H3K9ac Up Overlap Enrichment DH.Opc **DH.Pericytes DH.Endo** DH.SMC DH.Ogc FC.Ogc FC.Opc DH.Asc FC.Peri DH.Choroid_Plexus FC.Asc FC.Endo FC.Inh.Sema5a.S100a13 FC.Inh.Six3.Def6 FC.Inh.Vip.Npy DH.Inh FC.Inh.Sst.Pvalb DH.Sub Ent-FC.L5b.Fezf2 DH.CA2-3 DH.CA1 DH.DG.Penk-DH.DG.Card6.1 FC.L4 FC.Claustrum FC.L2-3 DH.DG.Card6.2 FC.L5a.Deptor FC.L5.Parm1 FC.L6 HT.SMC LM.Skm.Fhl3.Cyrm.Ache LM.Skm.Fhl3.Wdr31 LM.SMC HT.CM LM.Skm.Fhl3.Myh1 LM.Skm.Fhl3.2 LM.Skm.Fhl3.3 LM.Skm.Fhl3..1 LM.Bcell HT.Tcell DH.Mcg LM.Macg HT.Macg LM.neutrophils FC.Mgc HT.Bcell HT.Endo.1 HT.Endo LM.Fat-LM.Endo HT.Fat HT.FB LM.Kerat LM.MSC LM.FB 20 **Odds** ratio

Clade

Glia

InN

ExN

Other

Muscle

Immune

H3K9ac Down Overlap Enrichment DH.SMC **DH.Endo** FC.Endo FC.Peri **DH.Pericytes** FC.Opc **DH.Choroid Plexus** DH.Ogc FC.Ogc DH.Opc FC.Asc DH.Asc FC.Inh.Six3.Def6 DH.Inh FC.Inh.Sst.Pvalb FC.Inh.Vip.Npy FC.Inh.Sema5a.S100a13 FC.L5b.Fezf2 FC.L5.Parm1 FC.Claustrum DH.DG.Card6.1 FC.L6 DH.DG.Card6.2 DH.DG.Penk DH.Sub Ent-DH.CA2-3 DH.CA1 FC.L2-3 FC.L5a.Deptor FC.L4 LM.Skm.Fhl3.Cyrm.Ache LM.Skm.Fhl3.3 LM.SMC LM.Skm.Fhl3.Wdr31 LM.Skm.Fhl3.2 LM.Skm.Fhl3.Myh1 LM.Skm.Fhl3..1 HT.CM HT.SMC-HT.Bcell FC.Mgc HT.Tcell DH.Mcg HT.Macg LM.Macg LM.neutrophils LM.MSC HT.Fat HT.Endo LM.Endo LM.Fat HT.Endo.1 LM.Kerat LM.FB HT.FB 20 4060 **Odds** ratio

Clade

Glia

InN

ExN

Muscle

Immune

Other