Glycolysis and Gluconeogenesis All SiRCle Clusters PFKFB4 **LDHC** SLC2A9 SLC5A12 **PFKP** SLC5A1 SLC16A3 **LDHA** PCK1 **PKLR** PGK1 ENO₂ HK2 PGAM1 **ALDOC** Condition **GPI ALDOA** Old TPI1 Young ENO1 SLC5A8 VAE Integrated Rank (Mean) **LDHB** SLC2A1 -1.0 SLC2A11 **GAPDH** -0.5SLC16A7 SLC5A9 0.0 ACYP1 SLC2A3 FBP1 0.5 SLC16A1 PFKFB1 SLC2A2 1.0 LDHAL6B HK3 ENO3 **LDHD** FBP2 PCK2 ALDOB **BPGM** SLC2A14 G6PC2 SLC25A11 PFKFB2 SLC2A7 SLC5A2 SLC5A11

VAE integrated value

SLC2A12

-2