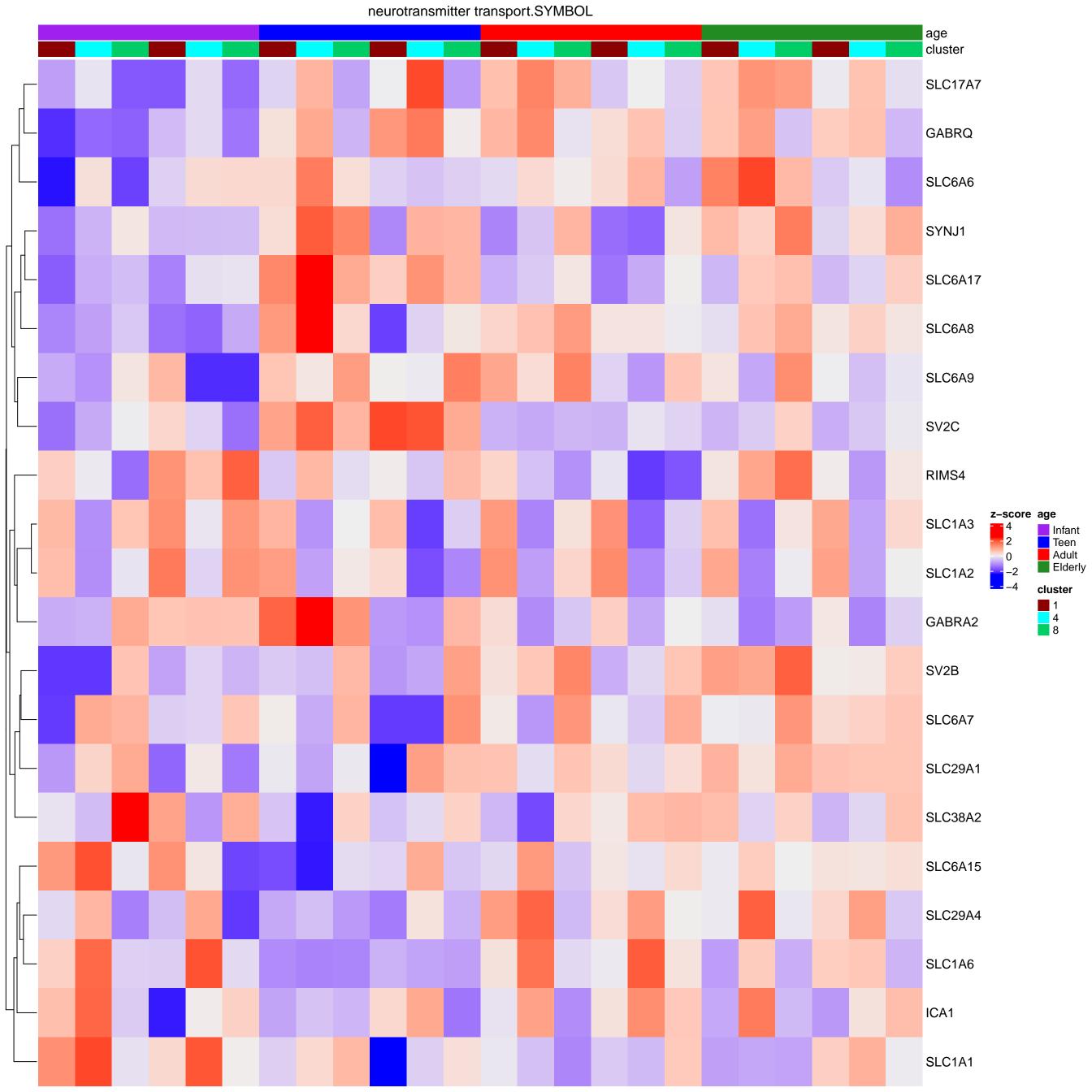
substantia nigra development.SYMBOL age cluster CALM1 SUDS3 TTBK1 SEC16A G6PD MAOB CKB CNP MBP PLP1 PADI2 S100A1 NDRG2 GLUD1 FGF2 GNB4 SIRT2 z-score age BASP1 Infant 2 Teen
Adult
Elderly HSPA5 0 ZNF148 cluster MAPKAP1 1 4 8 ACTB RHOA CDC42 YWHAE RAD1 DYNLL1 COX6B1 ATP5PF ATP5PB SYNGR3 INA CCDC14 FGF9 YWHAH NDUFS3 CALM2 CALM3 YWHAQ

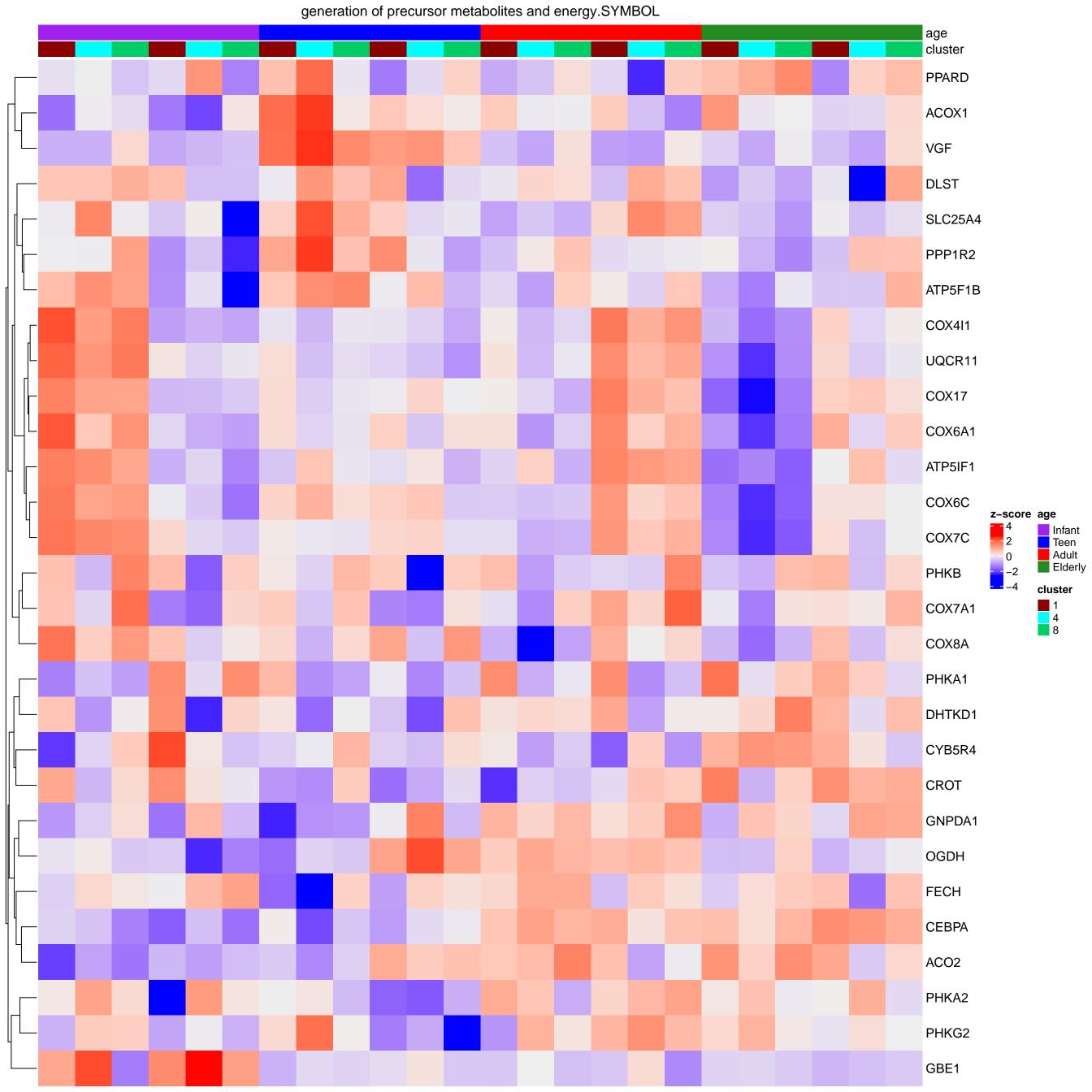
rhythmic process.SYMBOL age cluster RACK1 MAPK8 SIAH2 DHX9 CREM CREBBP KDM5B KDM5C SFPQ UBE3A CIPC PSPC1 DDX5 CUL4A **MTOR** MAGEL2 SP1 PRKDC CSNK2A1 PRKAA1 USP9X z-score age **BTRC** 4 2 Infant Teen
Adult
Elderly USP7 0 DNM1L -2 ATG7 cluster PRKAA2 1 4 8 CDK5R1 TARDBP NLGN1 FBXW11 FBXW7 MAPK10 MAPK9 **PRKCG** ROCK2 SRRD CRTC1 HLF FBXL3 DDB1 GRIN3A CCAR2 SIN3A CBX3 CDK5 TEF **RORB** KAT2B

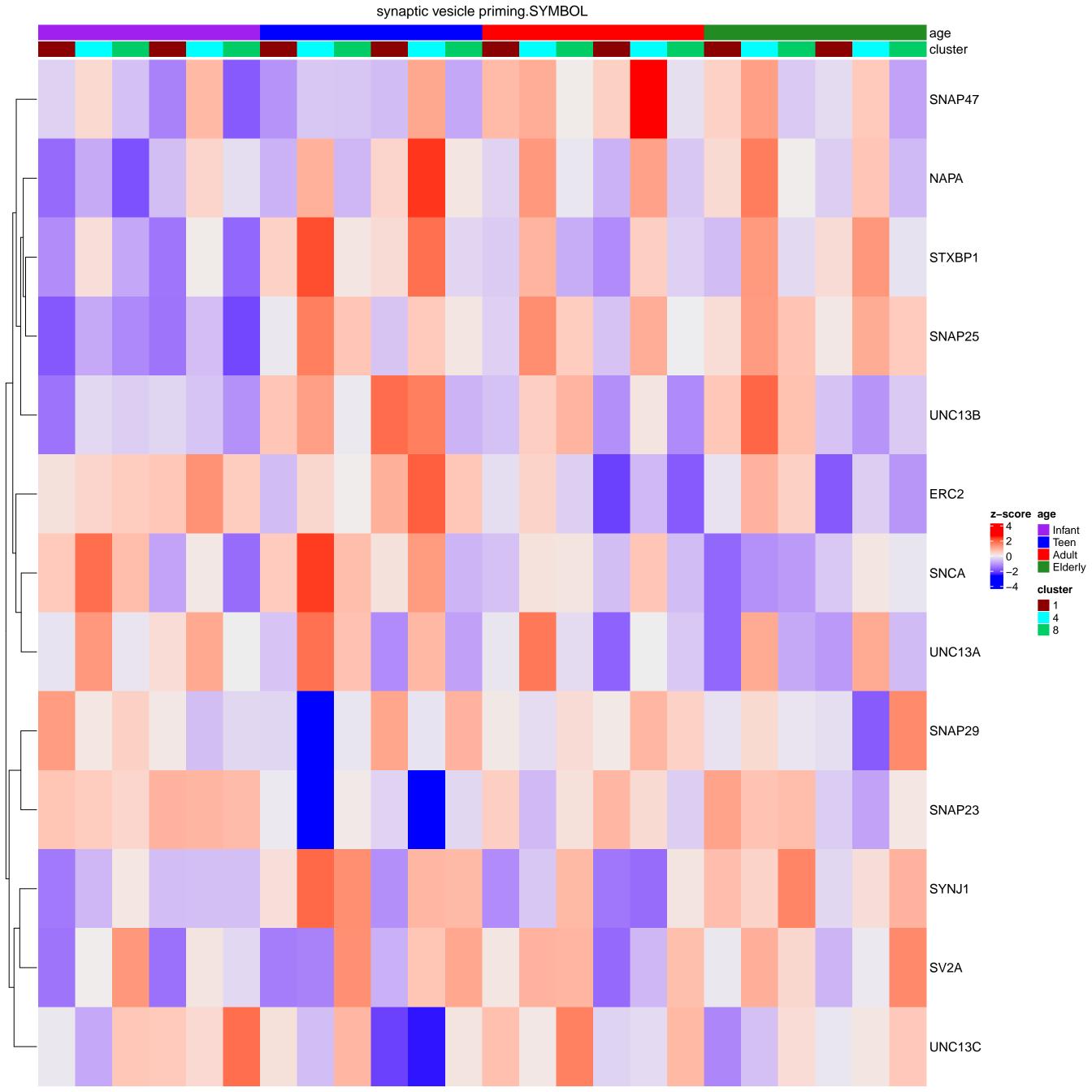


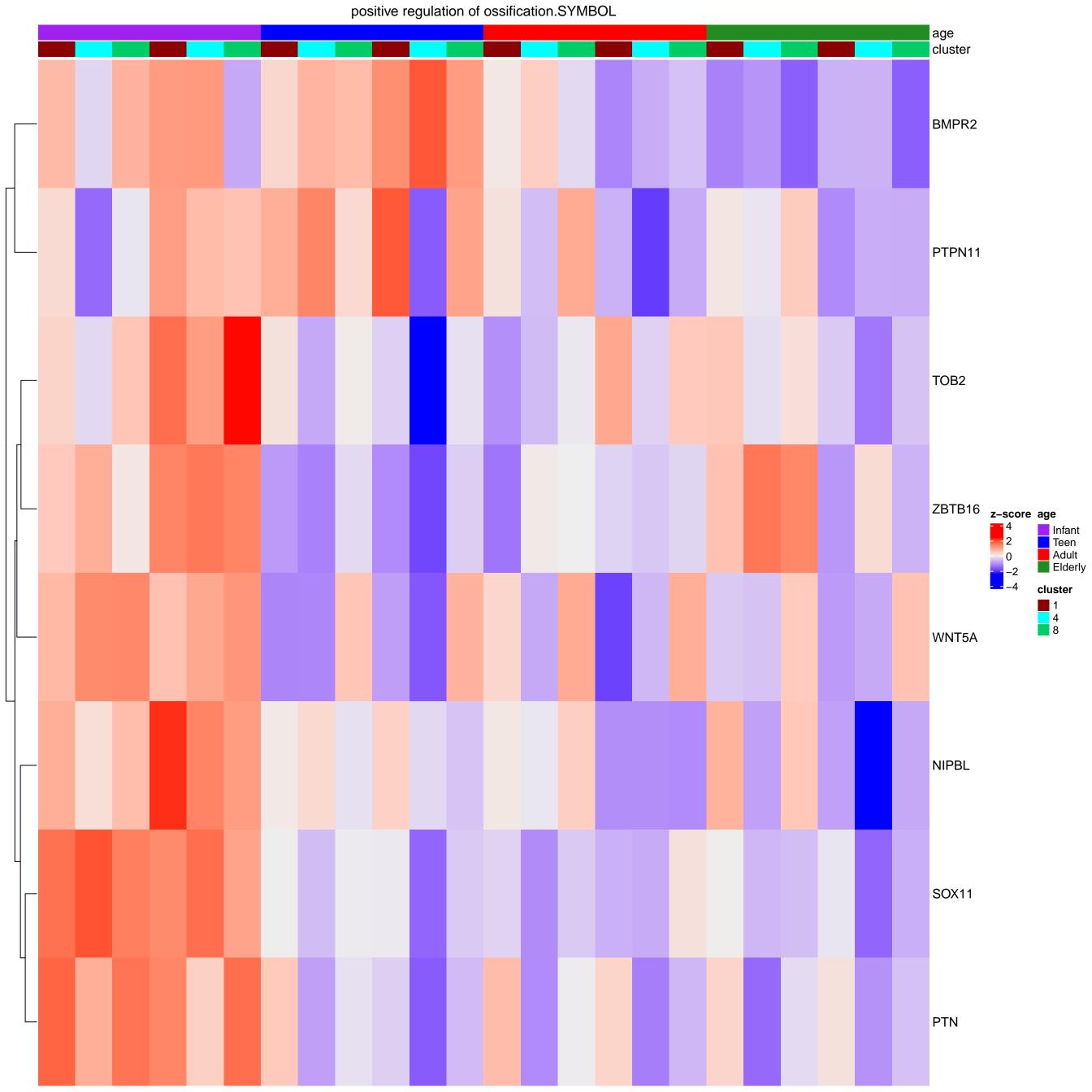


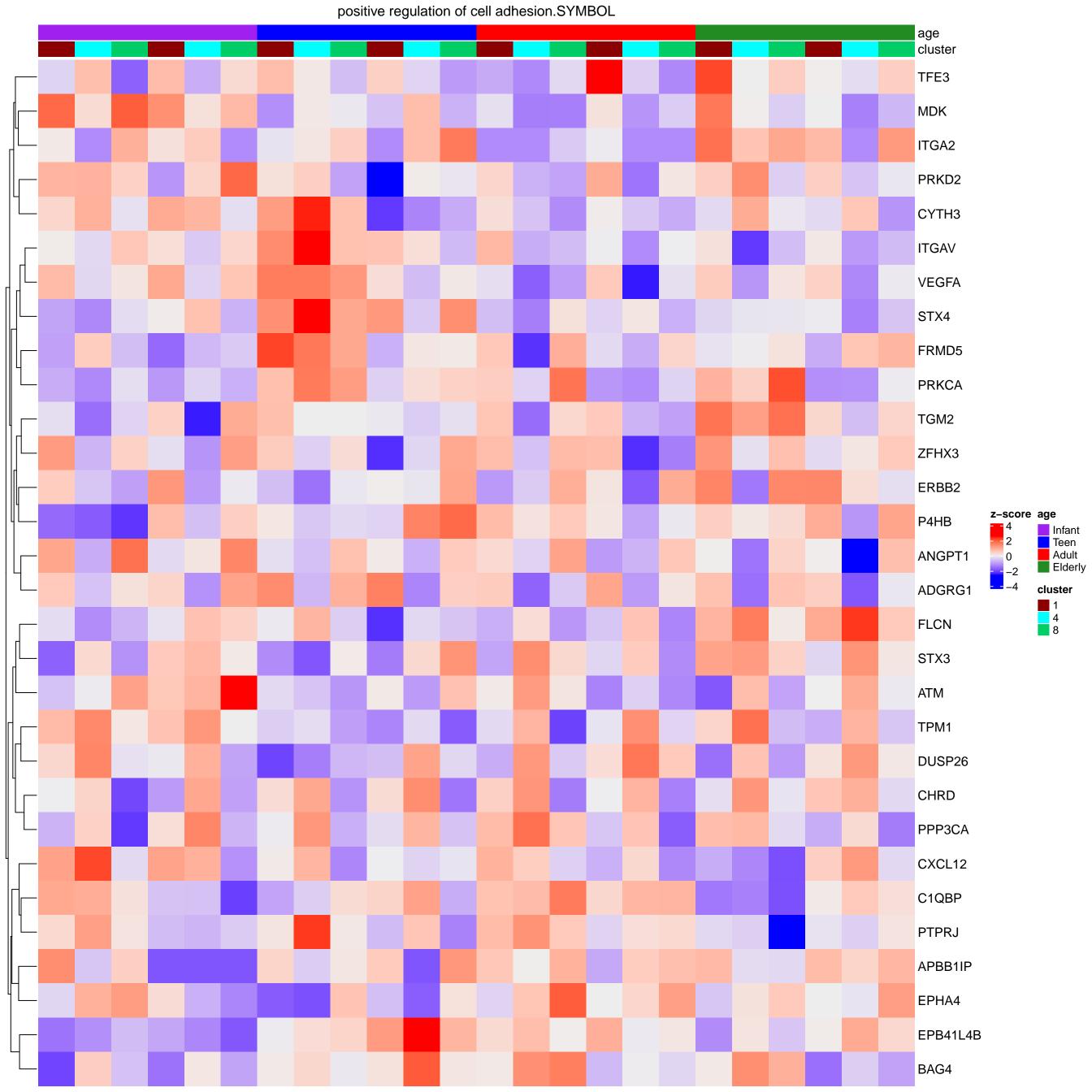




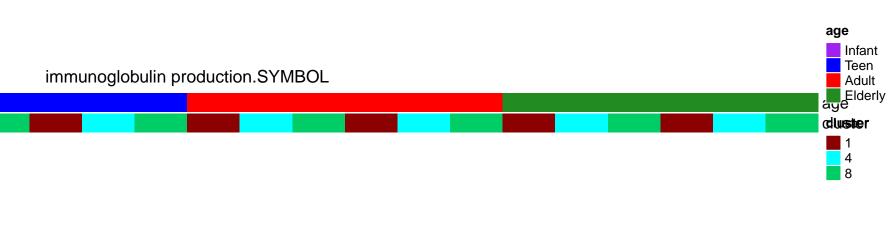




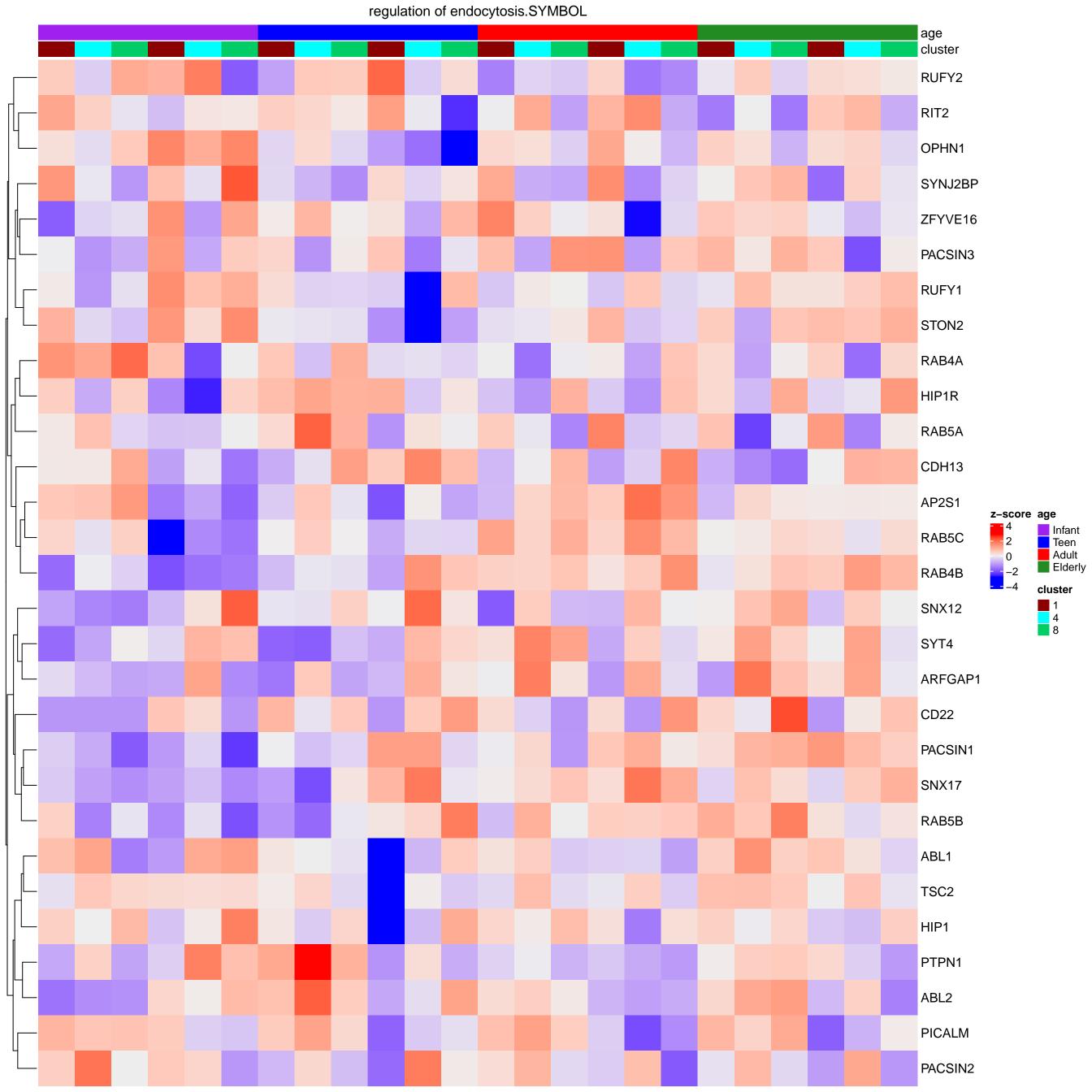


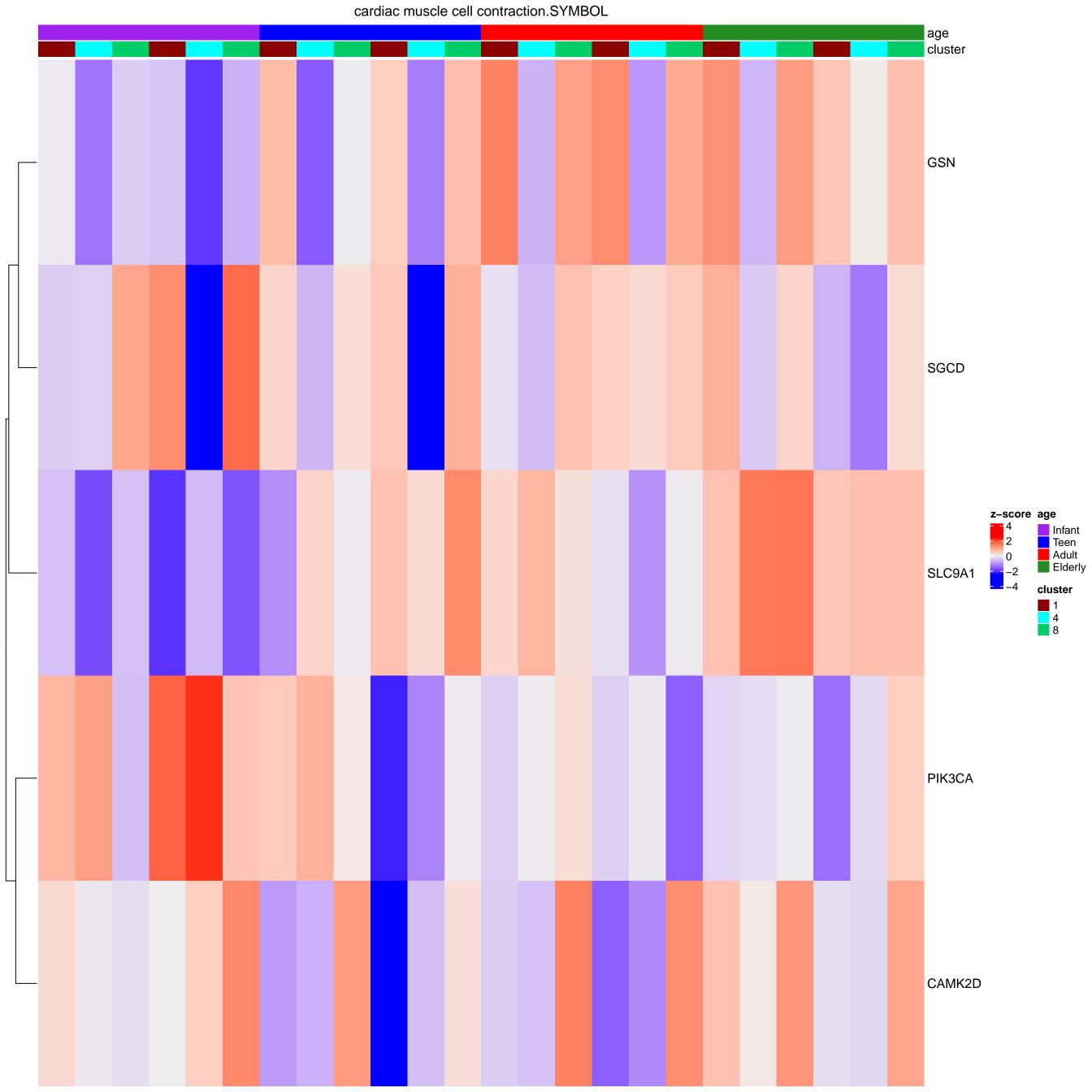


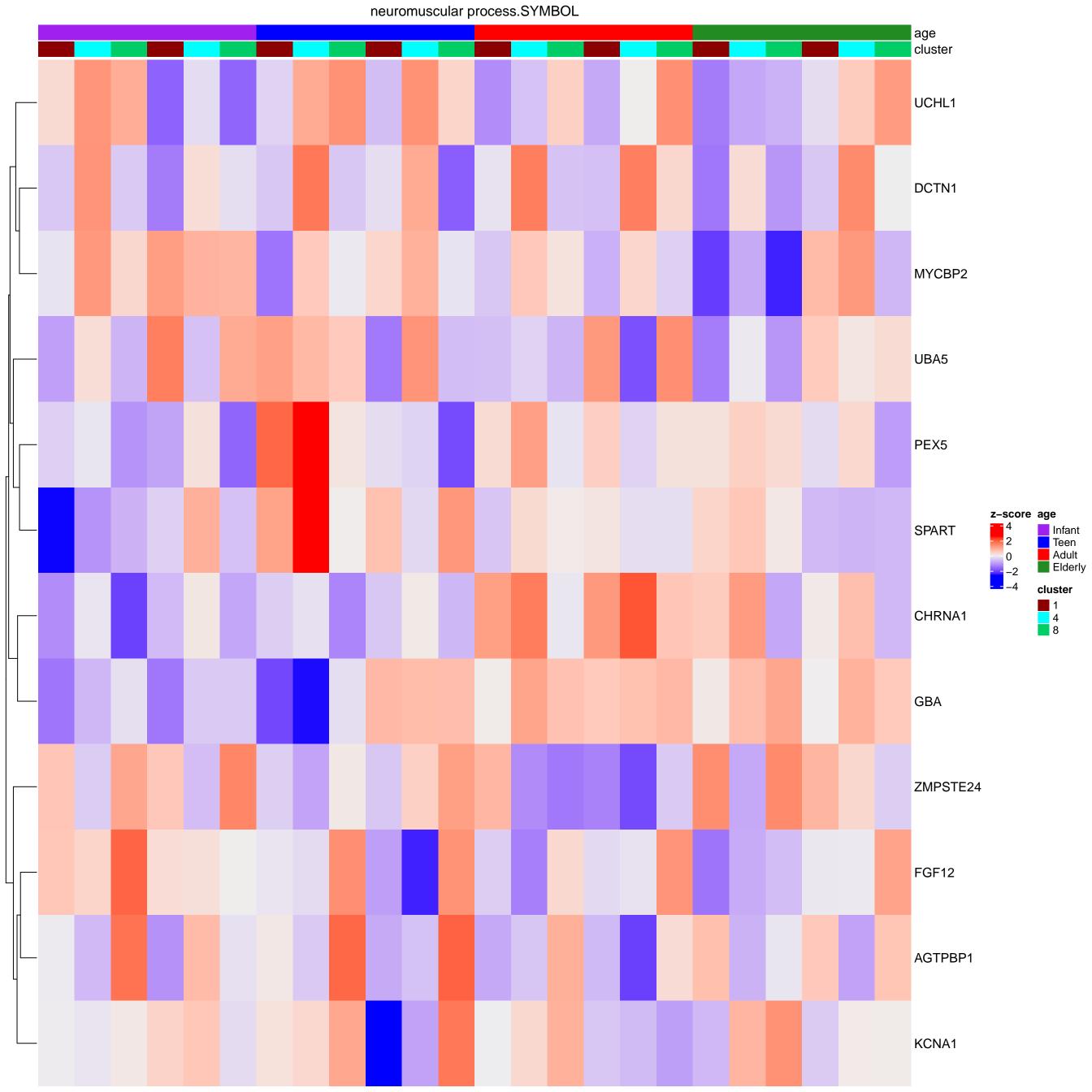
modulation of chemical synaptic transmission.SYMBOL age cluster CDH11 **PRKACA** FYN PXK NLGN2 BDNF LRFN2 LRRC4 ARC AKAP12 NTNG2 LRP8 SLC4A8 CX3CR1 **SRGN** RELN GRIK1 **PTPRD** TUBB2B EIF4EBP2 GRID1 SLC7A11 z-score age EPHB1 4 2 Infant AKAP7 Teen Adult Elderly 0 NLGN3 -2 CACNA1A ____4 cluster GRIK5 1 4 8 SLC6A6 CACNA1B ABR PRKAR1B DNM1 NTF3 DGKE GRIK2 PACSIN2 PRKAR2B NLGN4X PTPRA BCR BTBD9 IQSEC2 PPP1R9A PPP1R9B LRRC4C NLGN4Y NLGN1 NRG3 GRIK4 PSMC5



synapse organization.SYMBOL age cluster **SNCA** SLC1A1 L1CAM PAK3 MAPT PPFIA3 LRRTM2 TSC1 NLGN3 CBLN2 PPFIBP1 NFASC NLGN2 SYN1 APP SLC8A2 PPFIA4 DRP2 DVL1 z-score age PPFIA2 4 2 Infant
Teen
Adult
Elderly PIN1 0 -2 LRRTM1 cluster SNCB 1 4 8 PRRT1 NLGN4X GRM5 C1QA FLNA RAB39B SLC6A1 **SNCG** AGRN LRP4 APBB2 PPFIA1 ELFN1 CTNND2 TNR SLC8A3 SEMA3E CTNNB1 WNT7B PSEN1







sodium ion transmembrane transport.SYMBOL age cluster SCN3B SCN2A SLC6A6 CACNA1I SLC8A2 SCN2B SLC17A7 KCNK1 ATP1B1 SLC6A17 SCN1B SLC20A1 SLC6A8 ANO6 HCN2 SLC6A9 SCN4B SLC6A12 PKD2 TPCN1 SLC20A2 SLC8B1 SLC12A2 SLC4A10 z-score age Infant **NALCN** 2 Teen SLC9B2 Adult Elderly 0 -2 SHROOM2 cluster SCNN1D 1 4 8 SLC24A4 SCN3A SLC6A15 ASIC1 SLC4A8 HCN1 ATP1B3 SLC24A3 SLC4A7 SLC6A1 SLC3A2 SLC8A3 SLC41A1 ATP1A2 SLC4A4 SLC24A2 SCN8A SLC9A8 SLC8A1 TRPM2 SLC6A7 SCN1A ASIC2 CACNA1H SLC6A11

