H3K9me3 Up Overlap Enrichment DH.Endo FC.Opc FC.Endo DH.SMC FC.Asc FC.Peri FC.Ogc **DH.Pericytes** DH.Choroid_Plexus DH.Asc DH.Ogc FC.Inh.Six3.Def6 FC.Inh.Sst.Pvalb DH.Inh FC.Inh.Vip.Npy FC.Inh.Sema5a.S100a13 FC.L2-3 FC.L4 FC.L6 FC.Claustrum FC.L5.Parm1 DH.CA2-3-FC.L5a.Deptor DH.CA1 DH.DG.Card6.2 FC.L5b.Fezf2 DH.DG.Card6.1 DH.DG.Penk DH.Sub Ent-Clade LM.Skm.Fhl3.2 LM.Skm.Fhl3.3 LM.Skm.Fhl3.Myh1 HT.CM LM.Skm.Fhl3.Cyrm.Ache LM.Skm.Fhl3.Wdr31 HT.SMC LM.Skm.Fhl3..1 LM.SMC HT.Bcell LM.neutrophils HT.Tcell HT.Macg LM.Bcell LM.Macq FC.Mgc DH.Mcg LM.Fat BM.Naive.B.cell HT.FB BM.Macrophage BM.Neutrophil.Ms4a3 HT.Endo.1 LM.Endo BM.T.cell BM.Late.Pro.B.cell BM.Monocyte BM.Endo HT.Endo LM.FB HT.Fat BM.Basophil-BM.Pro.Eryth BM.FB BM.Neutrophil.Gpr27 BM.Pre.B.cell 25 5075

Glia

InN

ExN

Other

Muscle

Immune

H3K9me3 Down Overlap Enrichment DH.Opc-DH.Asc **DH.Choroid Plexus** FC.Asc **DH.Pericytes** DH.Ogc FC.Ogc FC.Opc DH.SMC DH.Endo FC.Peri FC.Inh.Sema5a.S100a13 FC.Inh.Vip.Npy DH.Inh FC.Inh.Six3.Def6 FC.Inh.Sst.Pvalb DH.CA1 DH.DG.Card6.1 DH.DG.Card6.2 DH.DG.Penk-DH.CA2-3 FC.L2-3-DH.Sub Ent-FC.L4-FC.L5a.Deptor FC.L5b.Fezf2 FC.L6 FC.Claustrum FC.L5.Parm1 LM.Skm.Fhl3.Cyrm.Ache LM.Skm.Fhl3.3 LM.Skm.Fhl3.2 HT.CM LM.Skm.Fhl3.Myh1 LM.Skm.Fhl3.Wdr31 HT.SMC DH.Mcg HT.Macg FC.Mgc HT.Tcell LM.Fat LM.FB LM.MSC BM.FB HT.Endo.1 BM.Neutrophil.Gpr27 **BM.Dendritic.Cells** BM.Basophil HT.Fat BM.Naive.B.cell-BM.Plasma.Cell-BM.Eryth HT.FB BM.Late.Pro.B.cell BM.Neutrophil.II1b BM.Macrophage **BM.Endo** BM.Pro.Eryth BM.HSC BM.T.cell-BM.Neutrophil.Ms4a3 BM.Monocyte-HT.Endo-25 5075025 **Odds ratio**

Clade

Glia

InN

ExN

Other

Muscle

Immune