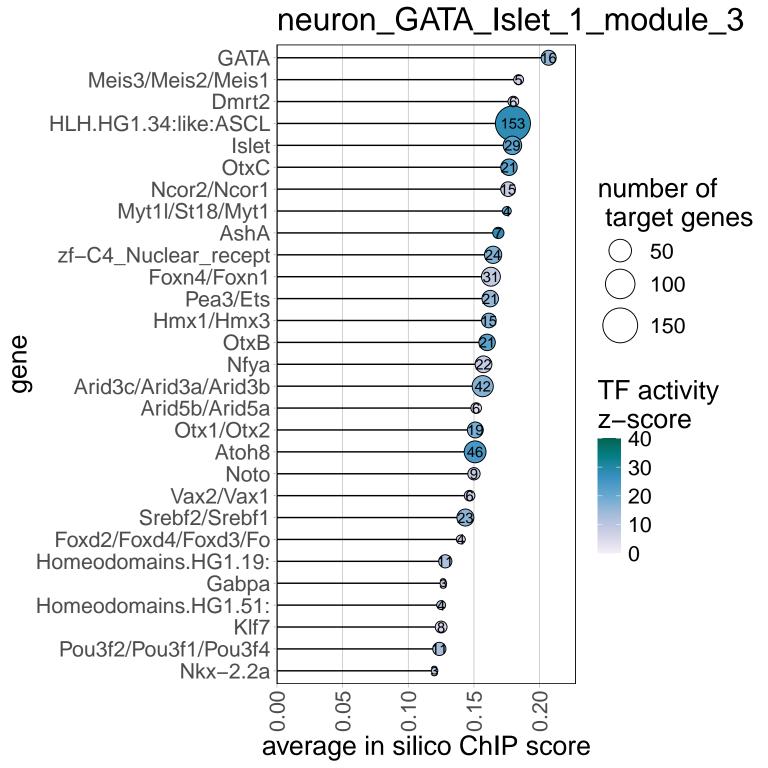
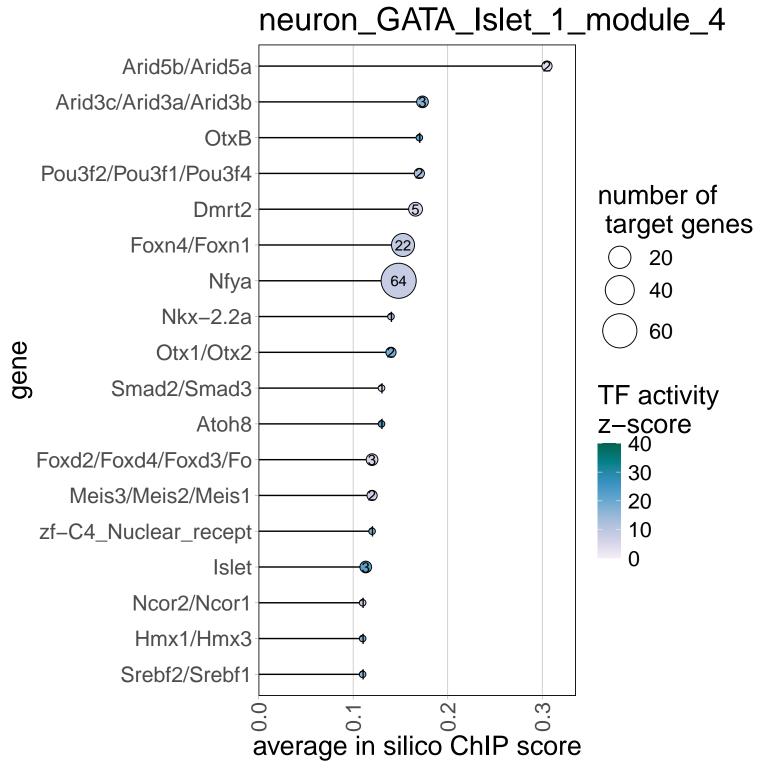
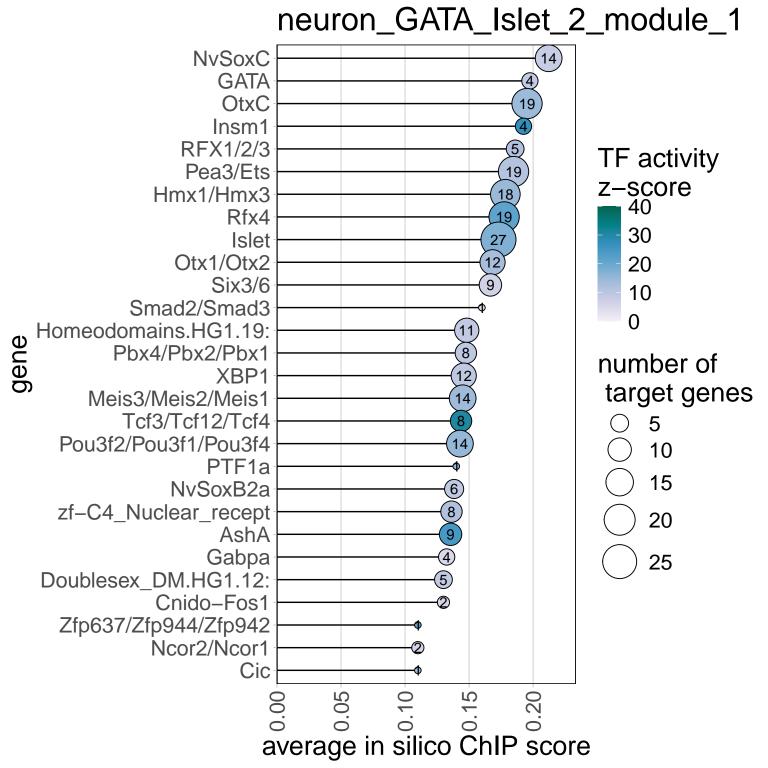


neuron_GATA_Islet_1_module_2 Ncor2/Ncor1 Arid5b/Arid5a **AshA** Myt1I/St18/Myt1 HLH.HG1.34:like:ASCL Foxn4/Foxn1 number of Dmrt2 target genes Nfya Arid3c/Arid3a/Arid3b 40 Pea3/Ets Atoh8 80 zf-C4 Nuclear recept 120 Otx1/Otx2 Islet 160 **OtxC GATA** Pou3f2/Pou3f1/Pou3f4 TF activity Hmx1/Hmx3 Meis3/Meis2/Meis1 z-score Noto 40 Vax2/Vax1 30 **OtxB** Srebf2/Srebf1 20 Homeodomains.HG1.19: 10 Gabpa 0 Smad2/Smad3 Homeodomains.HG1.51: Foxd2/Foxd4/Foxd3/Fo Lhx9/Lhx2 Nkx-2.2a average in silico ChIP score

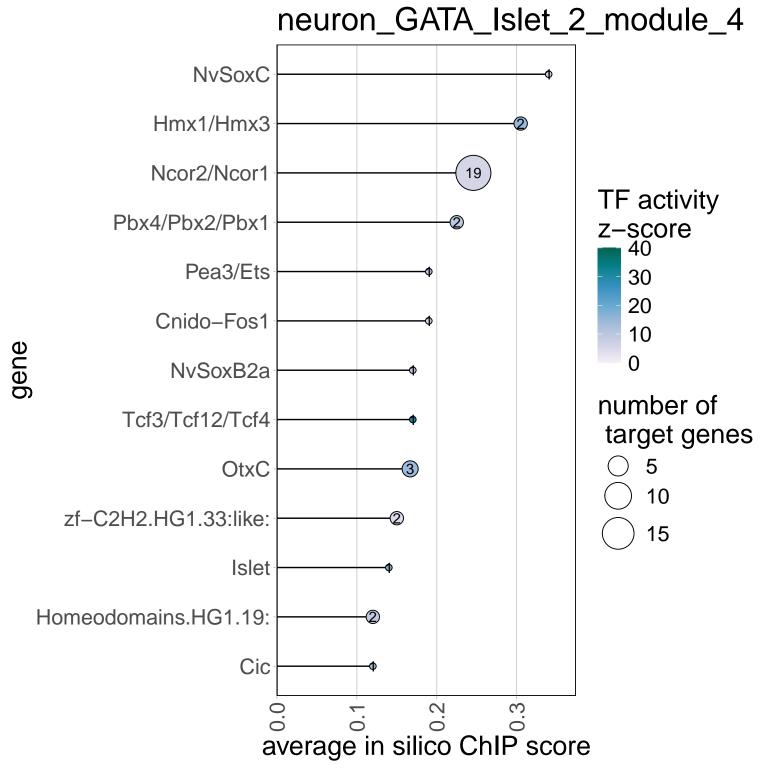


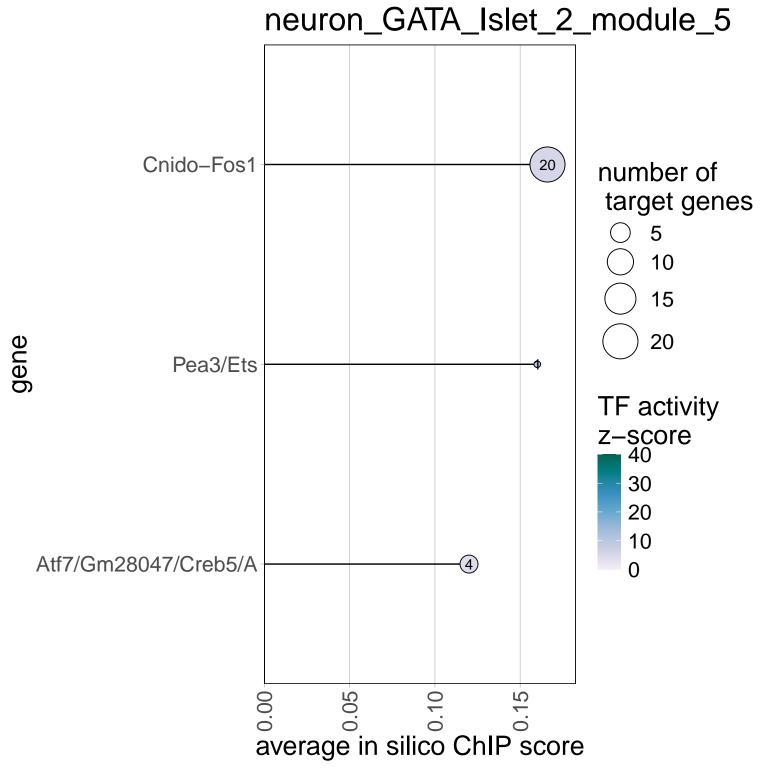


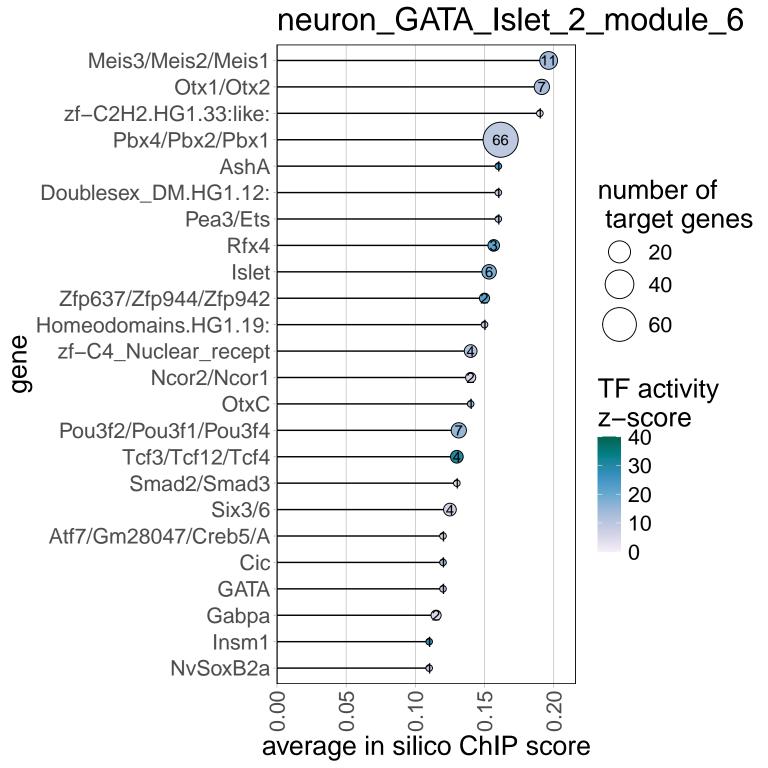


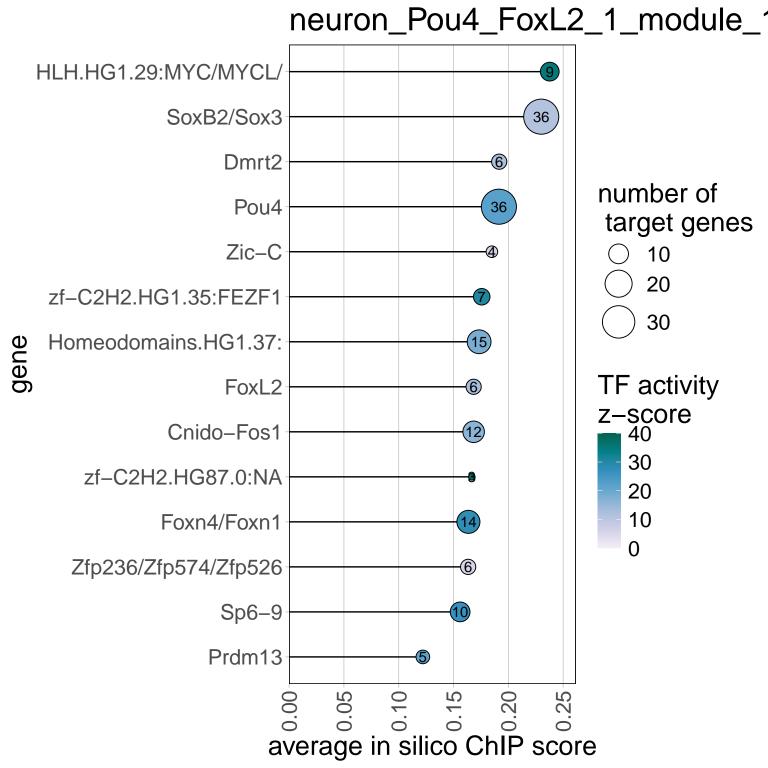
neuron_GATA_Islet_2_module_2 **GATA** Cic **AshA** Ncor2/Ncor1 Islet Zfp637/Zfp944/Zfp942 Tcf3/Tcf12/Tcf4 139 Pea3/Ets number of Hmx1/Hmx3 target genes zf-C4 Nuclear recept Insm₁ 50 20 Otx1/Otx2 16 **NvSoxC** 100 **OtxC** Six3/6 Rfx4 TF activity NvSoxB2a z-score Meis3/Meis2/Meis1 40 XBP1 Nkx1-1/Nkx1-2 30 Pou3f2/Pou3f1/Pou3f4 20 Cnido-Fos1 10 Pbx4/Pbx2/Pbx1 0 Homeodomains.HG1.19: zf-C2H2.HG1.33:like: Doublesex DM.HG1.12: Homeodomains.HG2.29: Gabpa RFX1/2/3 Atf7/Gm28047/Creb5/A average in silico ChIP score

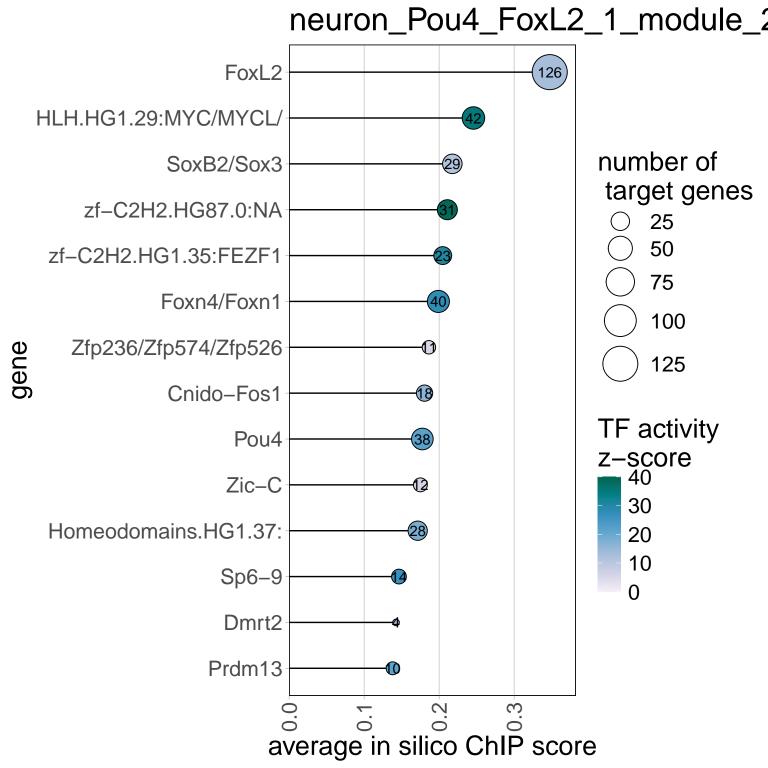
neuron_GATA_Islet_2_module_3 AshA Cic Tcf3/Tcf12/Tcf4 Hmx1/Hmx3 Pea3/Ets Zfp637/Zfp944/Zfp942 number of zf-C4 Nuclear recept **OtxC** target genes Otx1/Otx2 40 XBP1 Islet 80 **GATA** Ncor2/Ncor1 120 Pou3f2/Pou3f1/Pou3f4 **NvSoxC** 160 gene Cnido-Fos1 Rfx4 TF activity Homeodomains.HG1.19: Pbx4/Pbx2/Pbx1 z-score Meis3/Meis2/Meis1 40 NvSoxB2a 30 Nkx1-1/Nkx1-2 20 Doublesex DM.HG1 10 zf-C2H2.HG1.33:like: 0 Atf7/Gm28047/Creb5/A Gabpa Smad2/Smad3 Prdm14 average in silico ChIP score

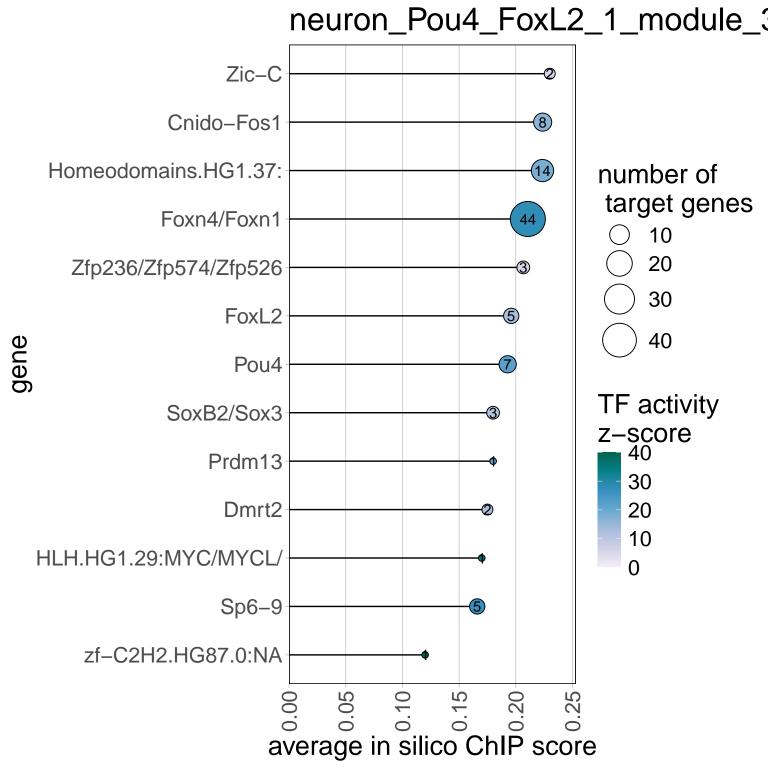


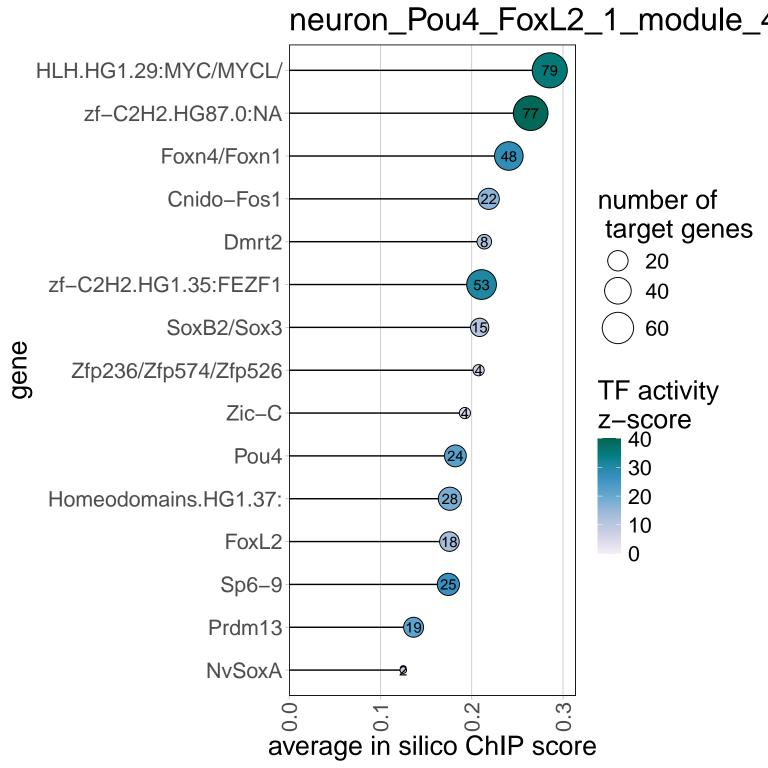


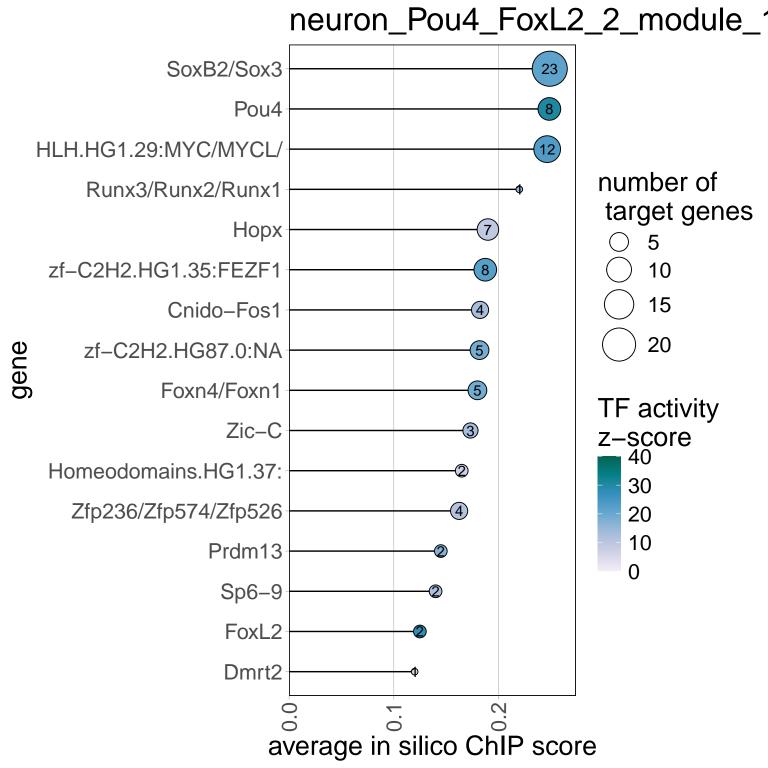


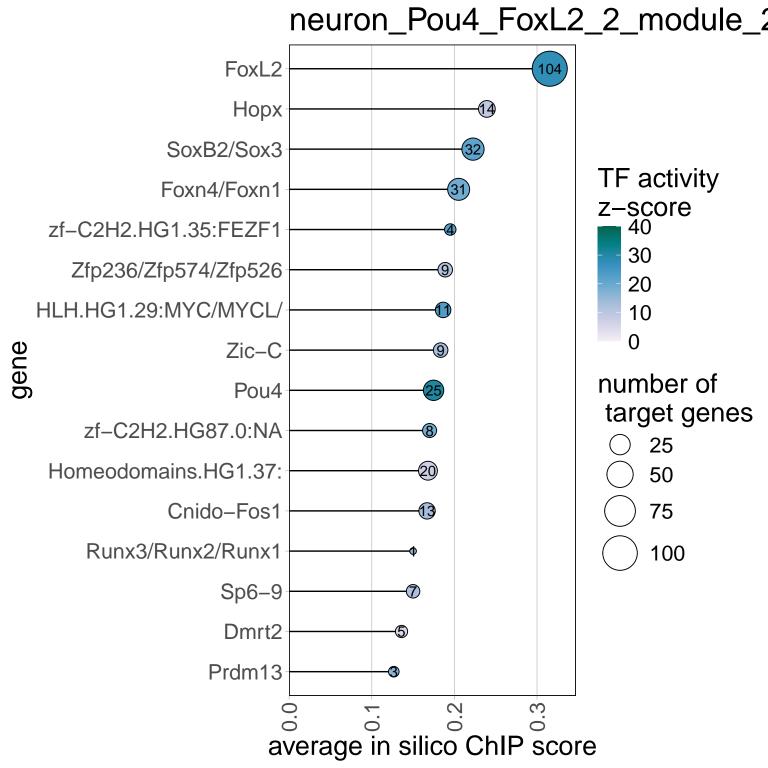


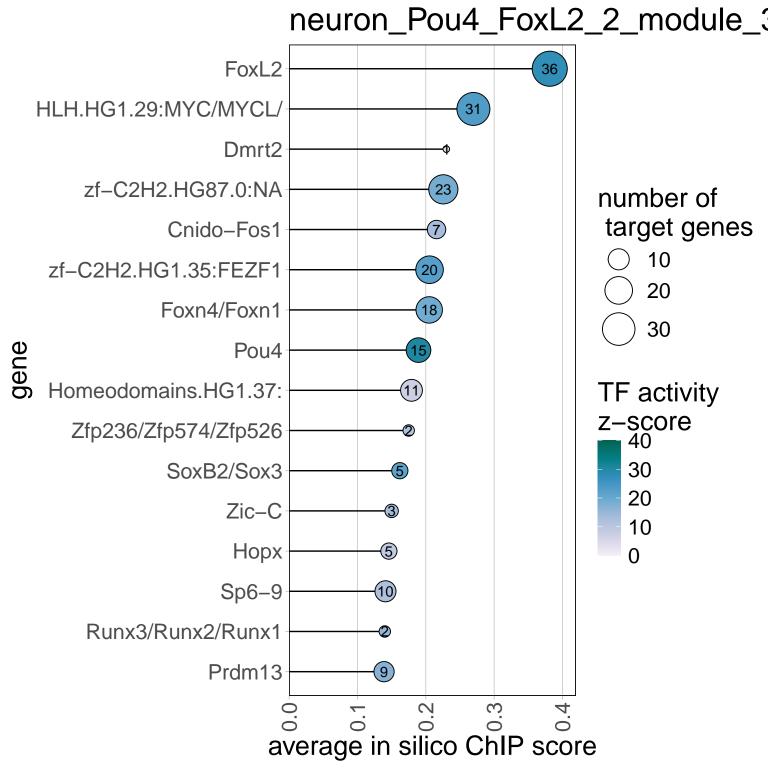


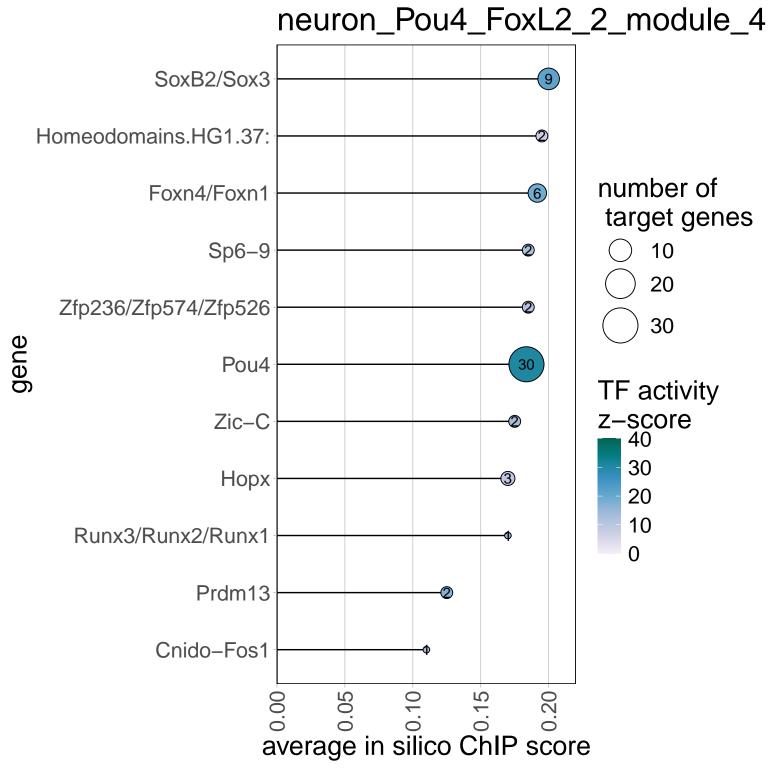


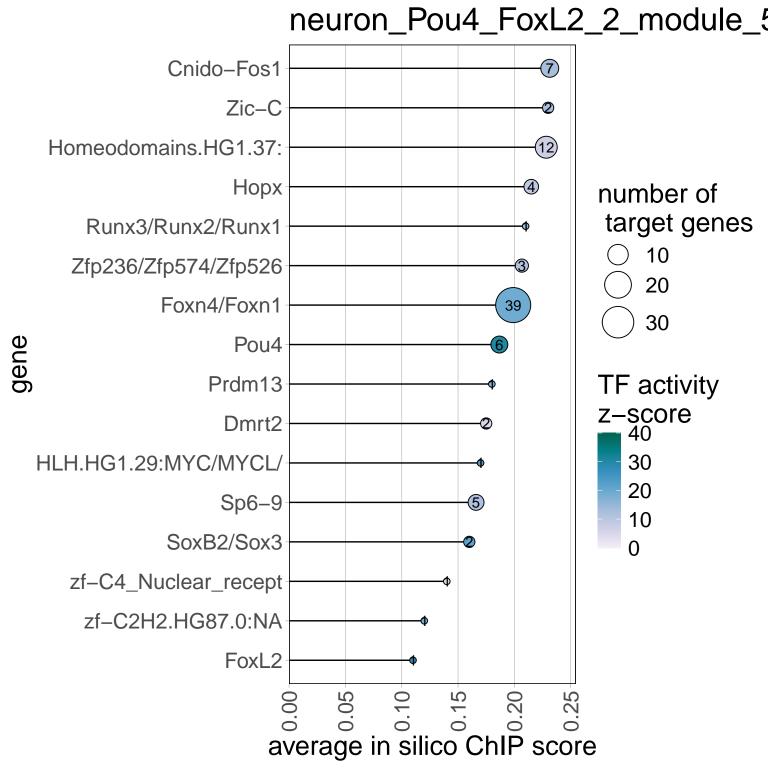


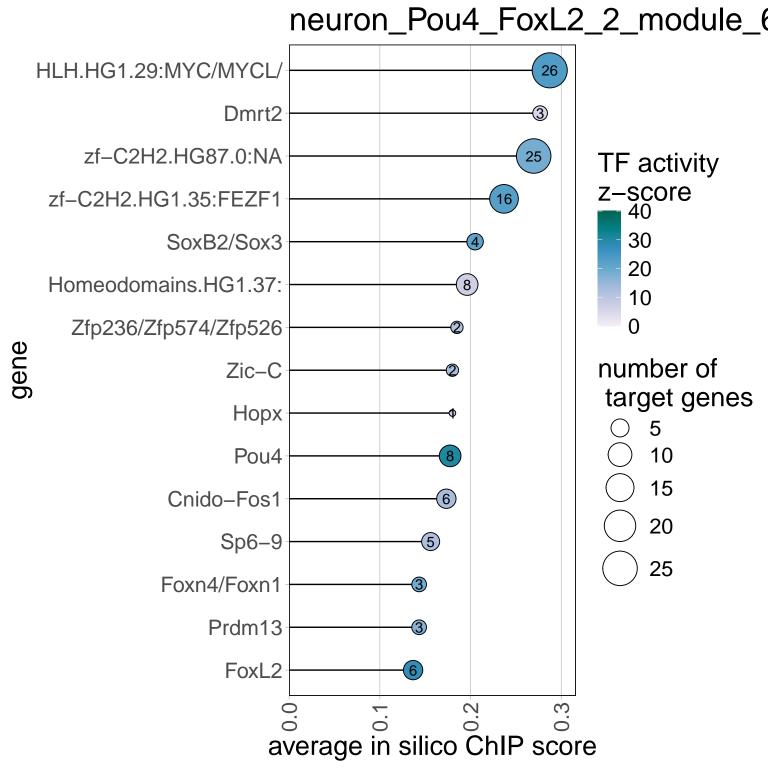


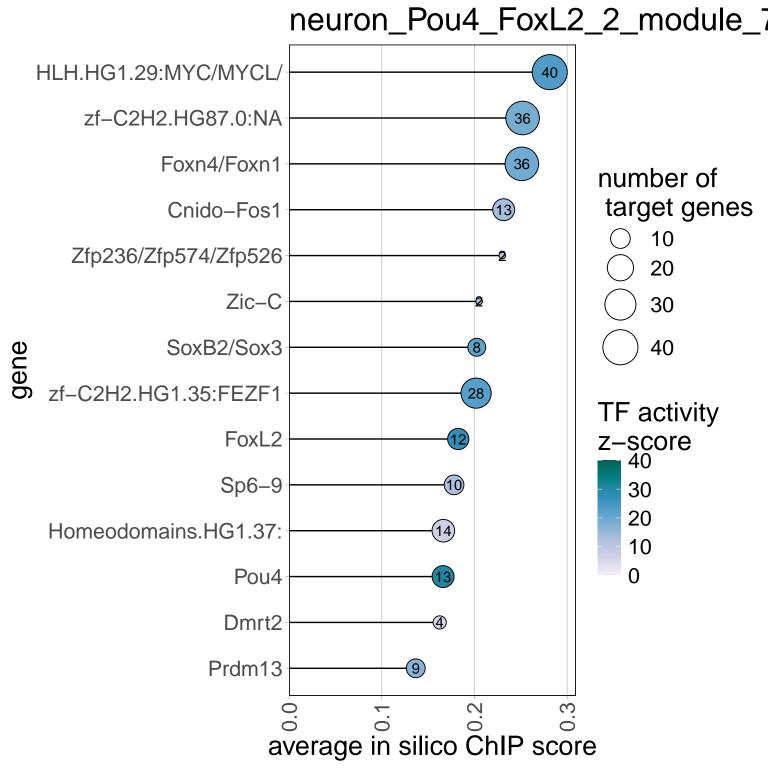


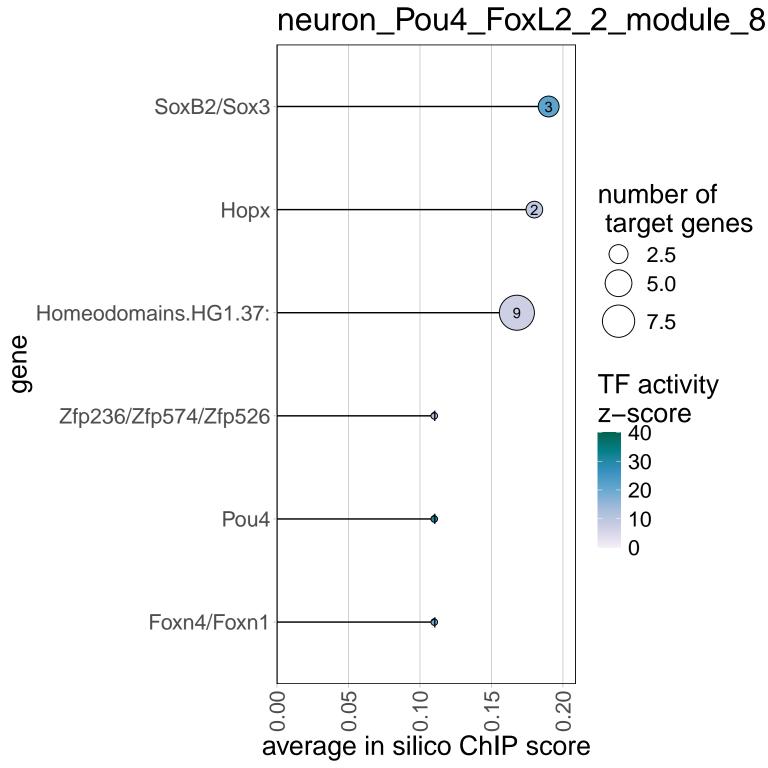


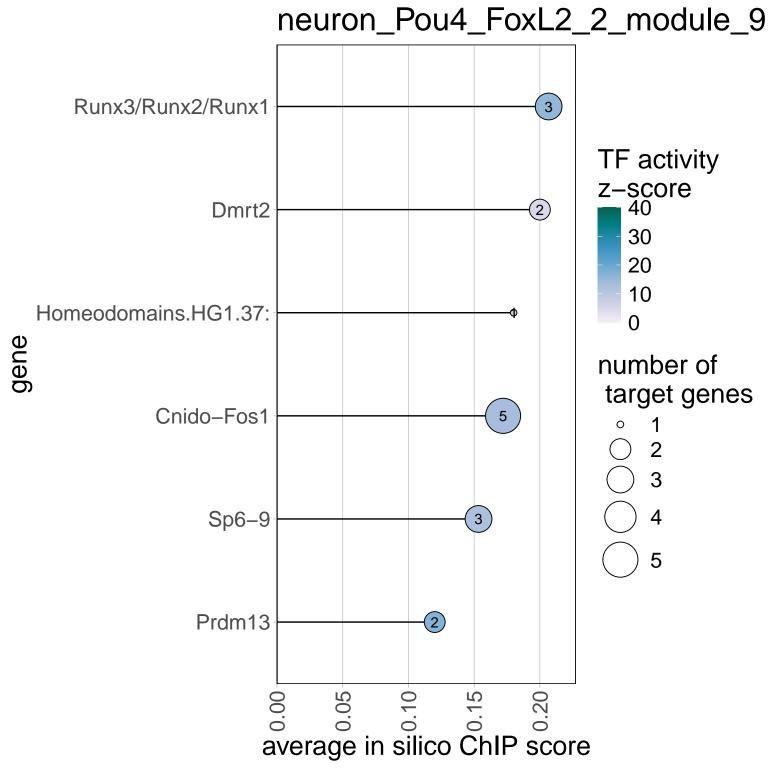


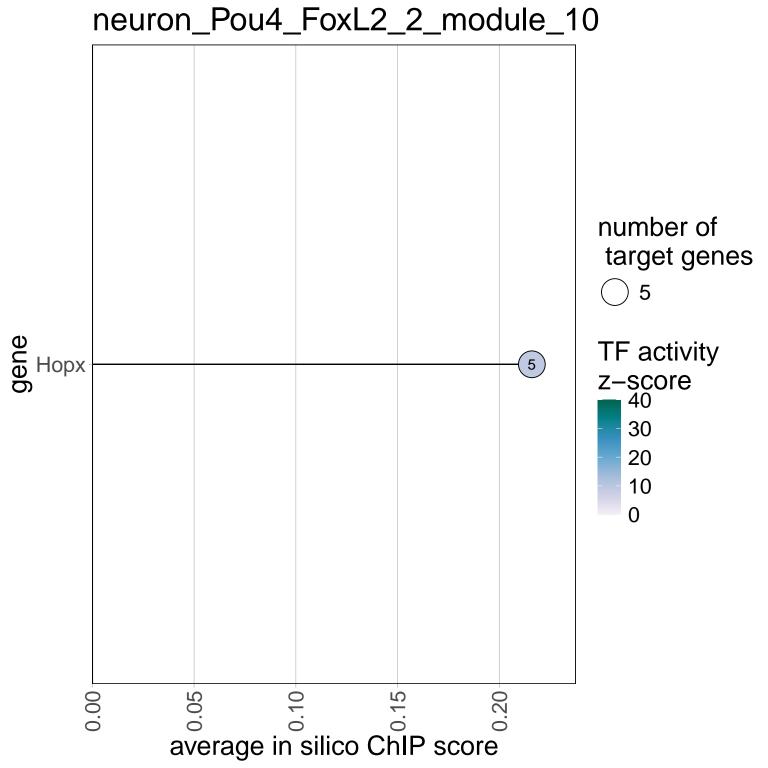


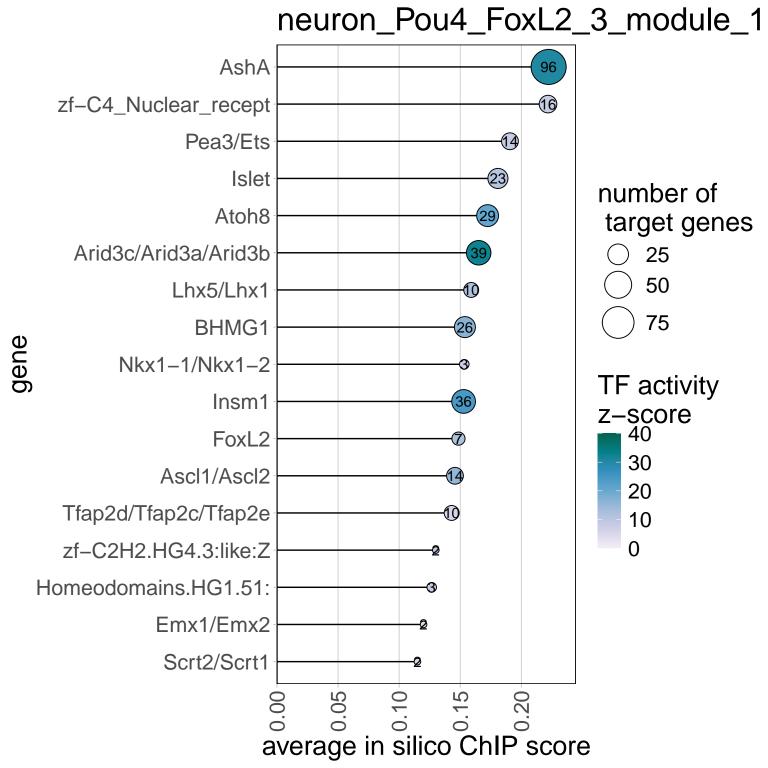


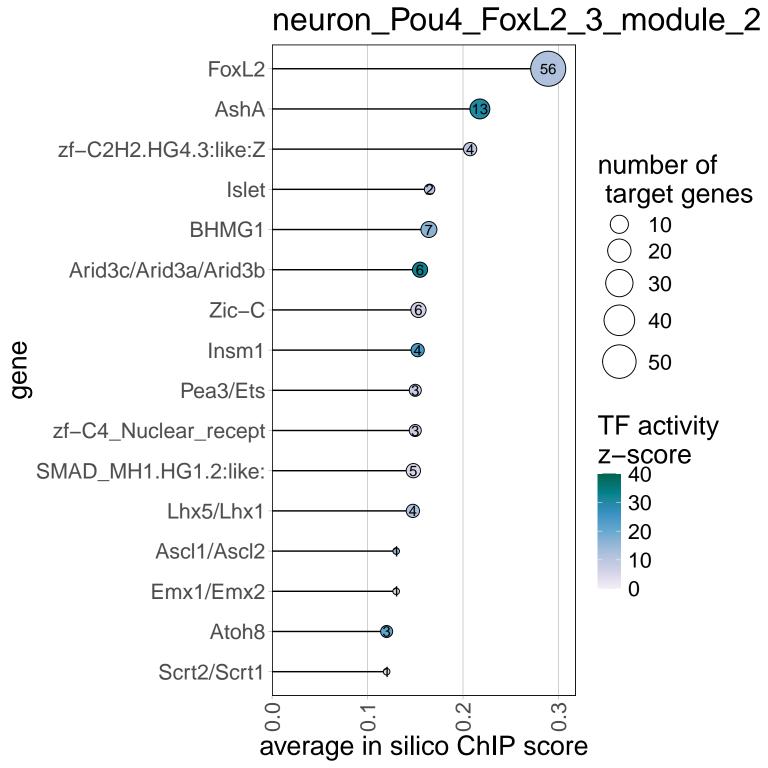


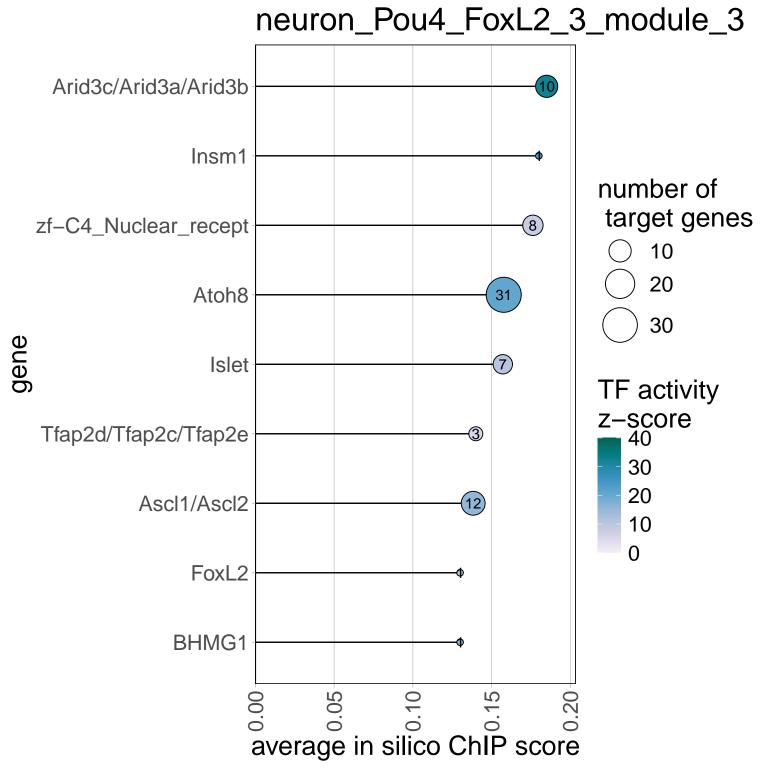


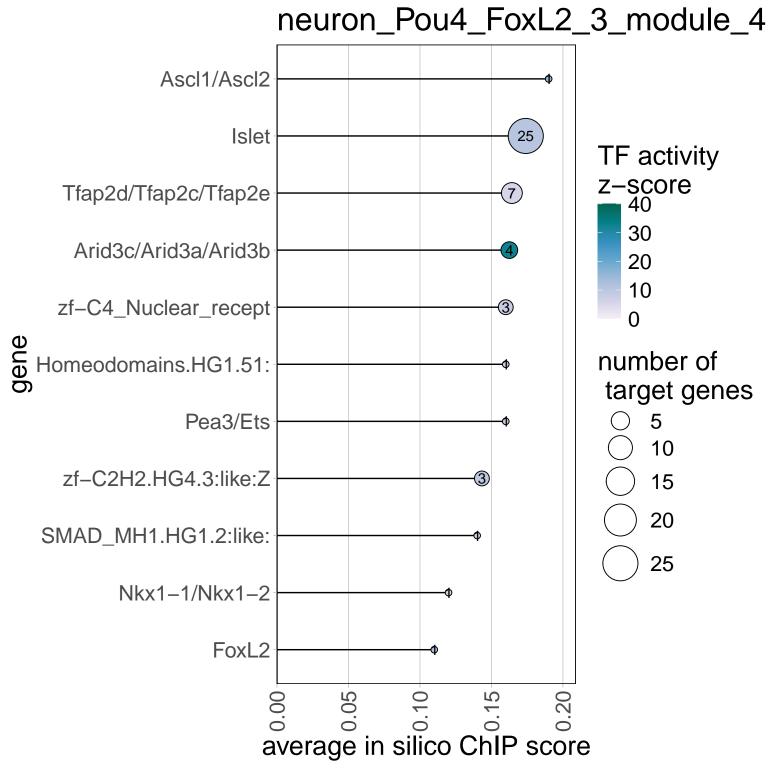


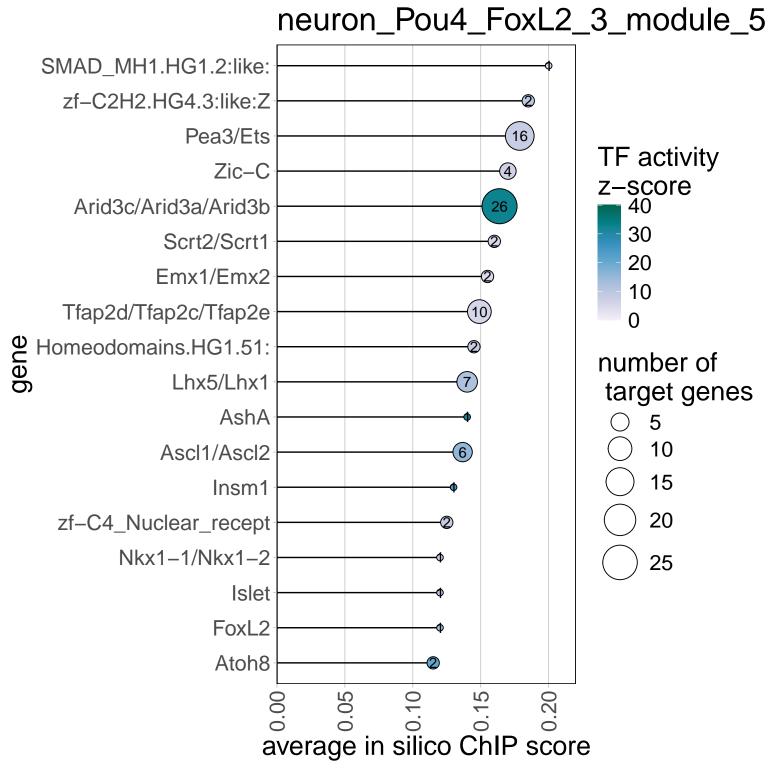


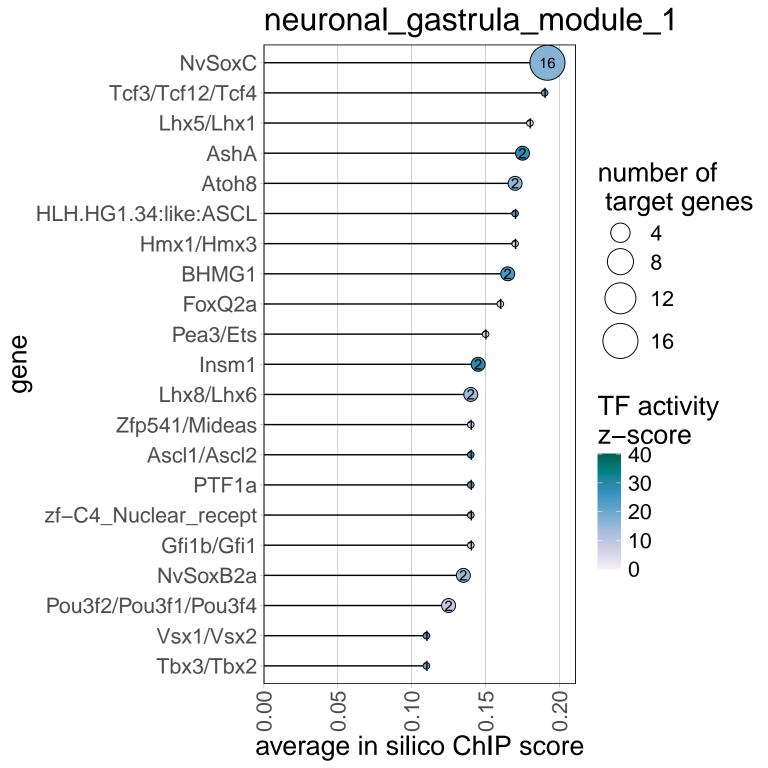




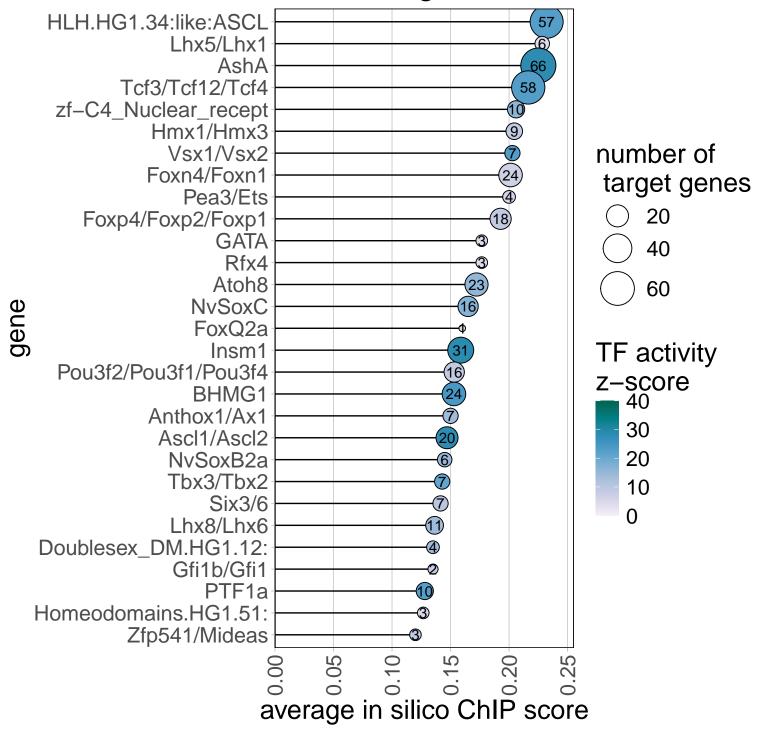






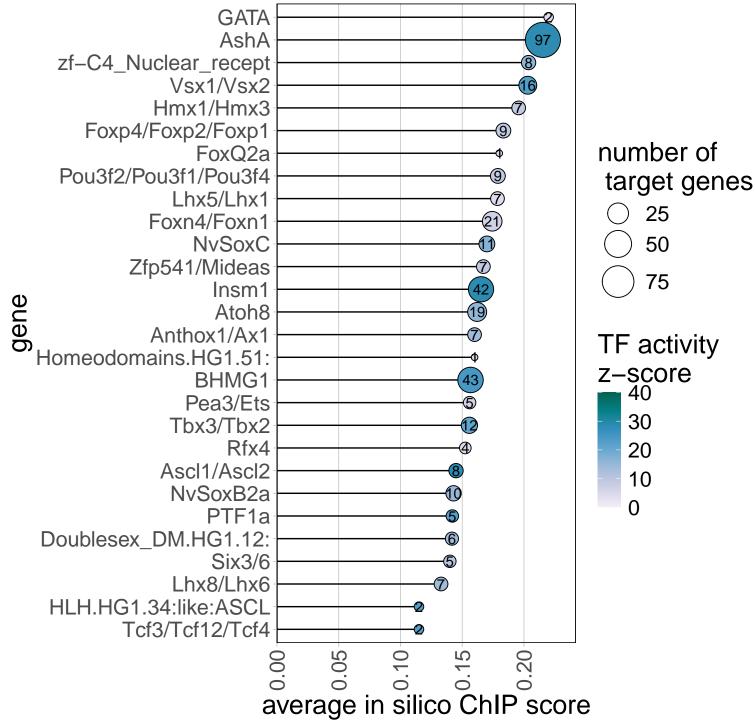


neuronal_gastrula_module_2



neuronal_gastrula_module_3 Lhx5/Lhx1 Pea3/Ets Rfx4 **GATA** HLH.HG1.34:like:ASCL 90 zf-C4_Nuclear_recept number of Tcf3/Tcf12/Tcf4 90 Foxp4/Foxp2/Foxp1 target genes Gfi1b/Gfi1 25 **NvSoxC** 50 **AshA** Atoh8 75 Vsx1/Vsx2 Insm₁ BHMG1 TF activity Foxn4/Foxn1 z-score Hmx1/Hmx3 40 NvSoxB2a 30 Doublesex DM.HG1.12: Lhx8/Lhx6 20 Pou3f2/Pou3f1/Pou3f4 10 FoxQ2a 0 Ascl1/Ascl2 PTF1a Six3/6 Tbx3/Tbx2 Anthox1/Ax1 Zfp541/Mideas average in silico ChIP score

neuronal_gastrula_module_4



neuronal_gastrula_module_5 Rfx4 Vsx1/Vsx2 22 Pea3/Ets Foxp4/Foxp2/Foxp1 **NvSoxC** 5 number of **GATA** Six3/6 15 target genes Doublesex DM.HG1.12: 5 Homeodomains.HG2.36: 10 Lhx8/Lhx6 12 AshA 15 Homeodomains.HG1.51: 20 NvSoxB2a gene 8 zf-C4_Nuclear_recept Hmx1/Hmx3 TF activity Anthox1/Ax1 z-score Gfi1b/Gfi1 40 Tcf3/Tcf12/Tcf4

