Chondroitin and Heparan sulfate biosynthesis All SiRCle Clusters HS6ST1 NDST4 CHST11 VAE Integrated Rank (Mean) -1.5 CHPF -1.0 -0.5 0.0 UST 0.5 CHSY1 1.0 Condition B3GAT1 Stage 1 Stage 4 NDST3 HS6ST3 HS6ST2 -2 VAE integrated value