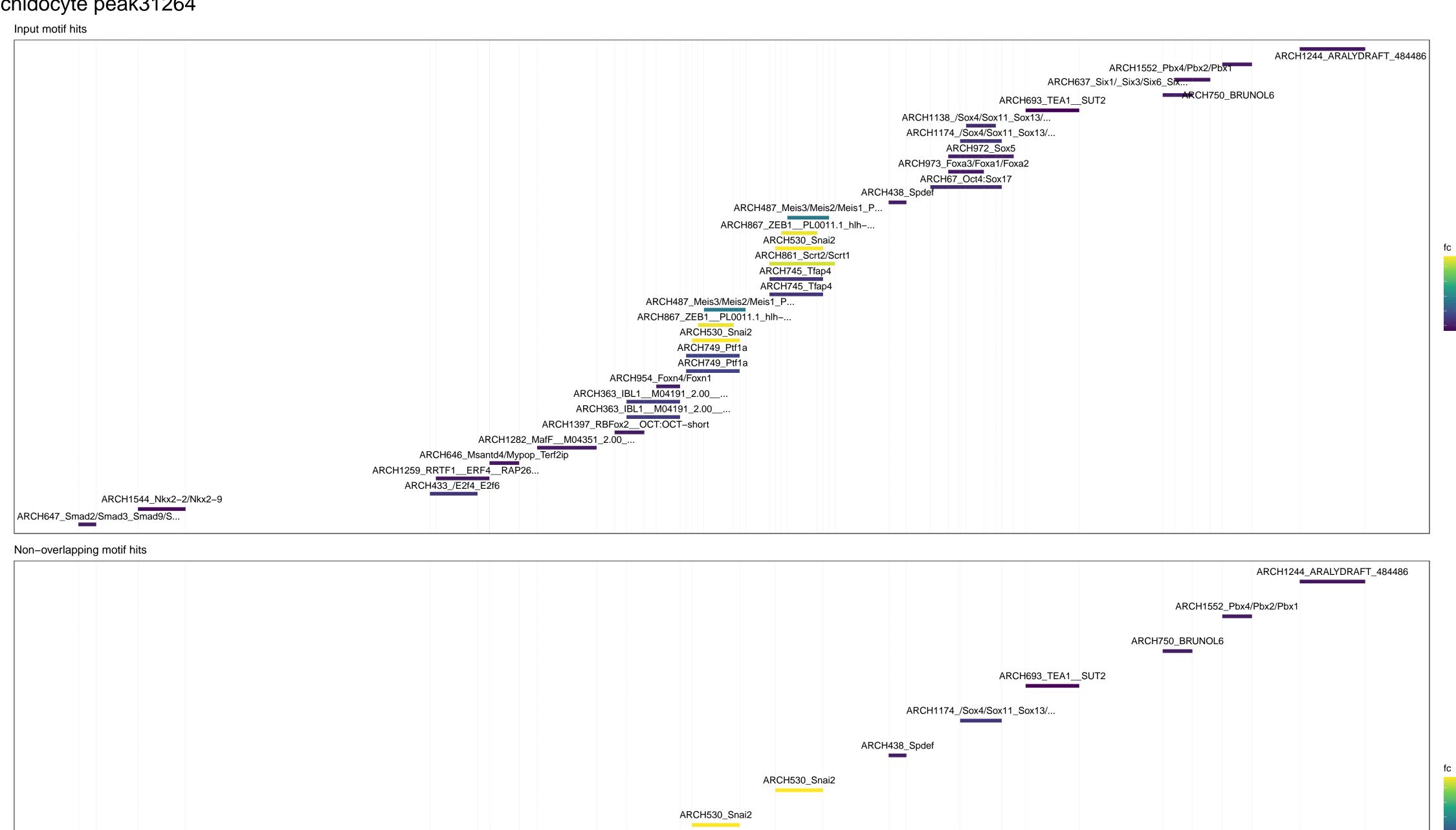


genomic position

ARCH1544_Nkx2-2/Nkx2-9

ARCH647_Smad2/Smad3_Smad9/S...



genomic position

ARCH363_IBL1__M04191_2.00__...

ARCH1282_MafF__M04351_2.00_...

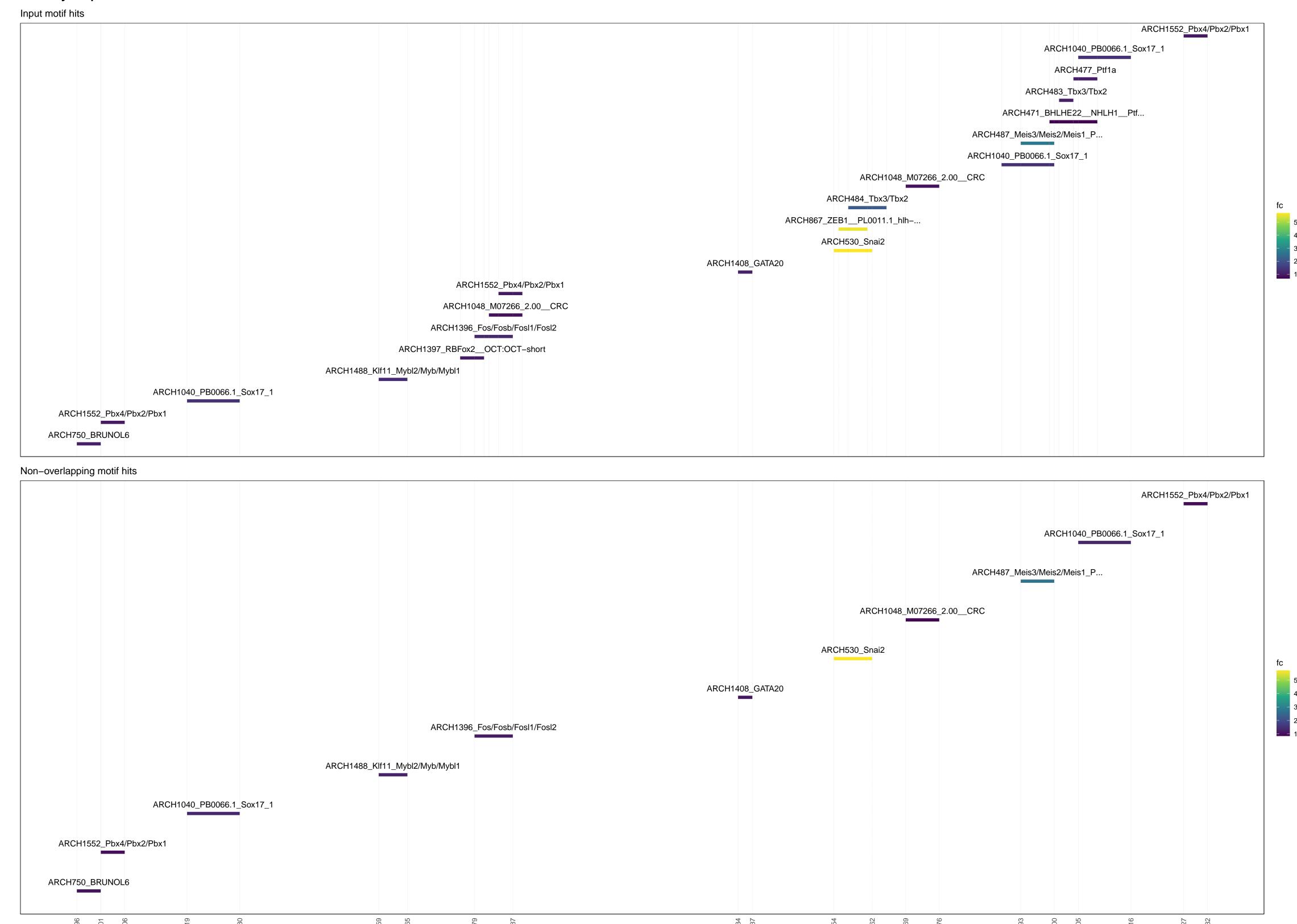
ARCH646_Msantd4/Mypop_Terf2ip

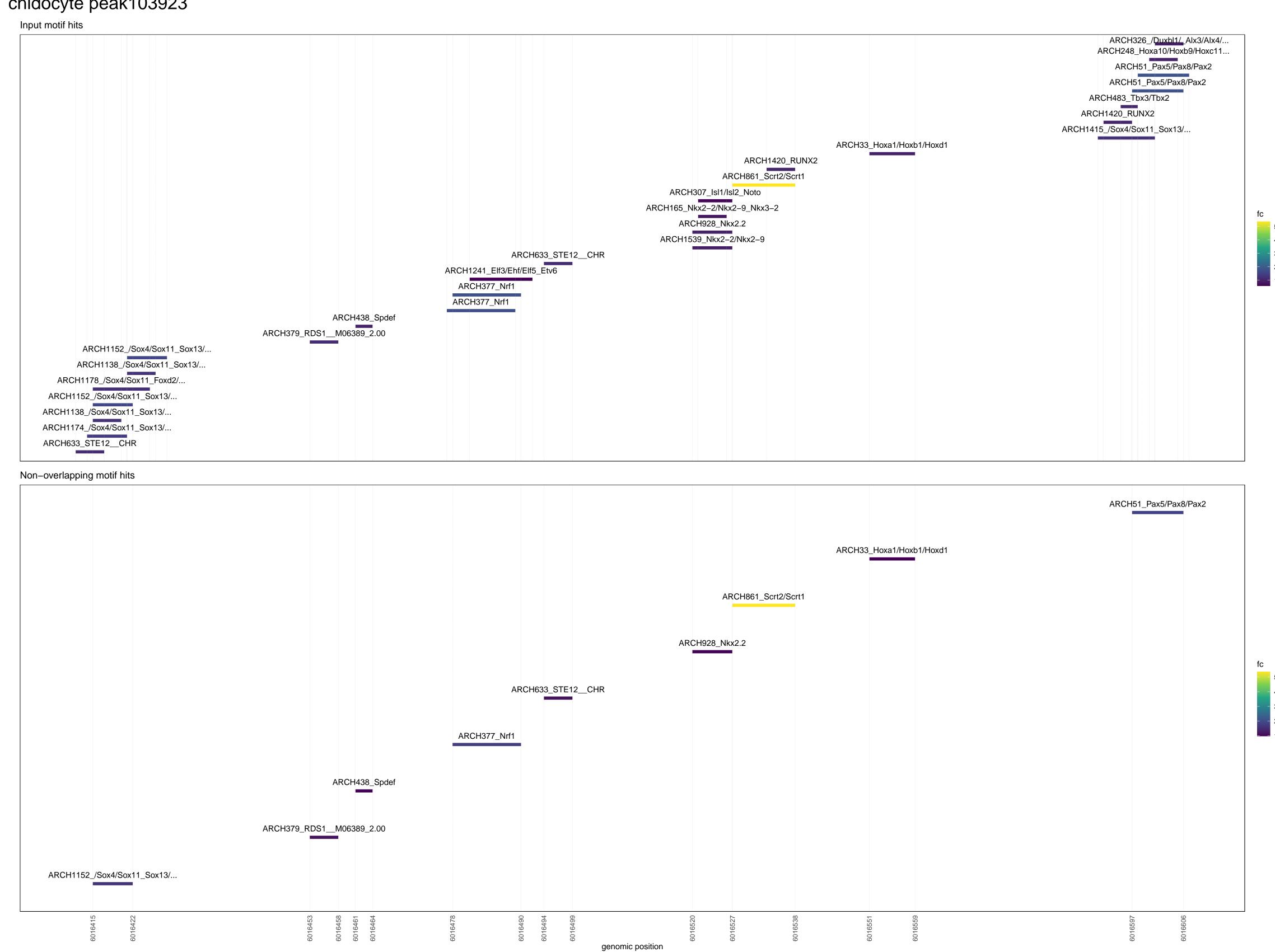
ARCH433_/E2f4_E2f6

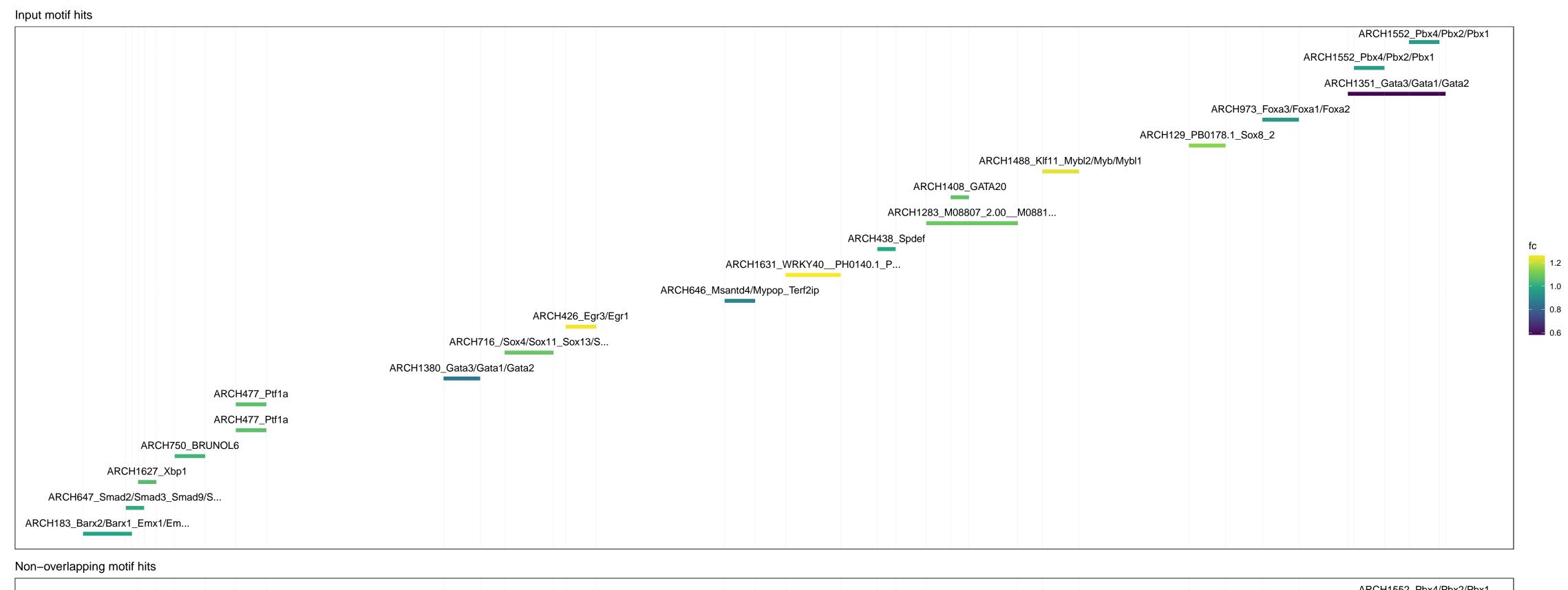
cnidocyte peak90305 Input motif hits ARCH483_Tbx3/Tbx2 ARCH647_Smad2/Smad3_Smad9/S... ARCH477_Ptf1a ARCH1103_M09140_2.00__M0918... ARCH33_Hoxa1/Hoxb1/Hoxd1 ARCH359_/E2f4_E2f6_Sp6/Sp5_... ARCH638_FZF1__MYB55 ARCH484_Tbx3/Tbx2 1.5 ARCH33_Hoxa1/Hoxb1/Hoxd1 - 1.2 ARCH1152_/Sox4/Sox11_Sox13/... ARCH1138_/Sox4/Sox11_Sox13/... ARCH1040_PB0066.1_Sox17_1 ARCH445_M03750_2.00__M03751... ARCH1553_Meis3/Meis2/Meis1_... ARCH1547_FOXB1 ARCH17_Alx3/Alx4/Alx1_Barx2... Non-overlapping motif hits ARCH483_Tbx3/Tbx2 ARCH647_Smad2/Smad3_Smad9/S... ARCH477_Ptf1a ARCH1103_M09140_2.00__M0918... ARCH484_Tbx3/Tbx2 1.8 1.5 ARCH1152_/Sox4/Sox11_Sox13/... - 1.2 ARCH445_M03750_2.00__M03751... ARCH1553_Meis3/Meis2/Meis1_...

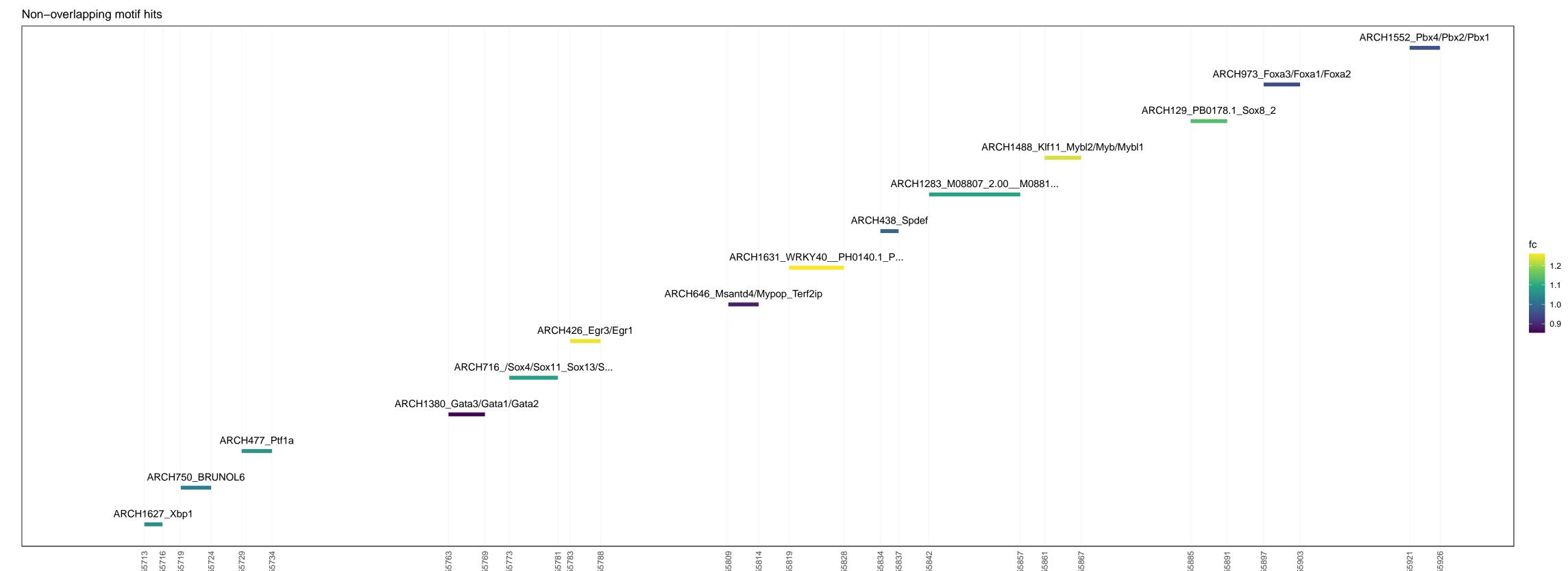
ARCH1547_FOXB1

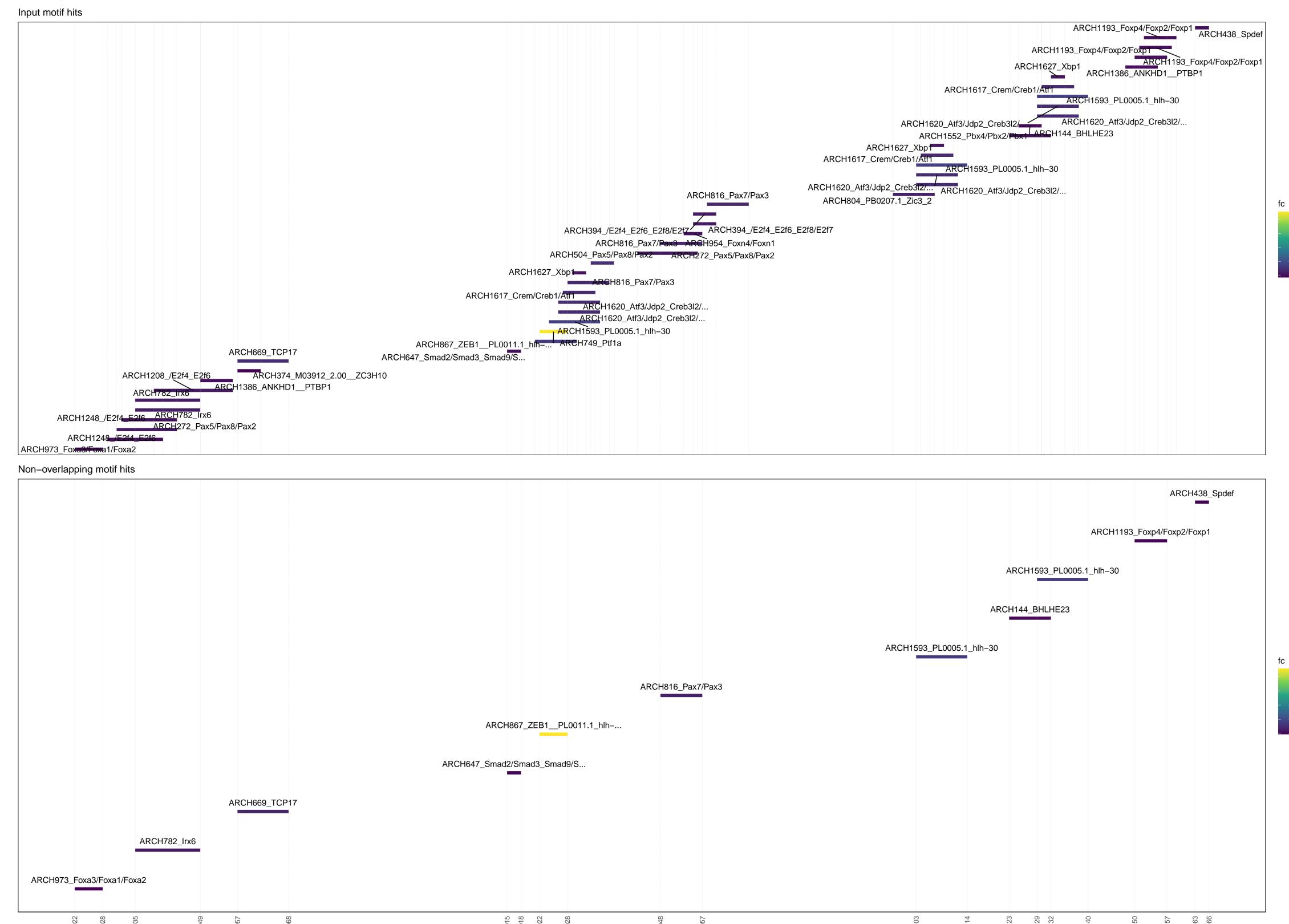
ARCH17_Alx3/Alx4/Alx1_Barx2...

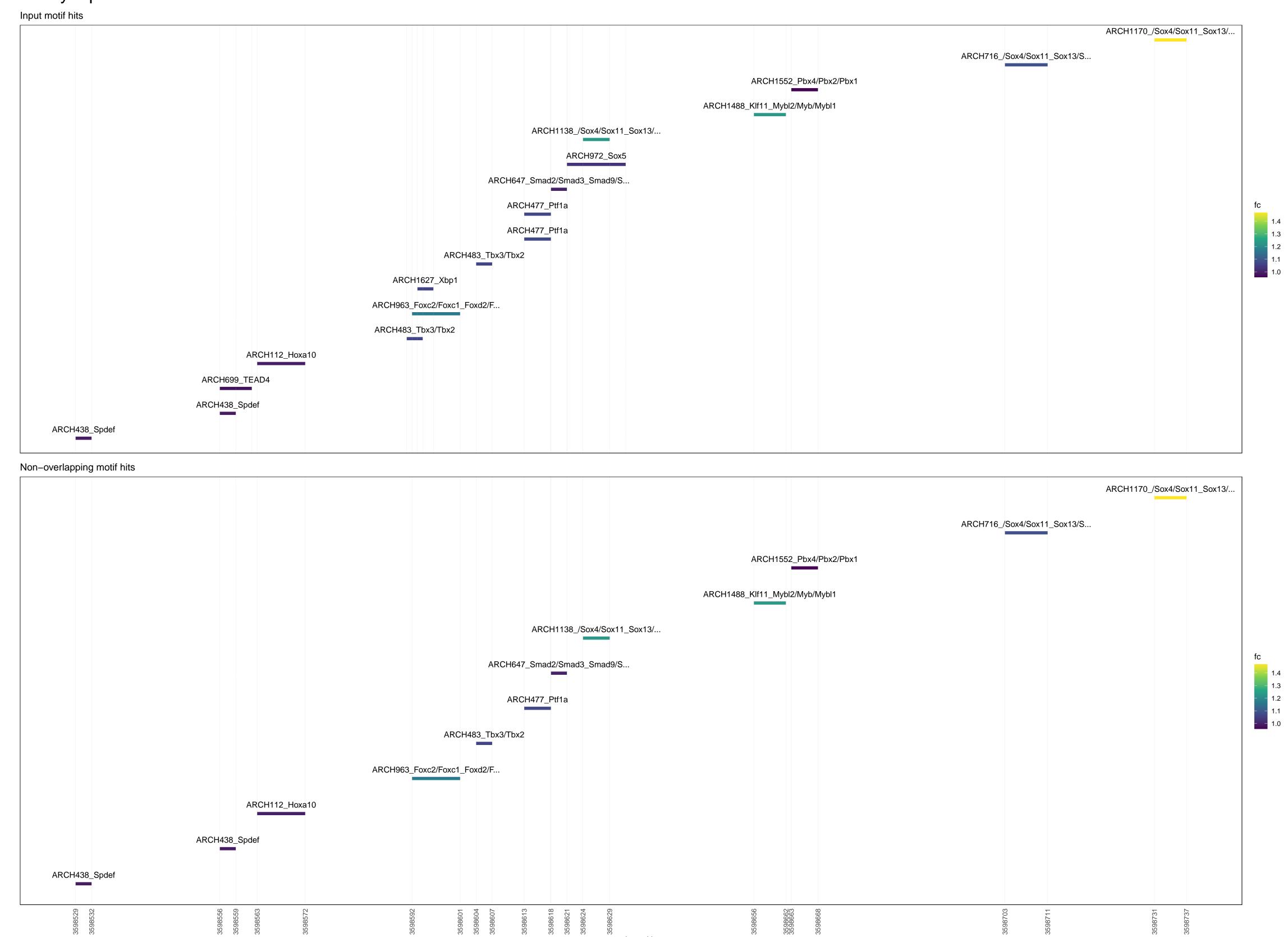


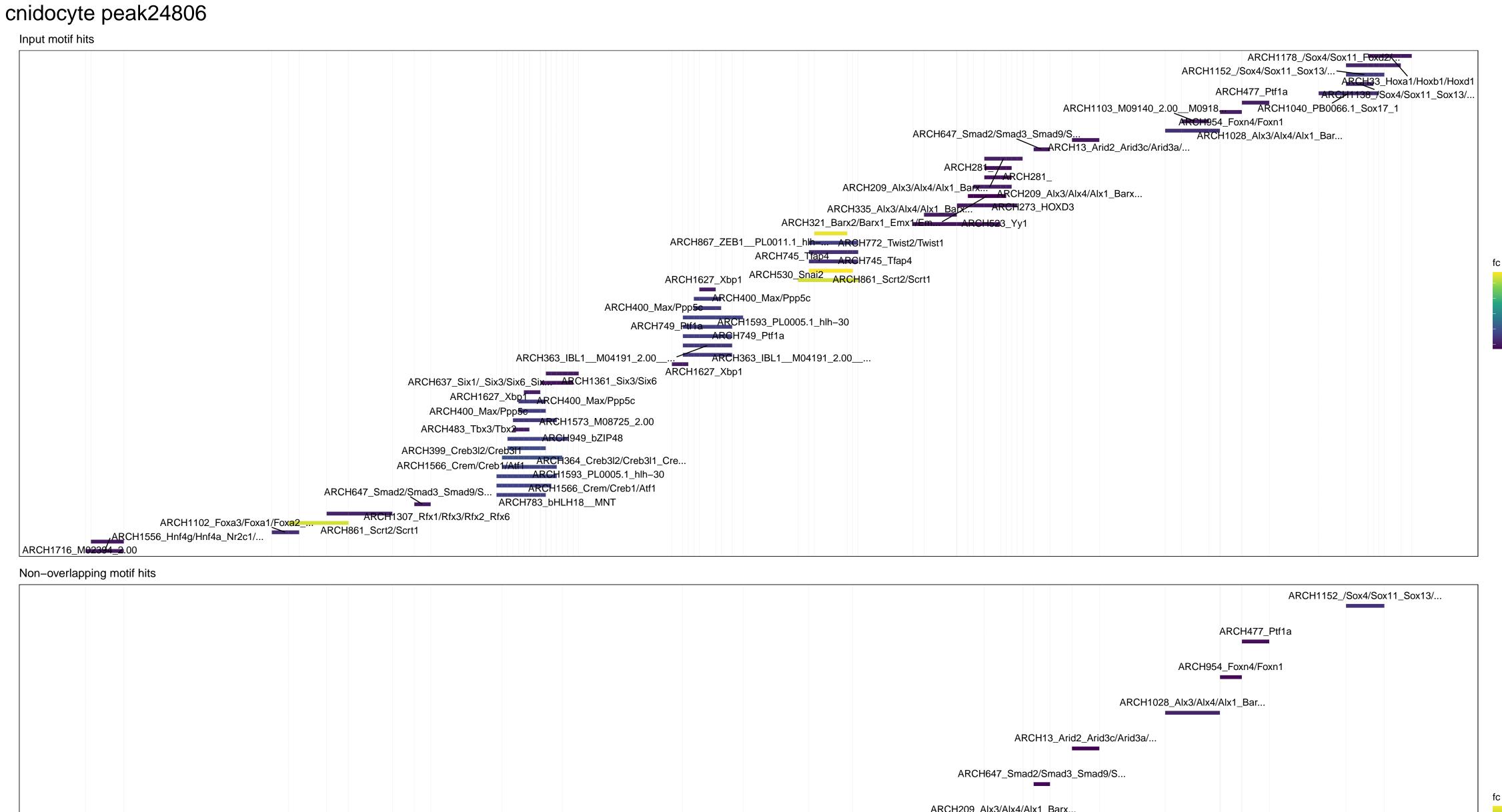


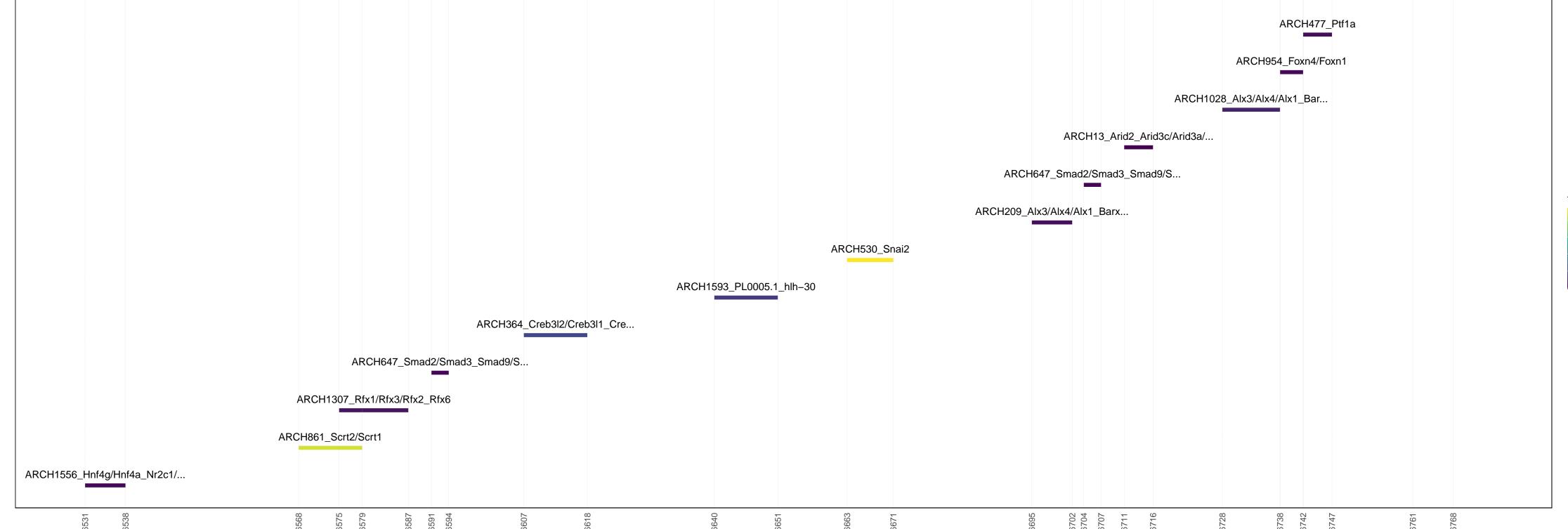


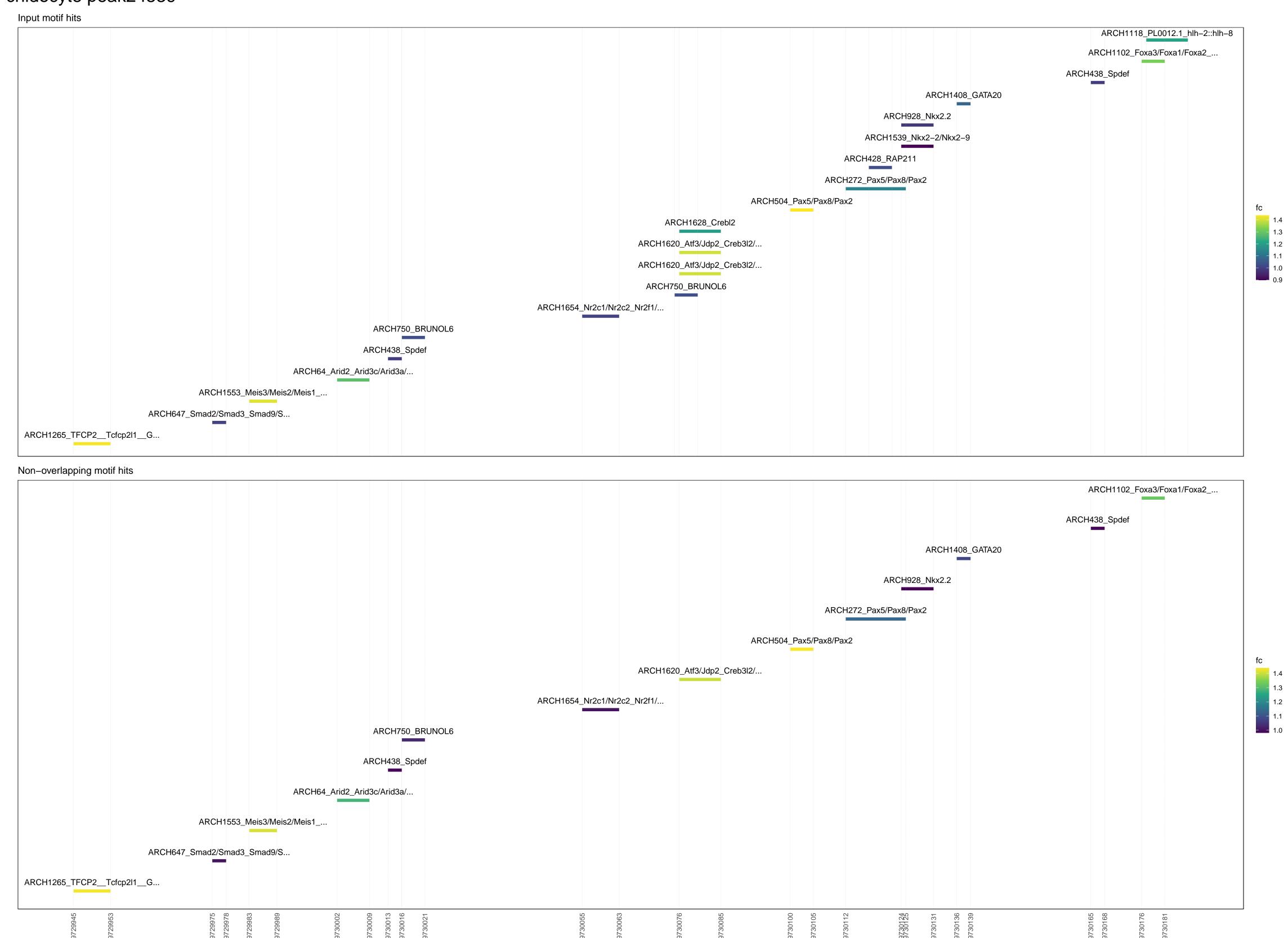




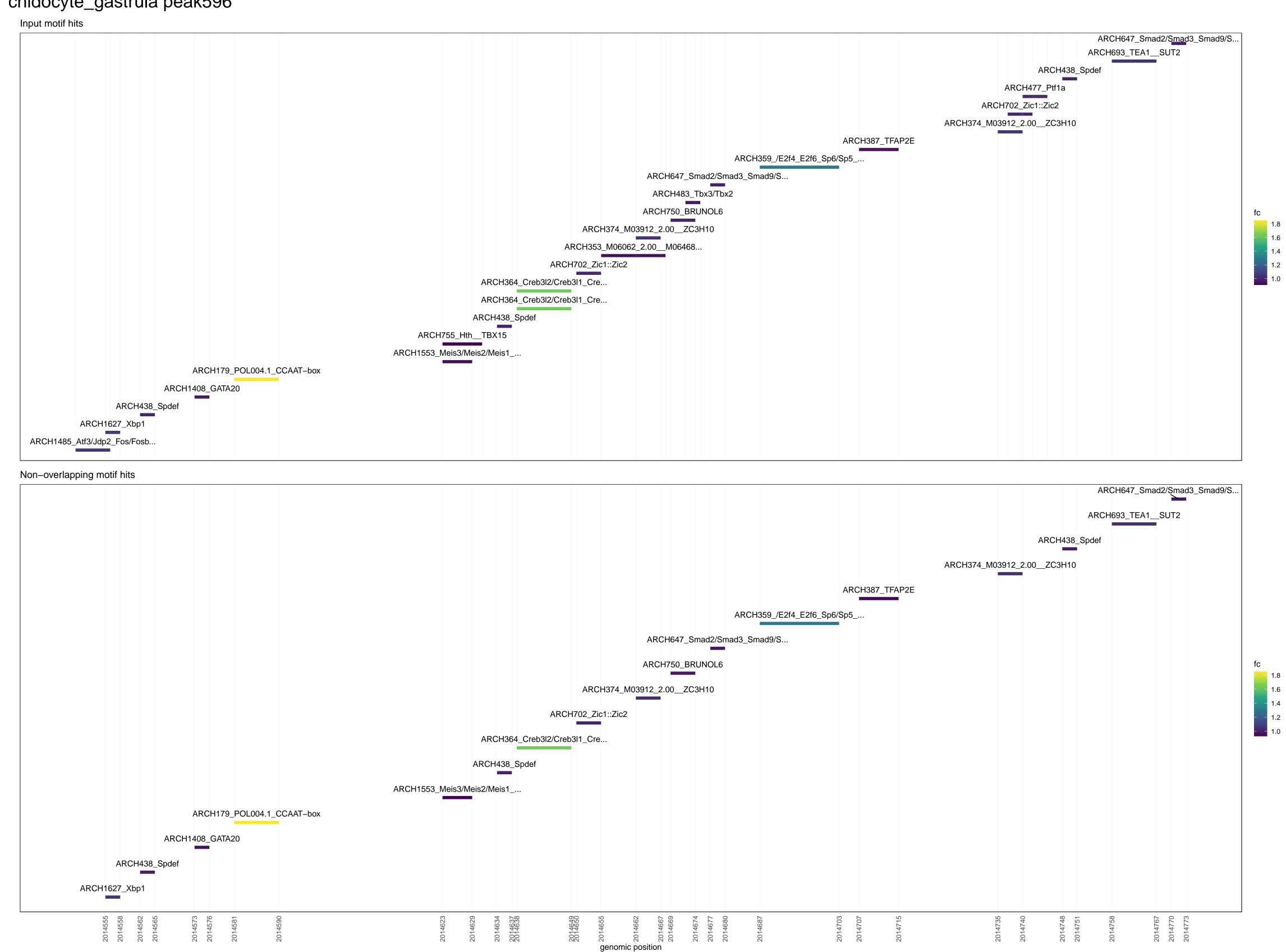




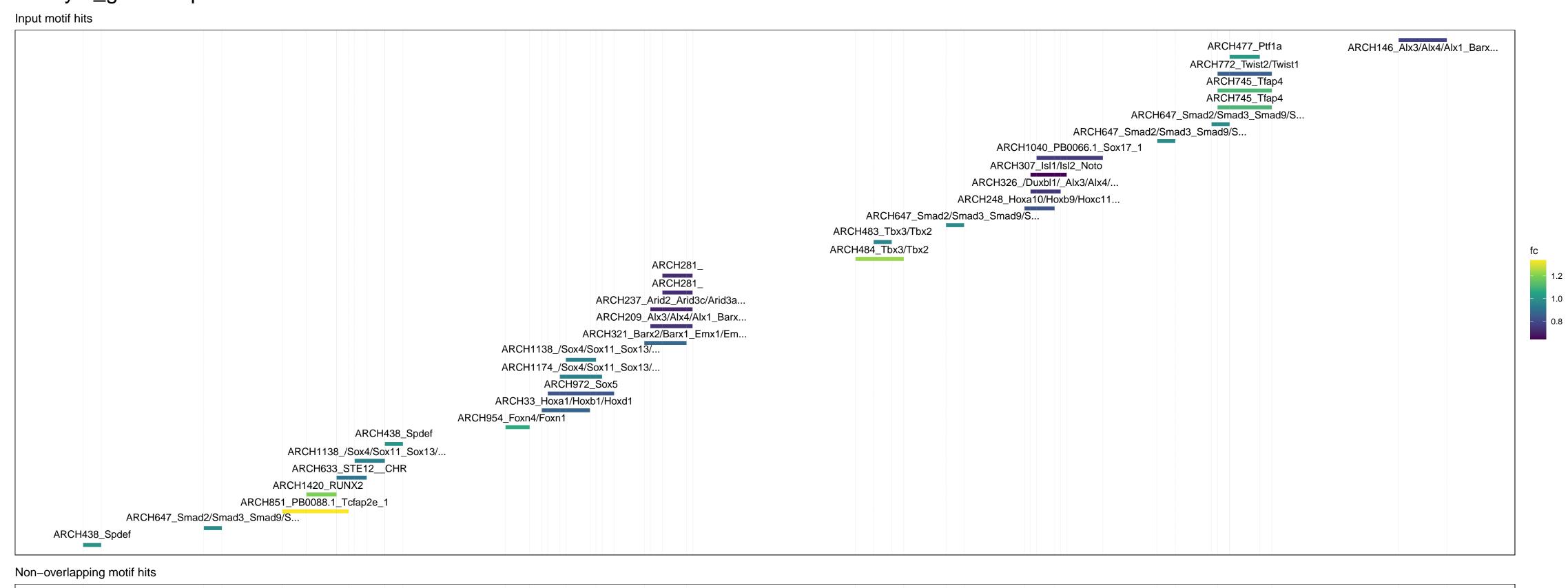


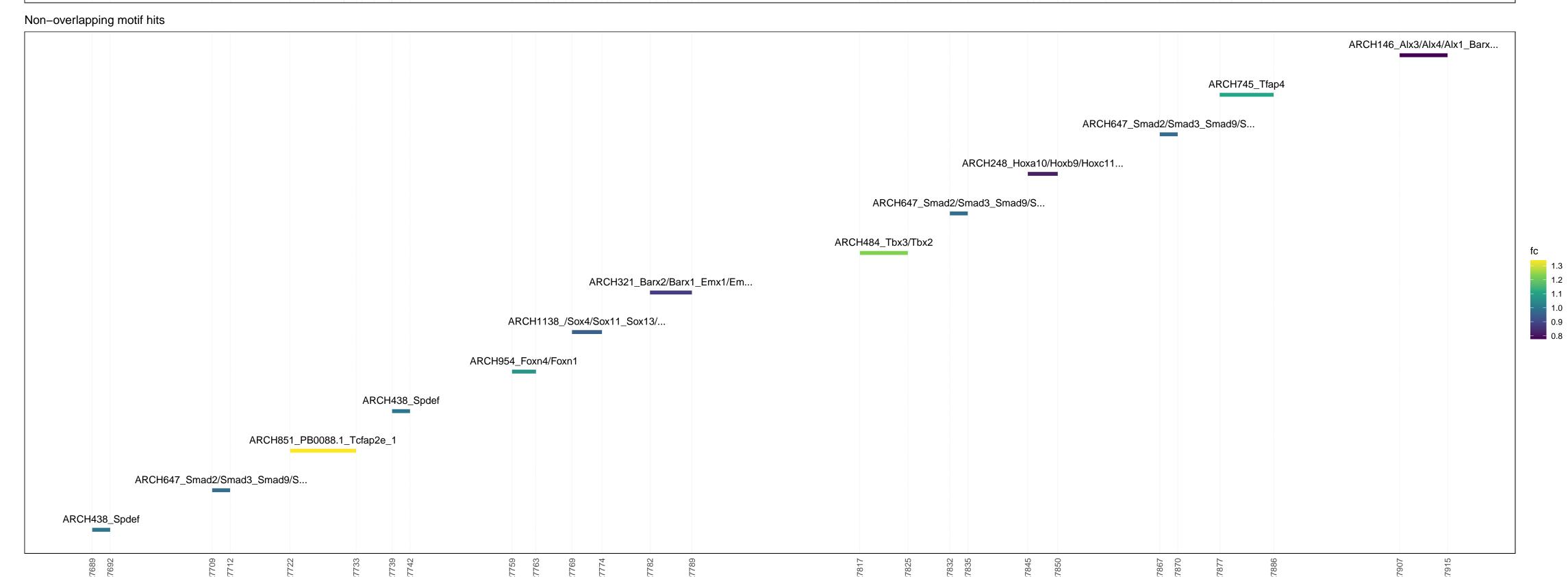


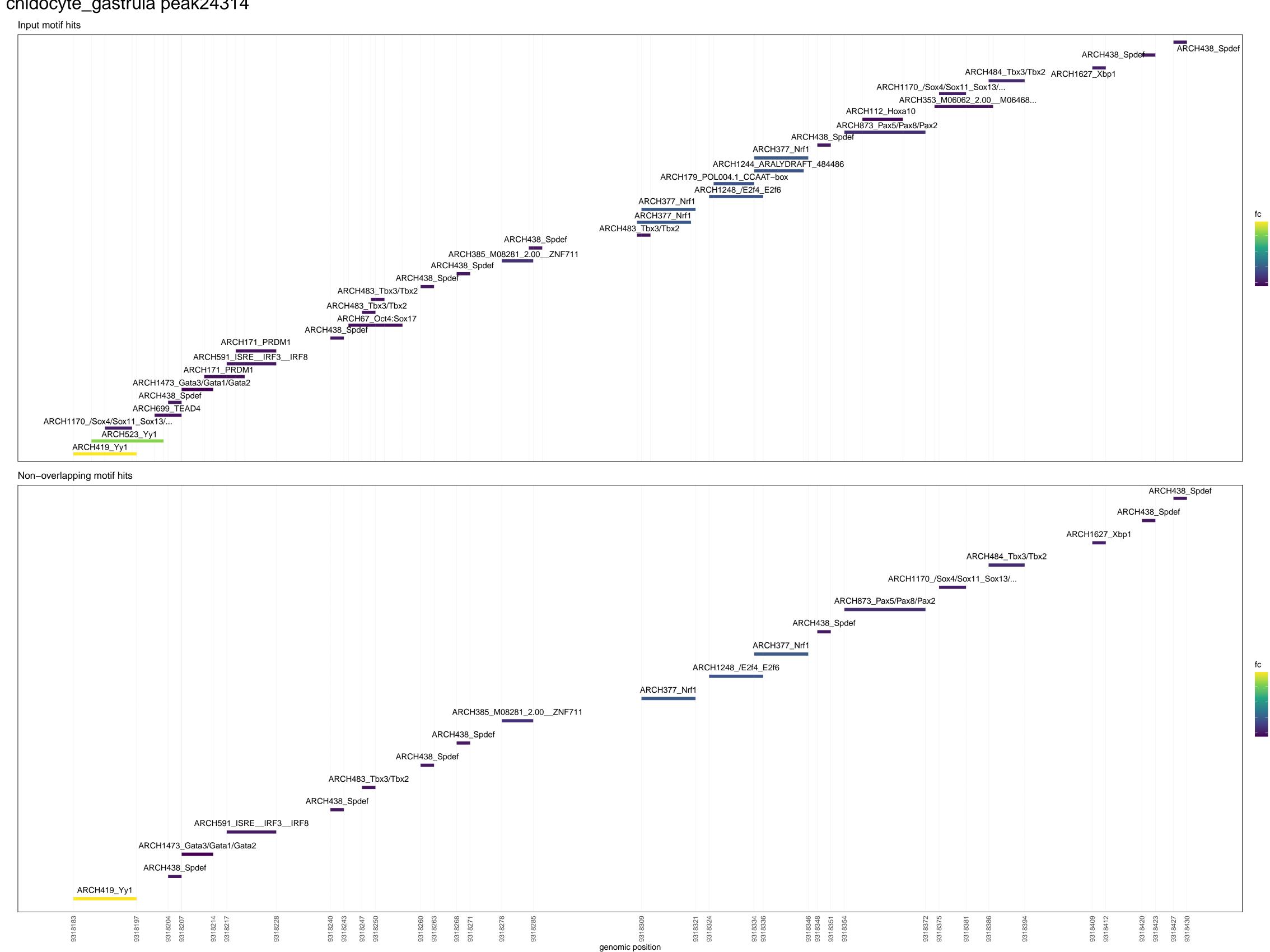
genomic position

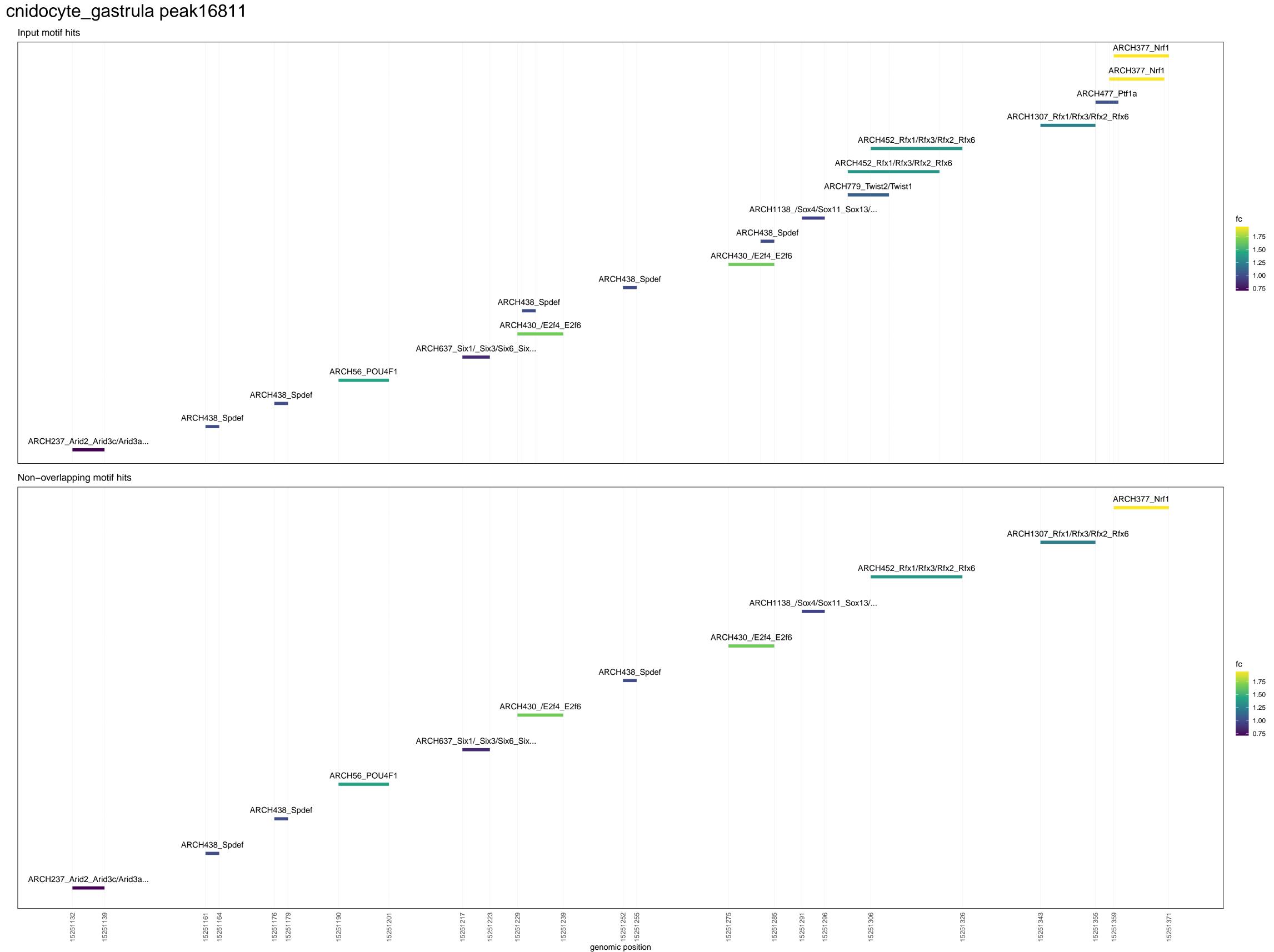


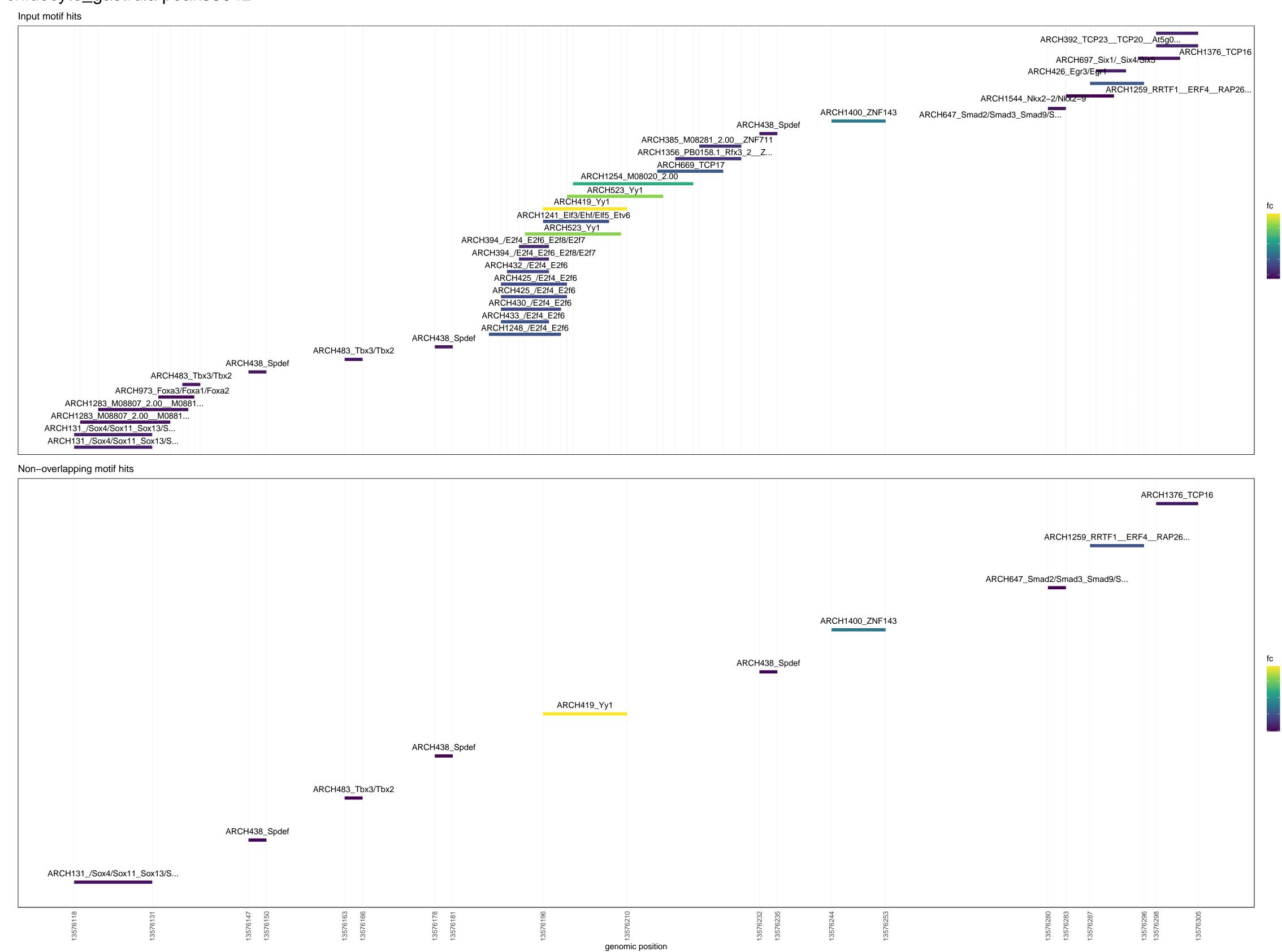
cnidocyte_gastrula peak49589 Input motif hits ARCH112_Hoxa10 ARCH1276_Gata3/Gata1/Gata2 ARCH1356_PB0158.1_Rfx3_2__Z... ARCH1040_PB0066.1_Sox17_1 ARCH438_Spdef ARCH335_Alx3/Alx4/Alx1_Barx... ARCH321_Barx2/Barx1_Emx1/Em... ARCH428_RAP211 ARCH483_Tbx3/Tbx2 ARCH647_Smad2/Smad3_Smad9/S... 1.2 ARCH539_PL0004.1_hlh-27 1.0 ARCH483_Tbx3/Tbx2 0.9 ARCH483_Tbx3/Tbx2 ARCH13_Arid2_Arid3c/Arid3a/... ARCH1193_Foxp4/Foxp2/Foxp1 ARCH1193_Foxp4/Foxp2/Foxp1 ARCH1193_Foxp4/Foxp2/Foxp1 ARCH1386_ANKHD1__PTBP1 ARCH438_Spdef ARCH551_Elf3/Ehf/Elf5_Etv6 ARCH248_Hoxa10/Hoxb9/Hoxc11... Non-overlapping motif hits ARCH1356_PB0158.1_Rfx3_2__Z... ARCH1040_PB0066.1_Sox17_1 ARCH438_Spdef ARCH321_Barx2/Barx1_Emx1/Em... ARCH428_RAP211 ARCH483_Tbx3/Tbx2 1.2 ARCH647_Smad2/Smad3_Smad9/S... 1.1 1.0 - 0.9 ARCH539_PL0004.1_hlh-27 ARCH483_Tbx3/Tbx2 ARCH483_Tbx3/Tbx2 ARCH1386_ANKHD1__PTBP1 ARCH551_Elf3/Ehf/Elf5_Etv6 ARCH248_Hoxa10/Hoxb9/Hoxc11...

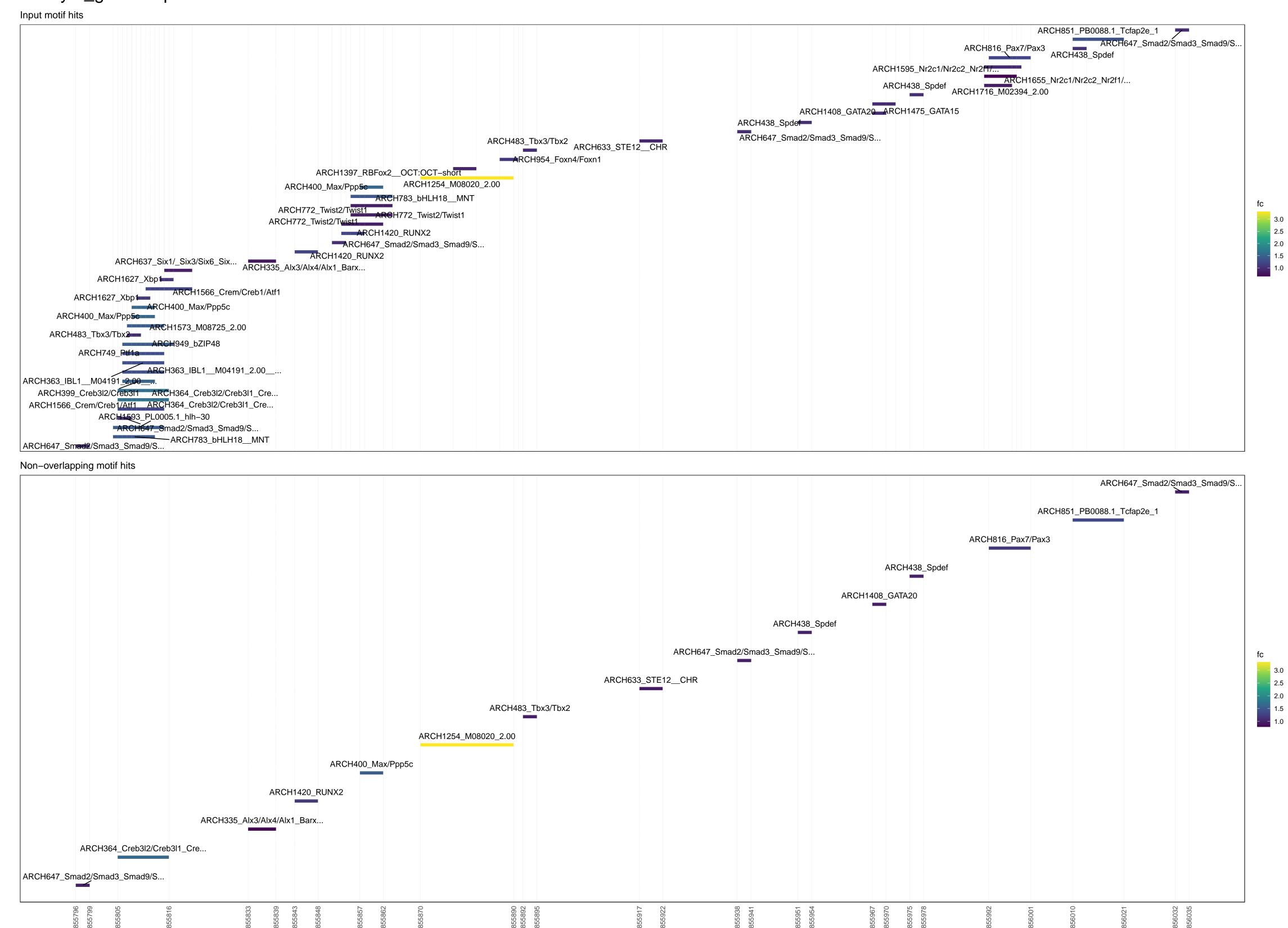




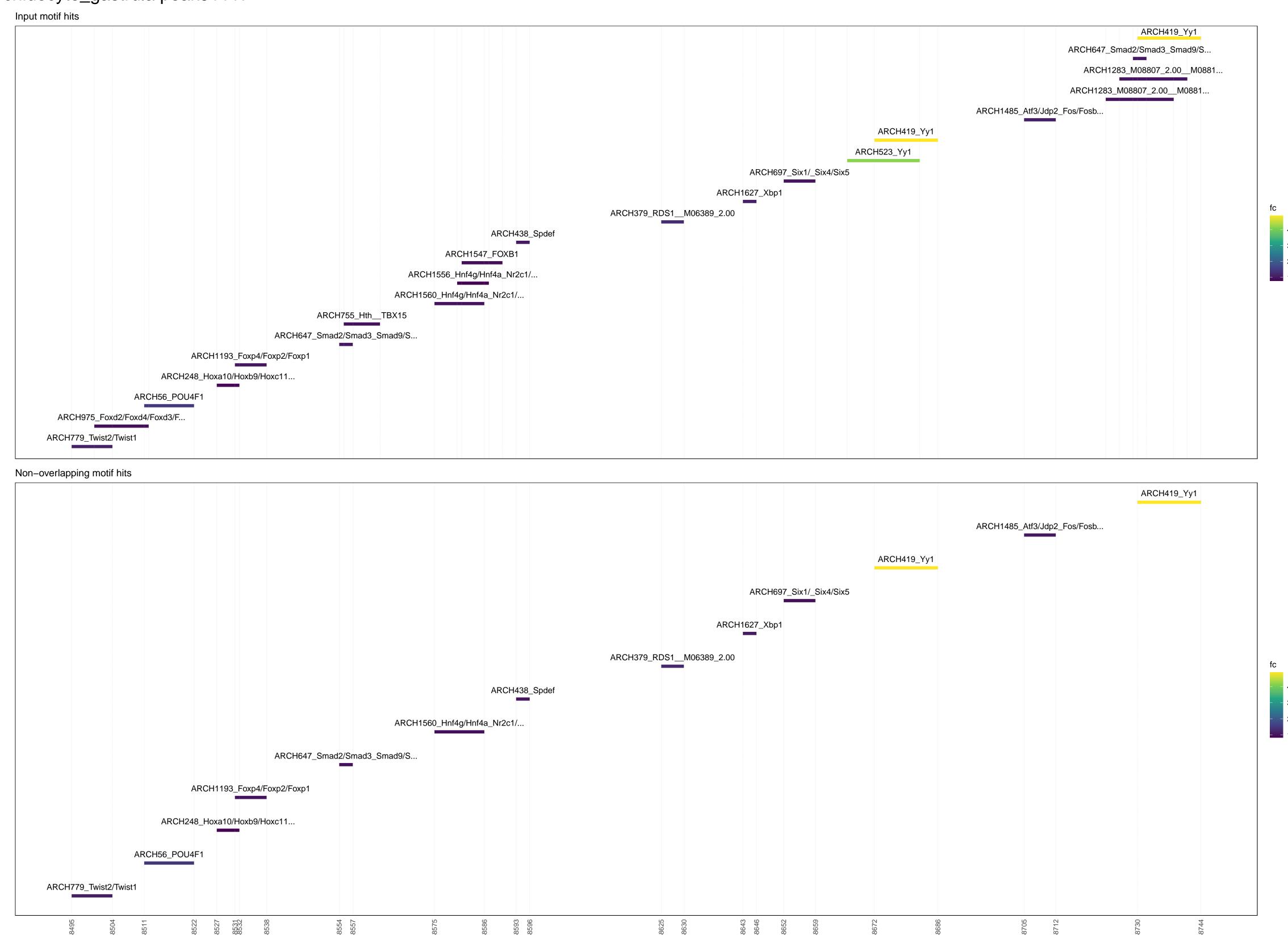


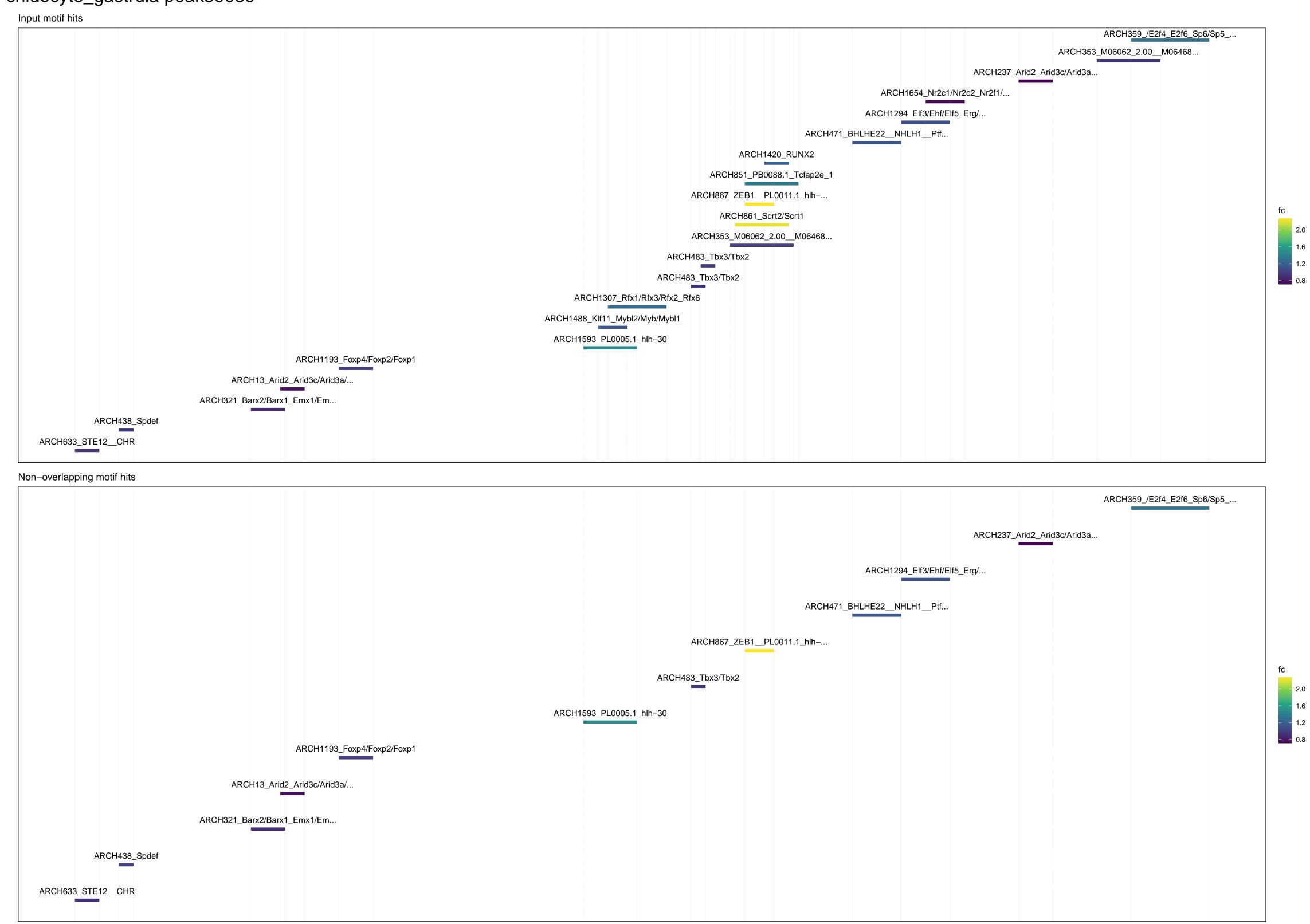


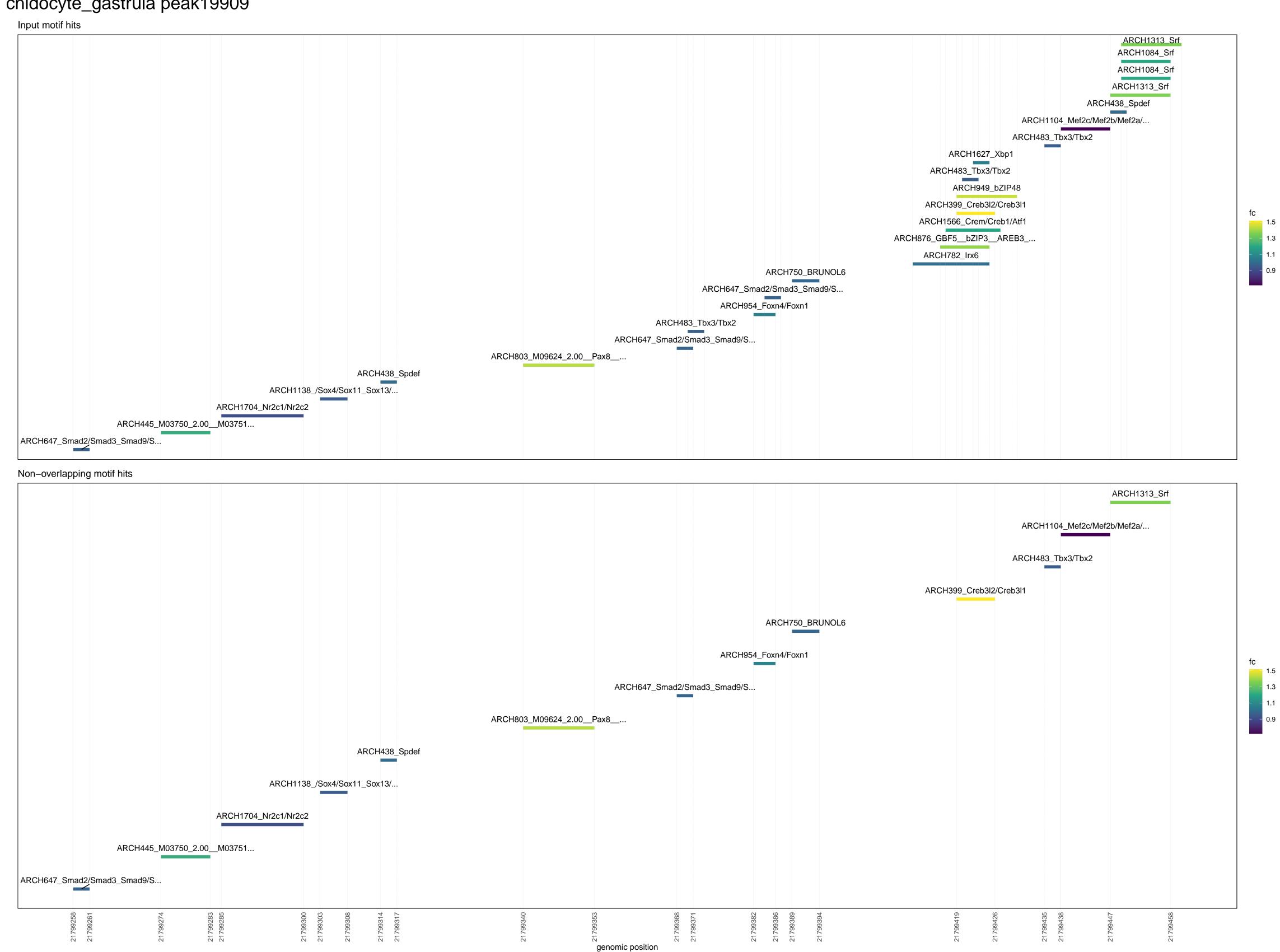


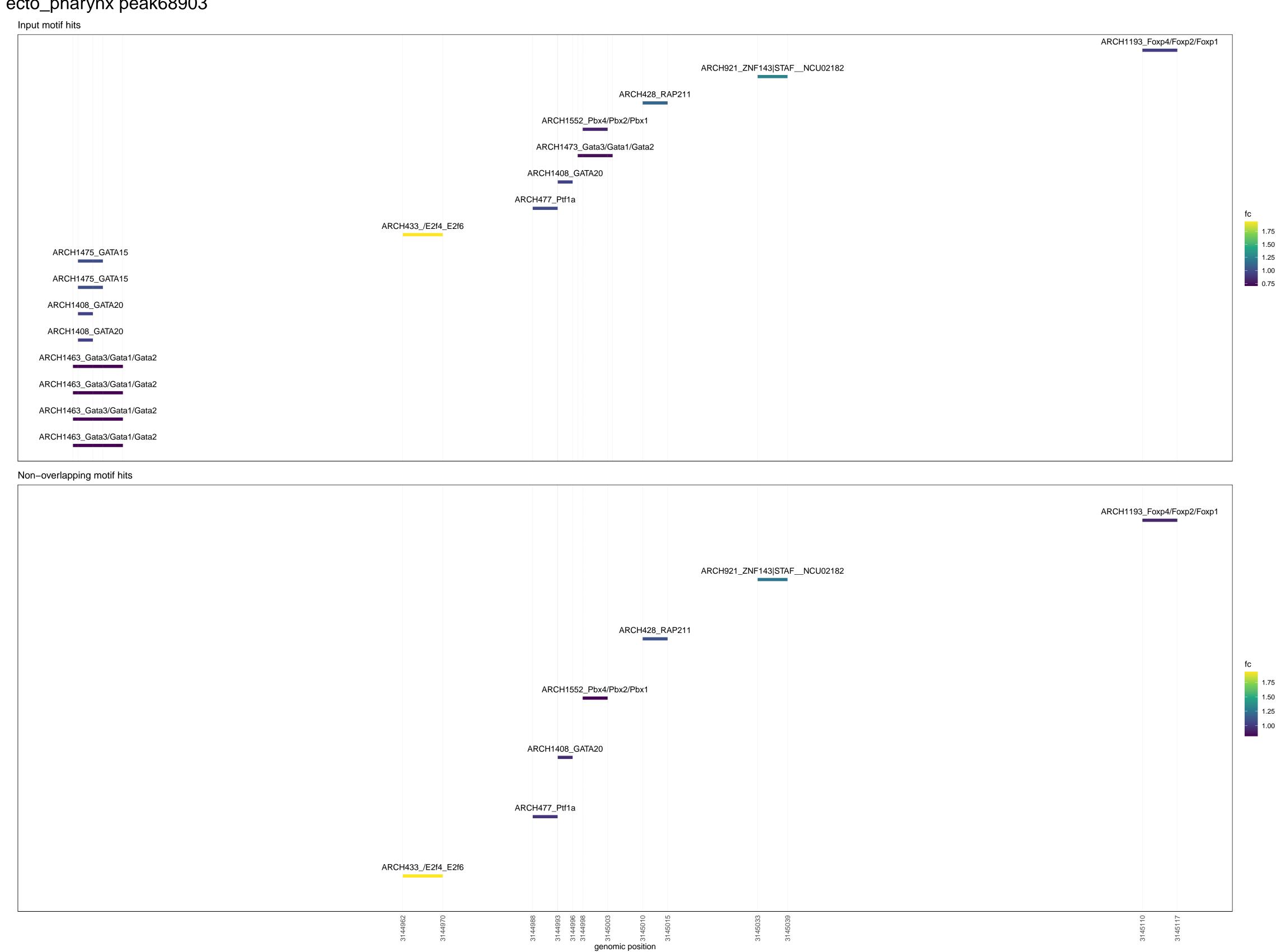


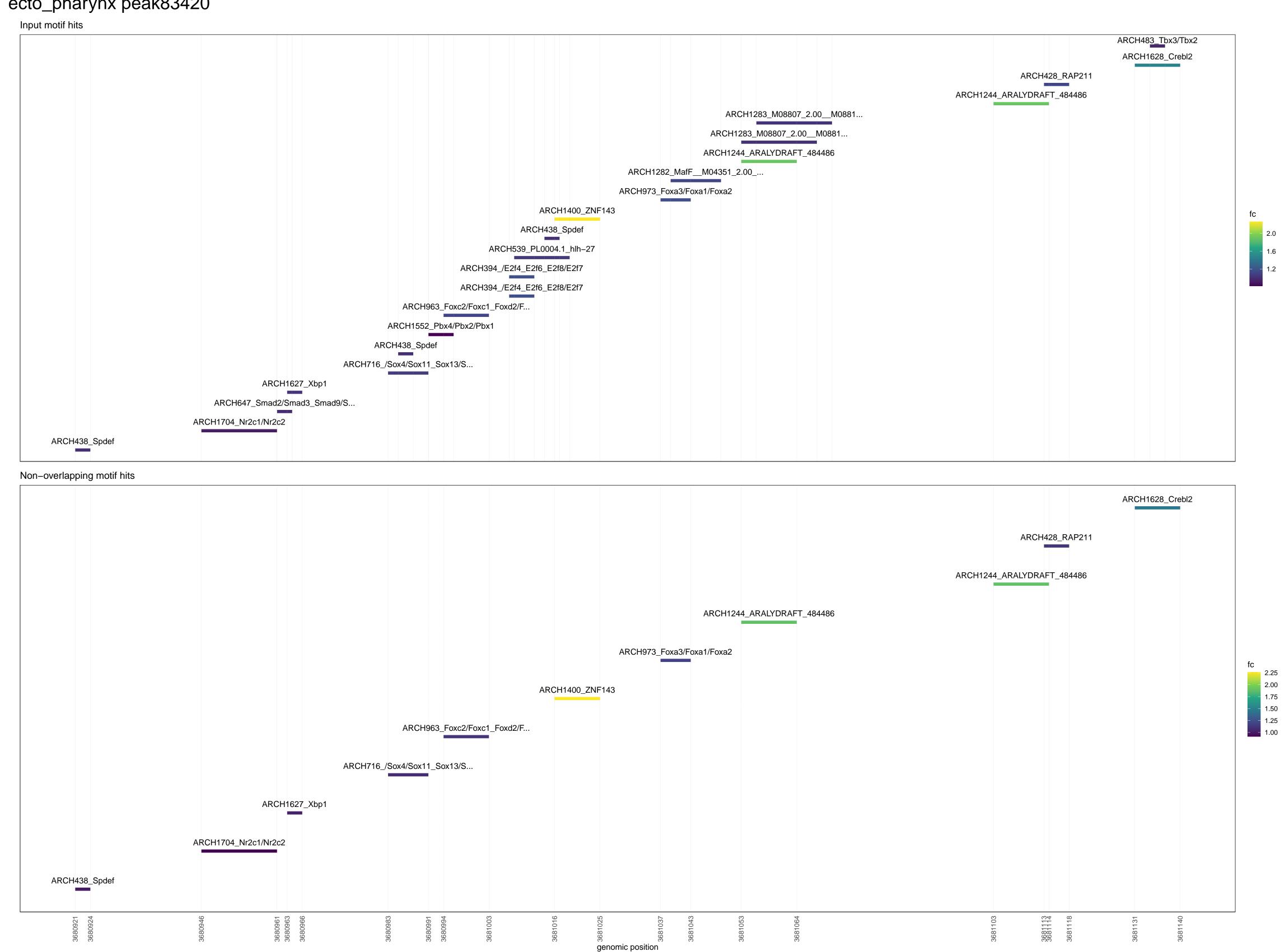
genomic position

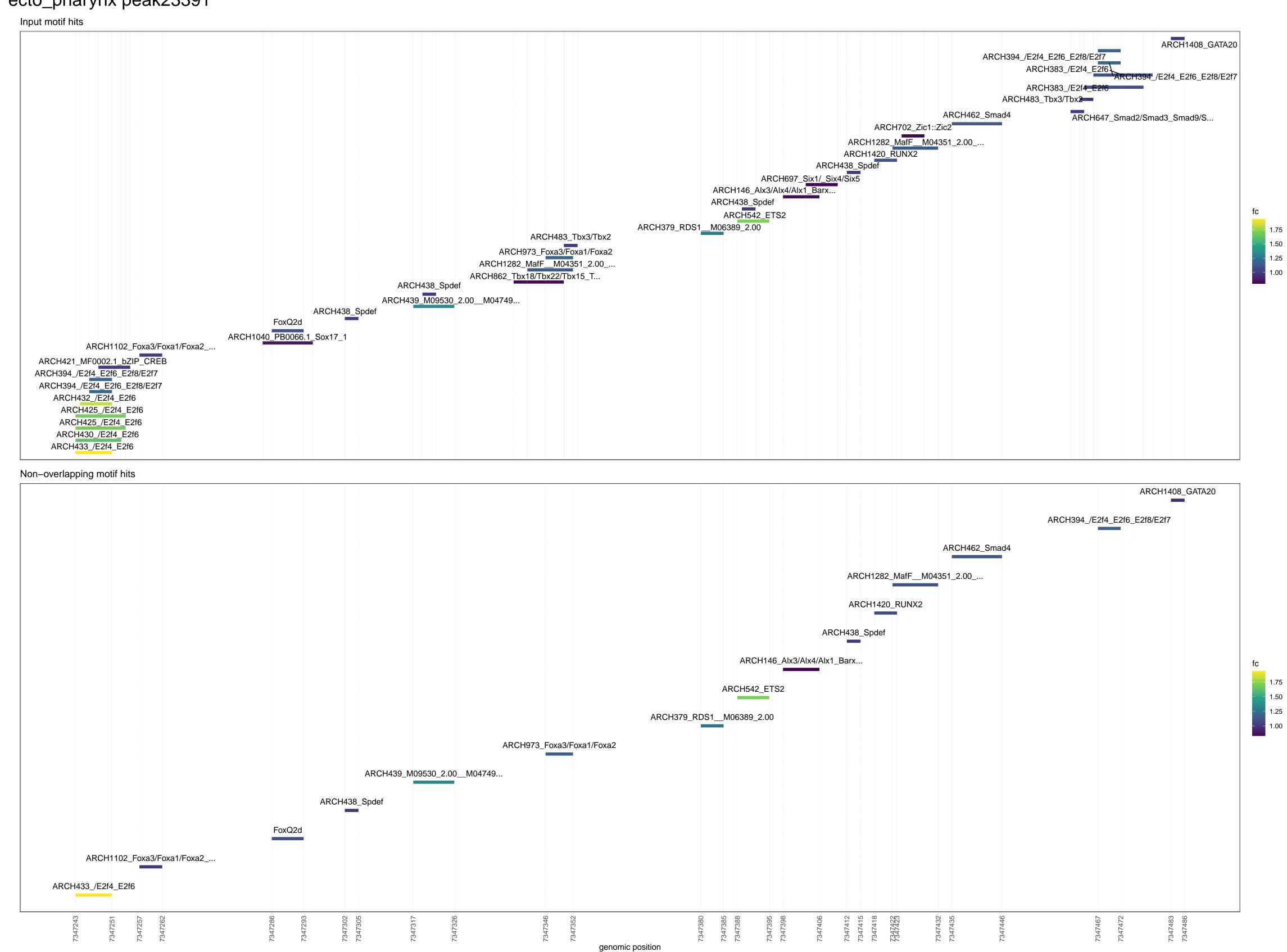


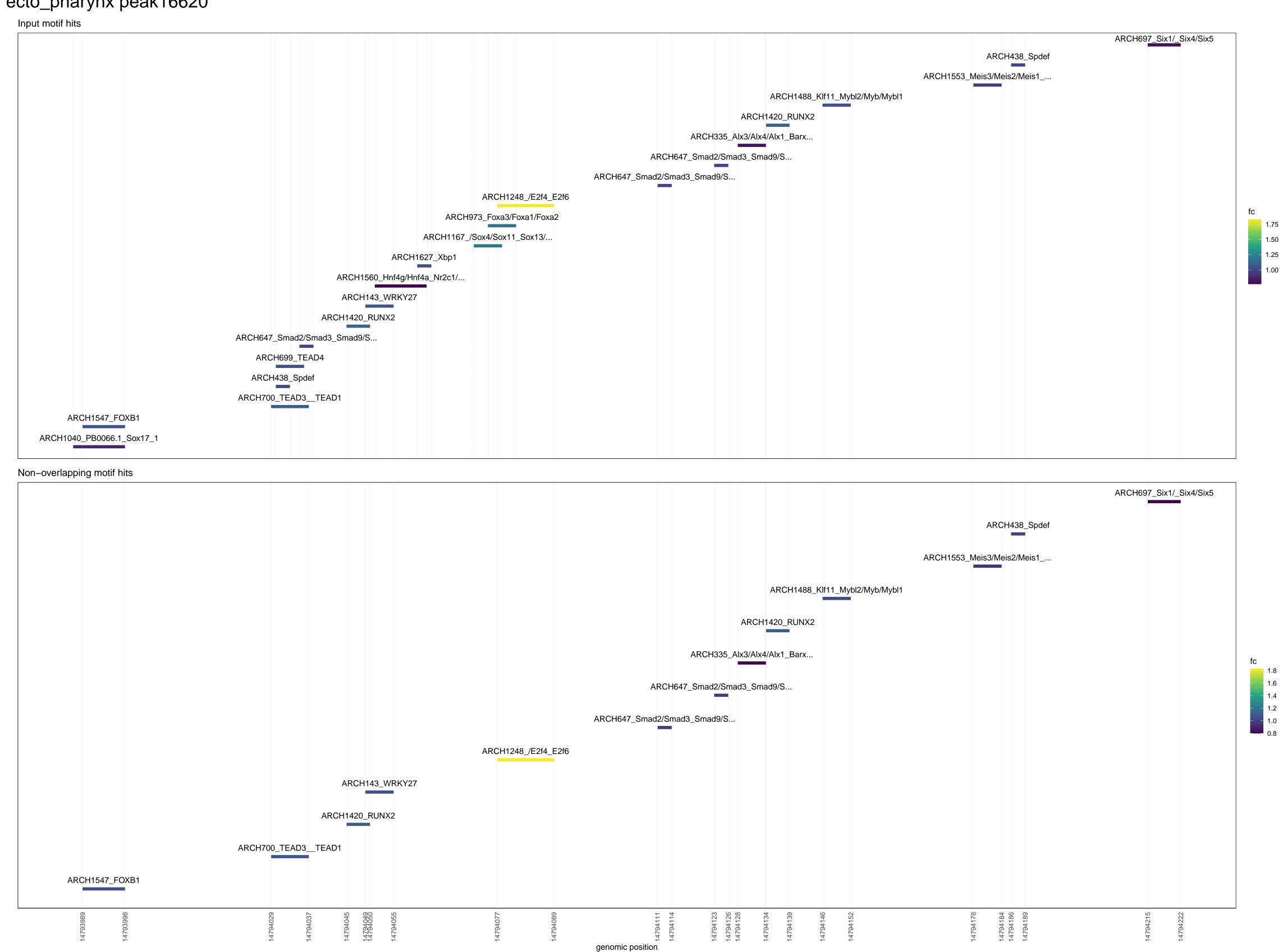


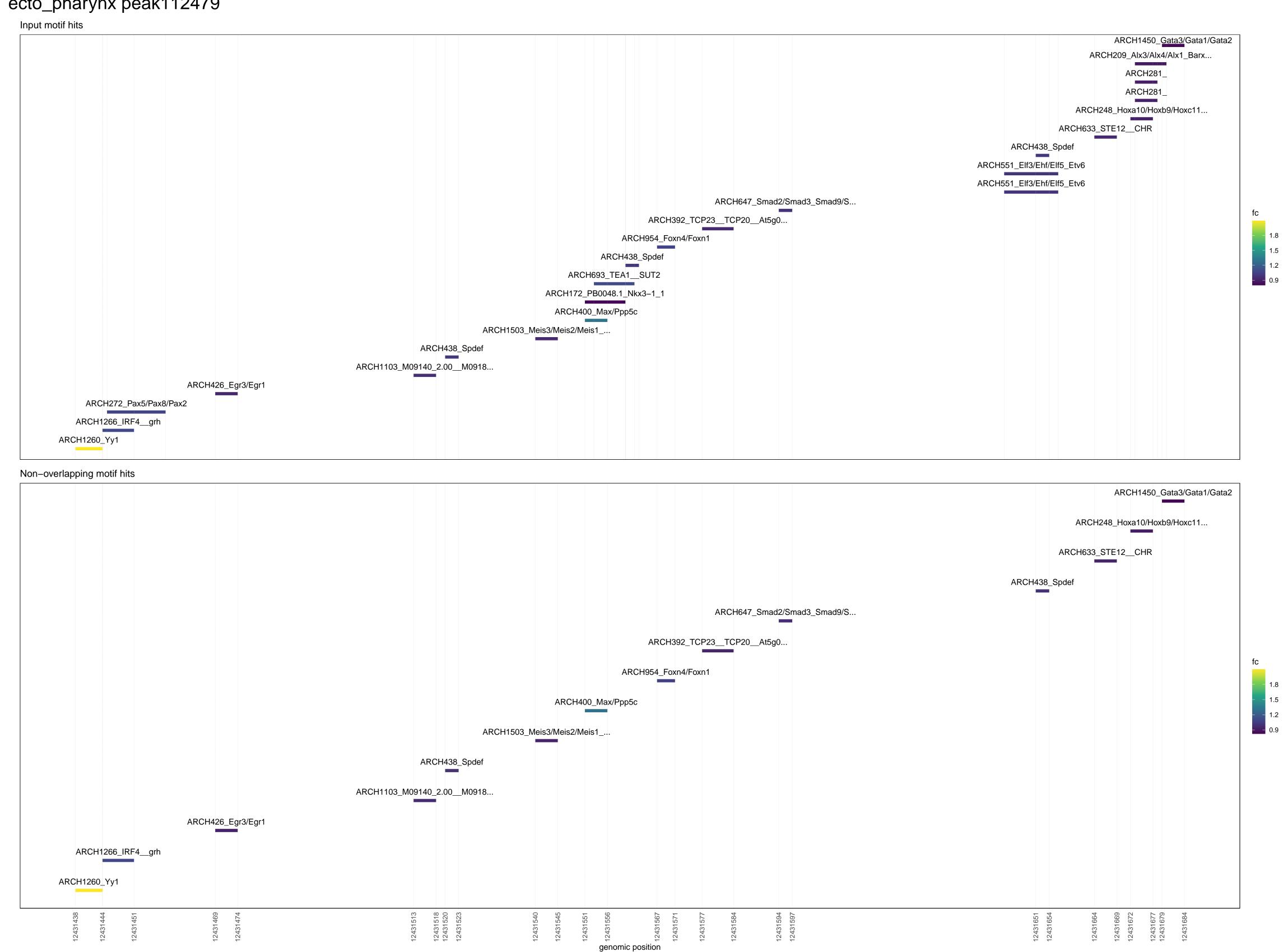


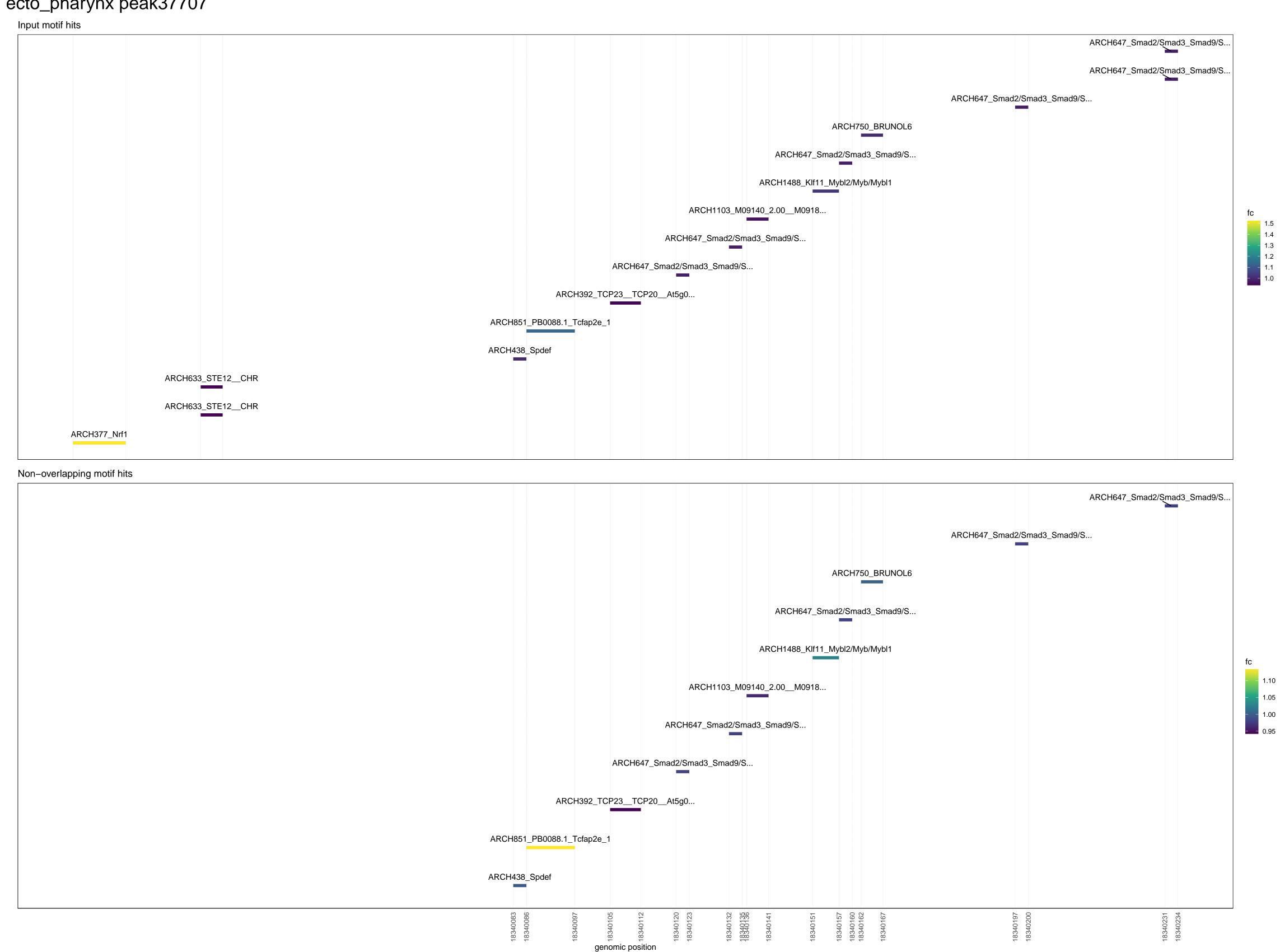








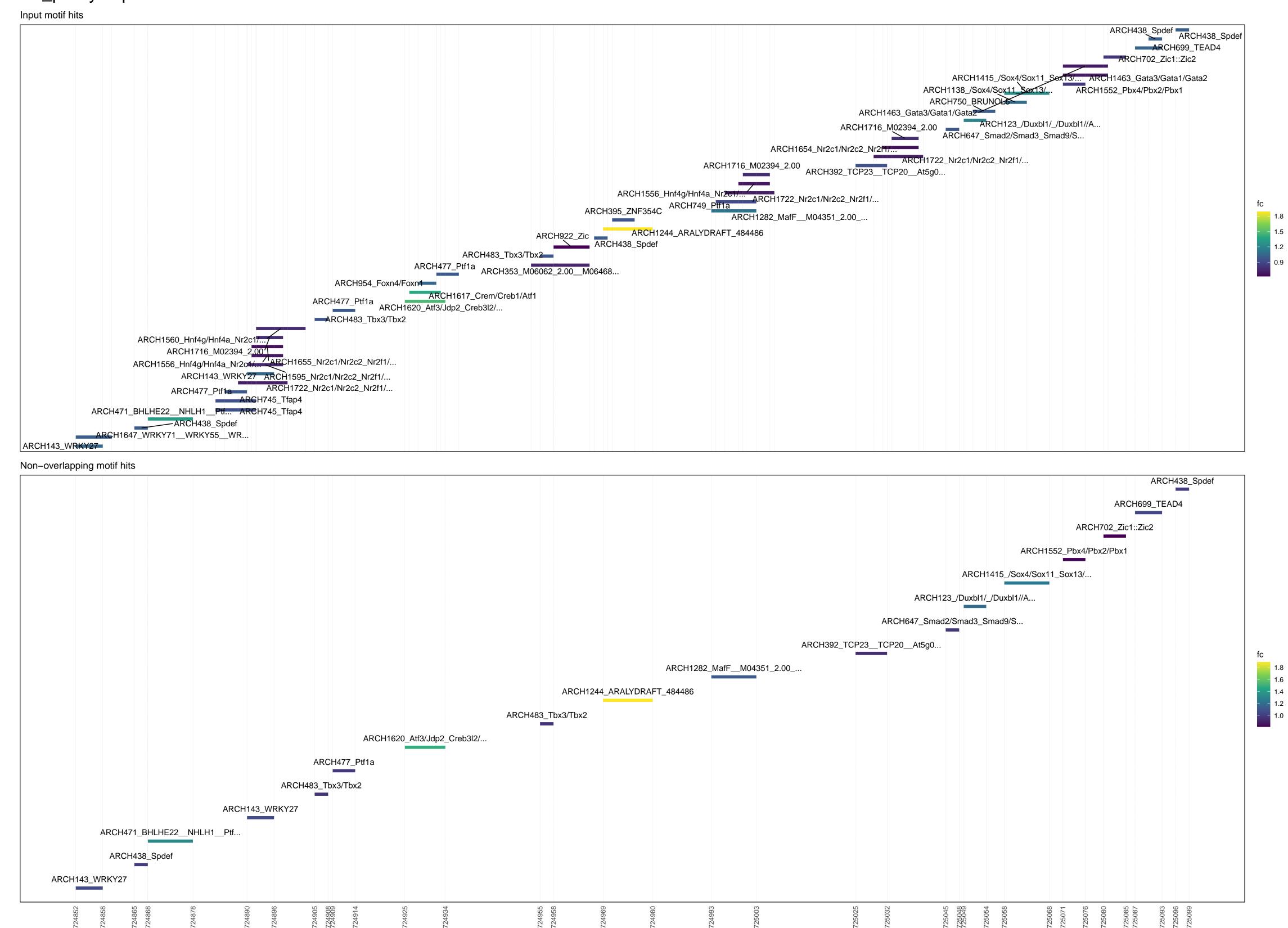


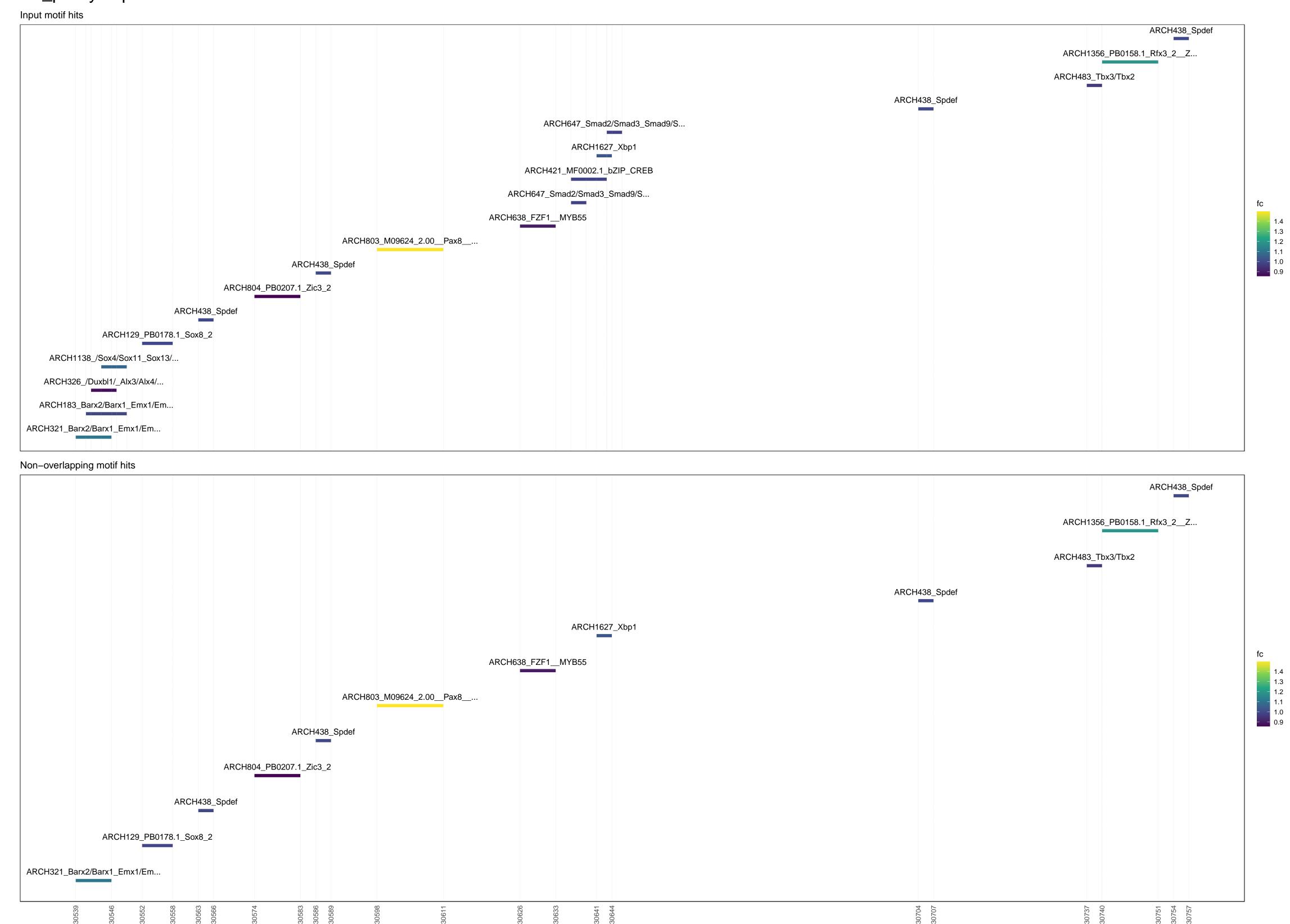


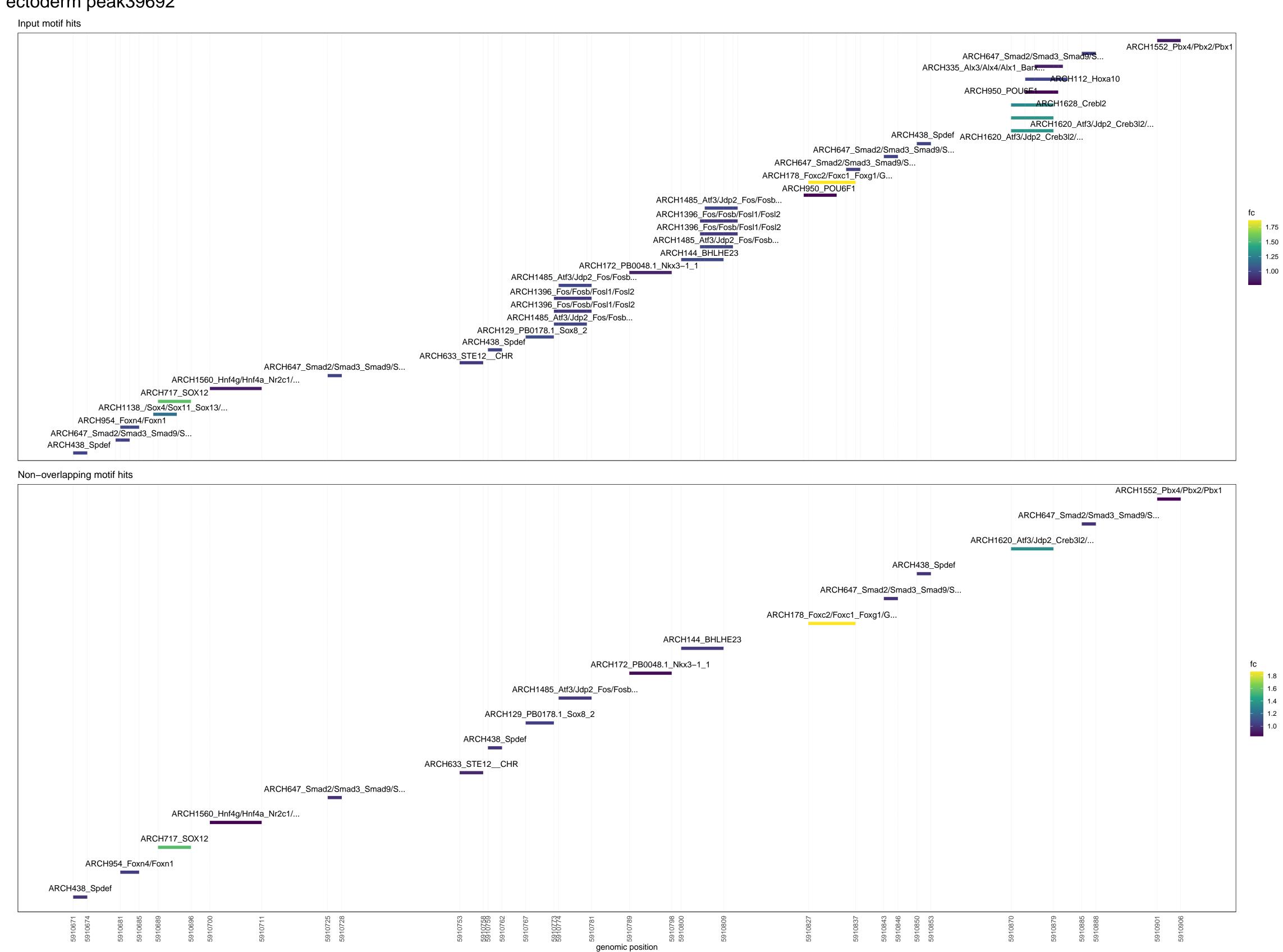
ecto_pharynx peak83547 Input motif hits ARCH209_Alx3/Alx4/Alx1_Barx... ARCH281_ ARCH281_ ARCH248_Hoxa10/Hoxb9/Hoxc11... ARCH647_Smad2/Smad3_Smad9/S... ARCH647_Smad2/Smad3_Smad9/S... ARCH1193_Foxp4/Foxp2/Foxp1 ARCH1193_Foxp4/Foxp2/Foxp1 ARCH1193_Foxp4/Foxp2/Foxp1 ARCH144_BHLHE23 ARCH1397_RBFox2__OCT:OCT-short ARCH1138_/Sox4/Sox11_Sox13/... ARCH1361_Six3/Six6 ARCH1361_Six3/Six6 0.9 ARCH1552_Pbx4/Pbx2/Pbx1 ARCH1593_PL0005.1_hlh-30 ARCH144_BHLHE23 ARCH144_BHLHE23 ARCH143_WRKY27 ARCH1647_WRKY71__WRKY55__WR... ARCH483_Tbx3/Tbx2 ARCH438_Spdef ARCH438_Spdef ARCH1167_/Sox4/Sox11_Sox13/... ARCH1167_/Sox4/Sox11_Sox13/... Non-overlapping motif hits ARCH248_Hoxa10/Hoxb9/Hoxc11... ARCH647_Smad2/Smad3_Smad9/S... ARCH647_Smad2/Smad3_Smad9/S... ARCH1193_Foxp4/Foxp2/Foxp1 ARCH144_BHLHE23 1.10 ARCH1397_RBFox2__OCT:OCT-short 1.05 1.00 0.95 ARCH1138_/Sox4/Sox11_Sox13/... ARCH1593_PL0005.1_hlh-30 ARCH144_BHLHE23 ARCH143_WRKY27 ARCH483_Tbx3/Tbx2

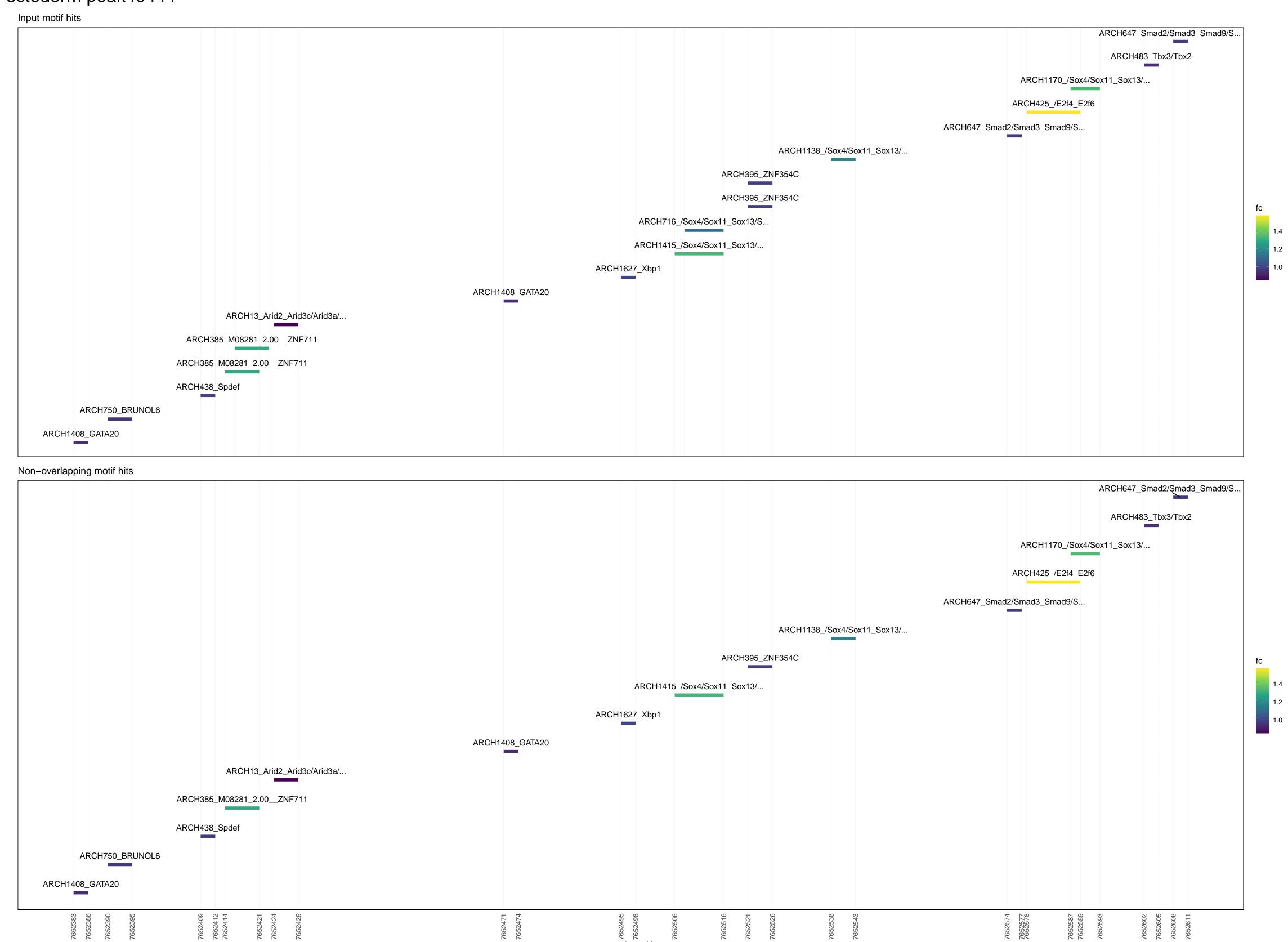
genomic position

ecto_pharynx peak15015 Input motif hits ARCH1627_Xbp1 ARCH647_Smad2/Smad3_Smad9/S... ARCH647_Smad2/Smad3_Smad9/S... ARCH693_TEA1__SUT2 ARCH1408_GATA20 ARCH647_Smad2/Smad3_Smad9/S... ARCH647_Smad2/Smad3_Smad9/S... ARCH954_Foxn4/Foxn1 ARCH647_Smad2/Smad3_Smad9/S... ARCH1386_ANKHD1__PTBP1 ARCH462_Smad4 ARCH867_ZEB1__PL0011.1_hlh-... ARCH749_Ptf1a ARCH530_Snai2 ARCH484_Tbx3/Tbx2 1.5 ARCH1260_Yy1 ARCH1544_Nkx2-2/Nkx2-9 ARCH273_HOXD3 ARCH1152_/Sox4/Sox11_Sox13/... ARCH483_Tbx3/Tbx2 ARCH750_BRUNOL6 ARCH1408_GATA20 ARCH395_ZNF354C ARCH395_ZNF354C ARCH452_Rfx1/Rfx3/Rfx2_Rfx6 ARCH950_POU6F1 ARCH1628_Crebl2 ARCH1628_Crebl2 ARCH1620_Atf3/Jdp2_Creb3l2/... Non-overlapping motif hits ARCH1627_Xbp1 ARCH647_Smad2/Smad3_Smad9/S... ARCH647_Smad2/Smad3_Smad9/S... ARCH693_TEA1__SUT2 ARCH1408_GATA20 ARCH647_Smad2/Smad3_Smad9/S... ARCH647_Smad2/Smad3_Smad9/S... ARCH462_Smad4 1.5 ARCH1260_Yy1 1.2 ARCH1544_Nkx2-2/Nkx2-9 ARCH273_HOXD3 ARCH1152_/Sox4/Sox11_Sox13/... ARCH750_BRUNOL6 ARCH452_Rfx1/Rfx3/Rfx2_Rfx6 ARCH1620_Atf3/Jdp2_Creb3l2/...

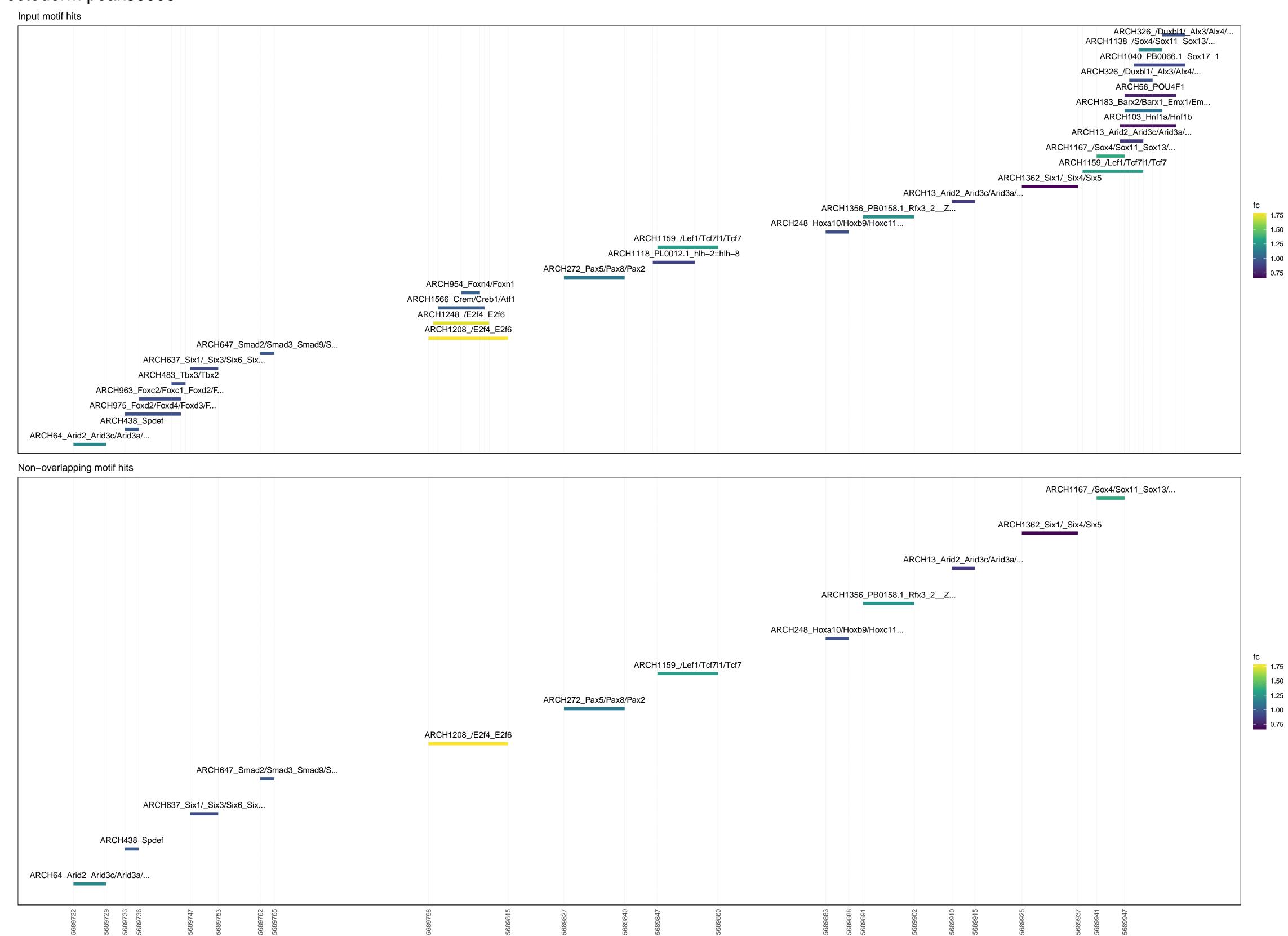


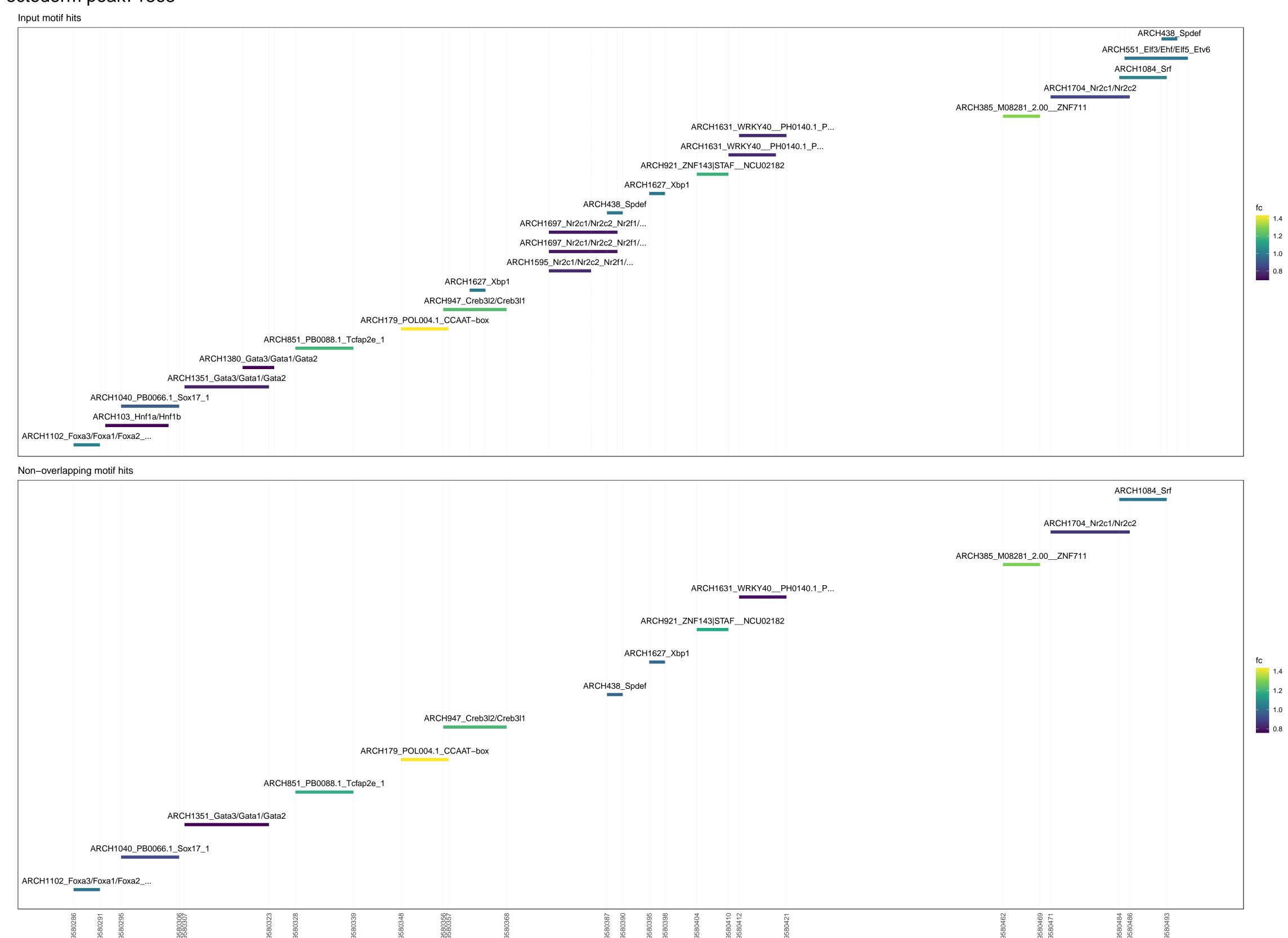




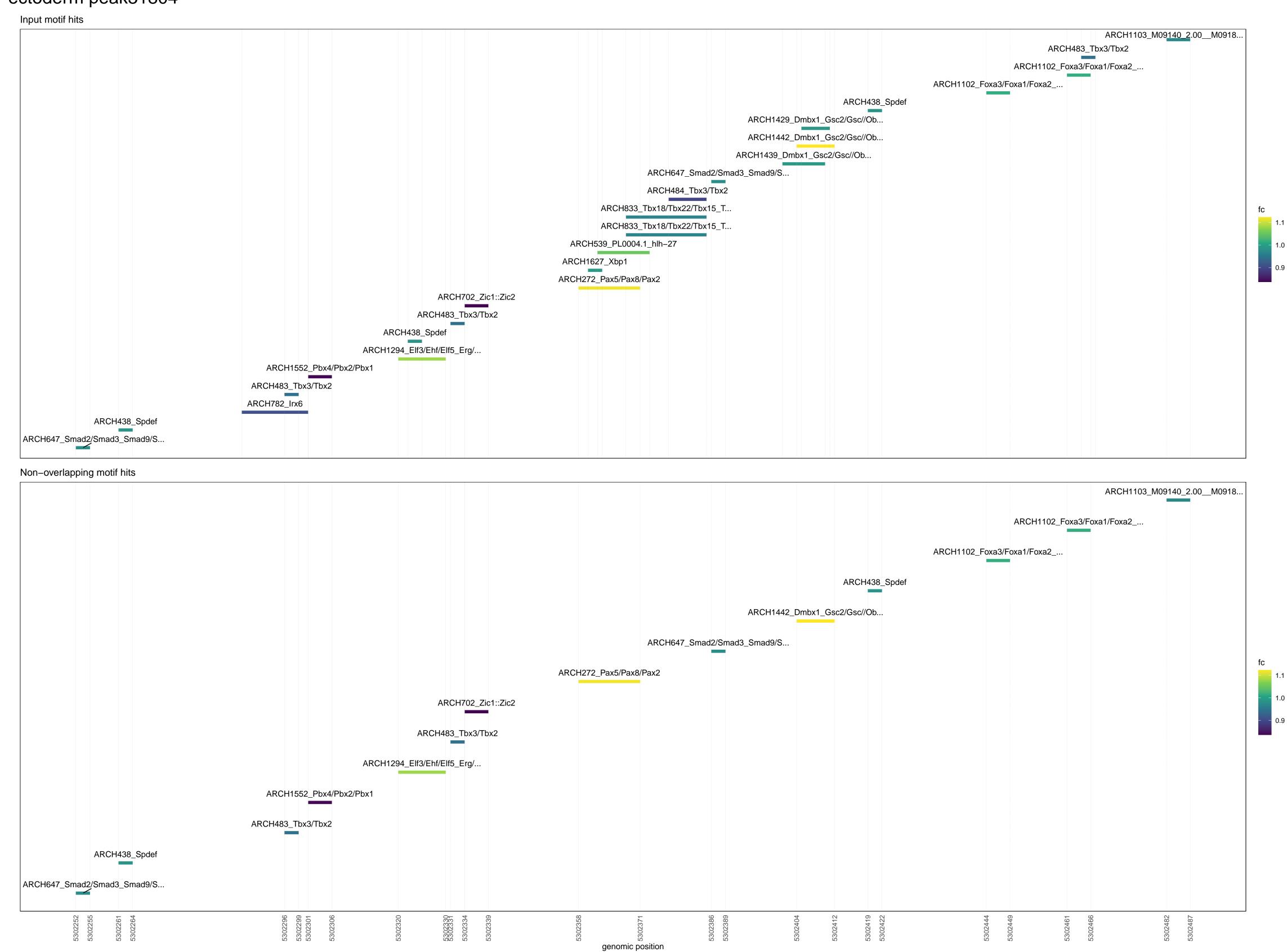


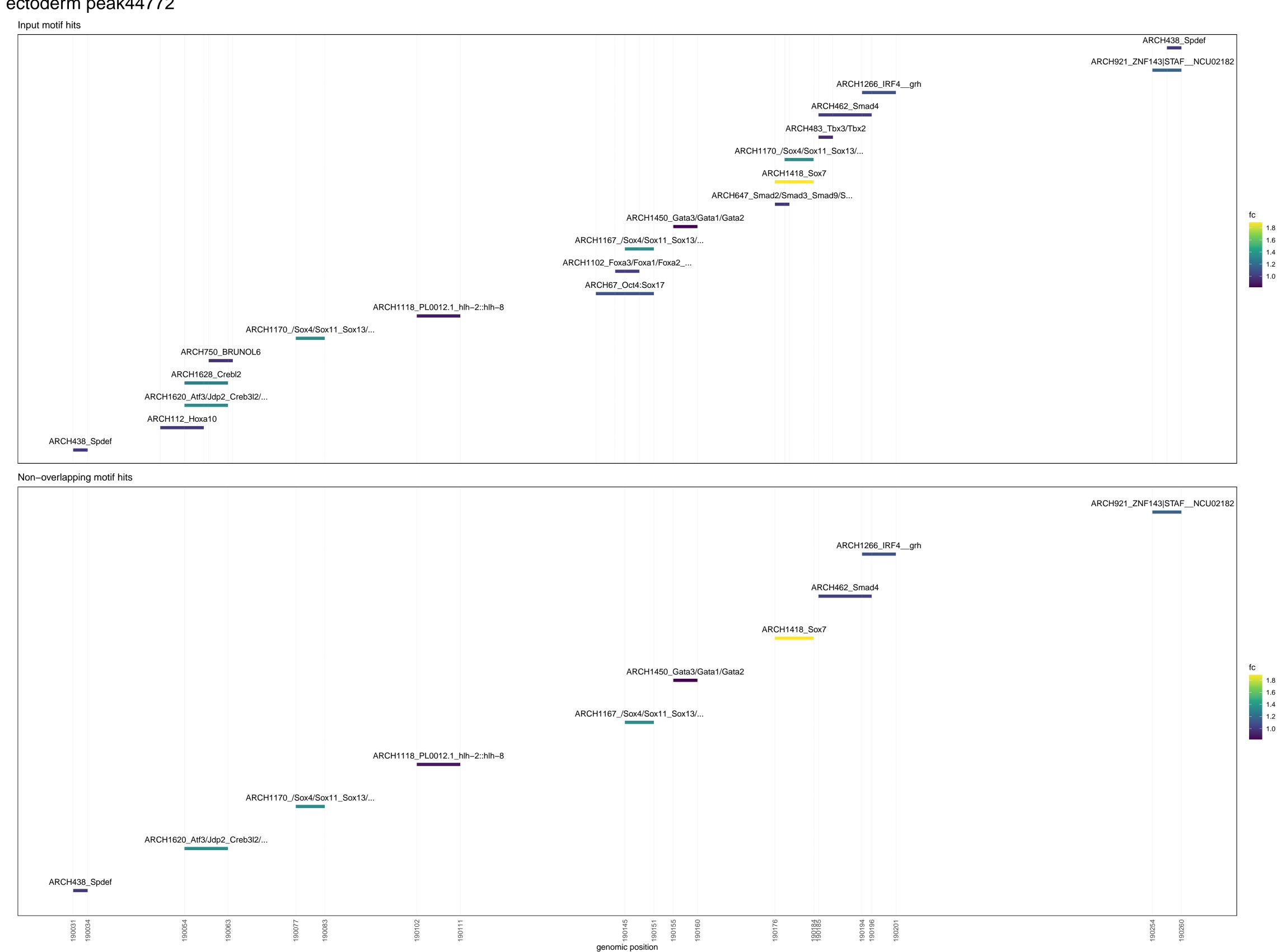
genomic position



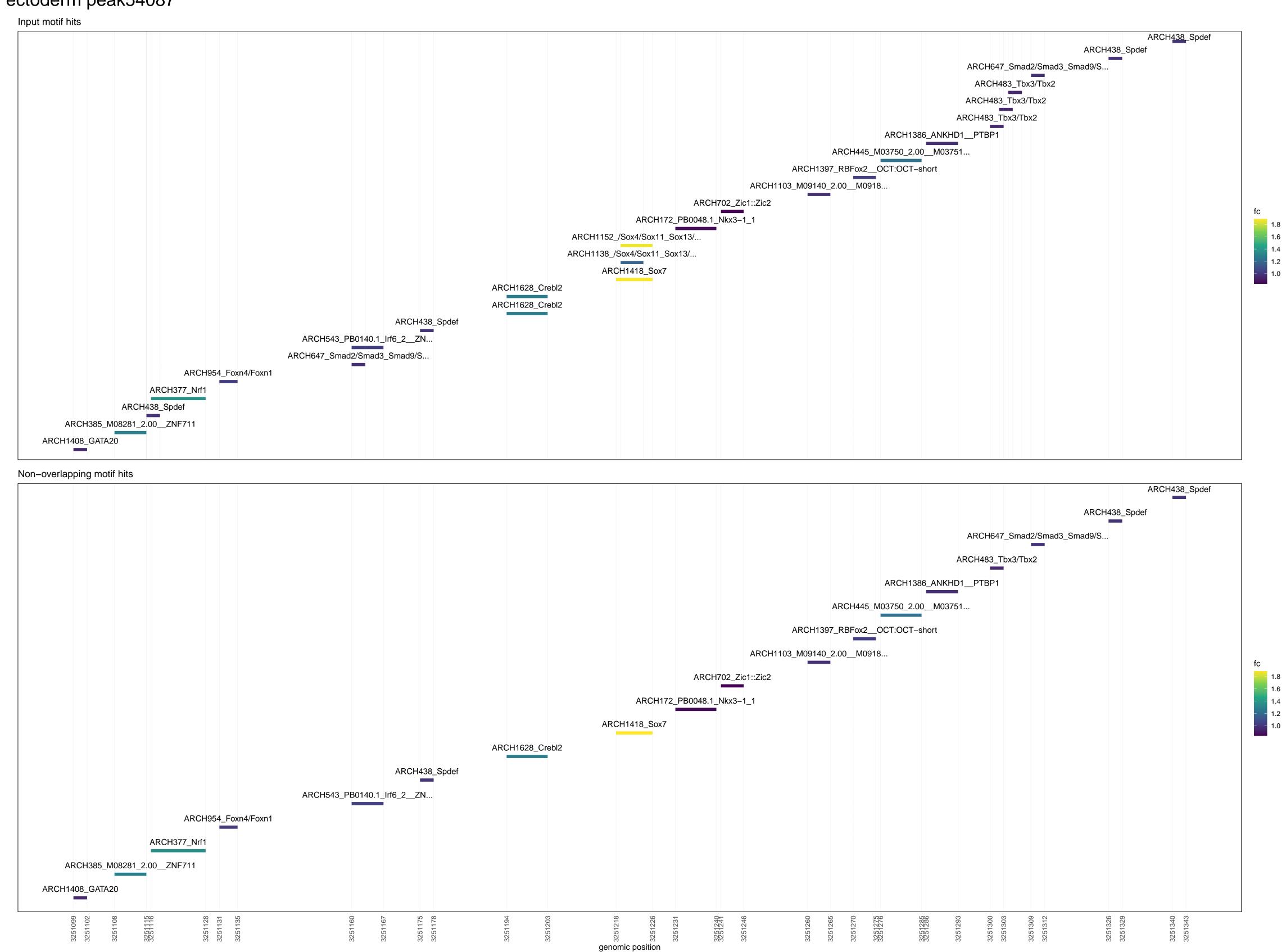


genomic position

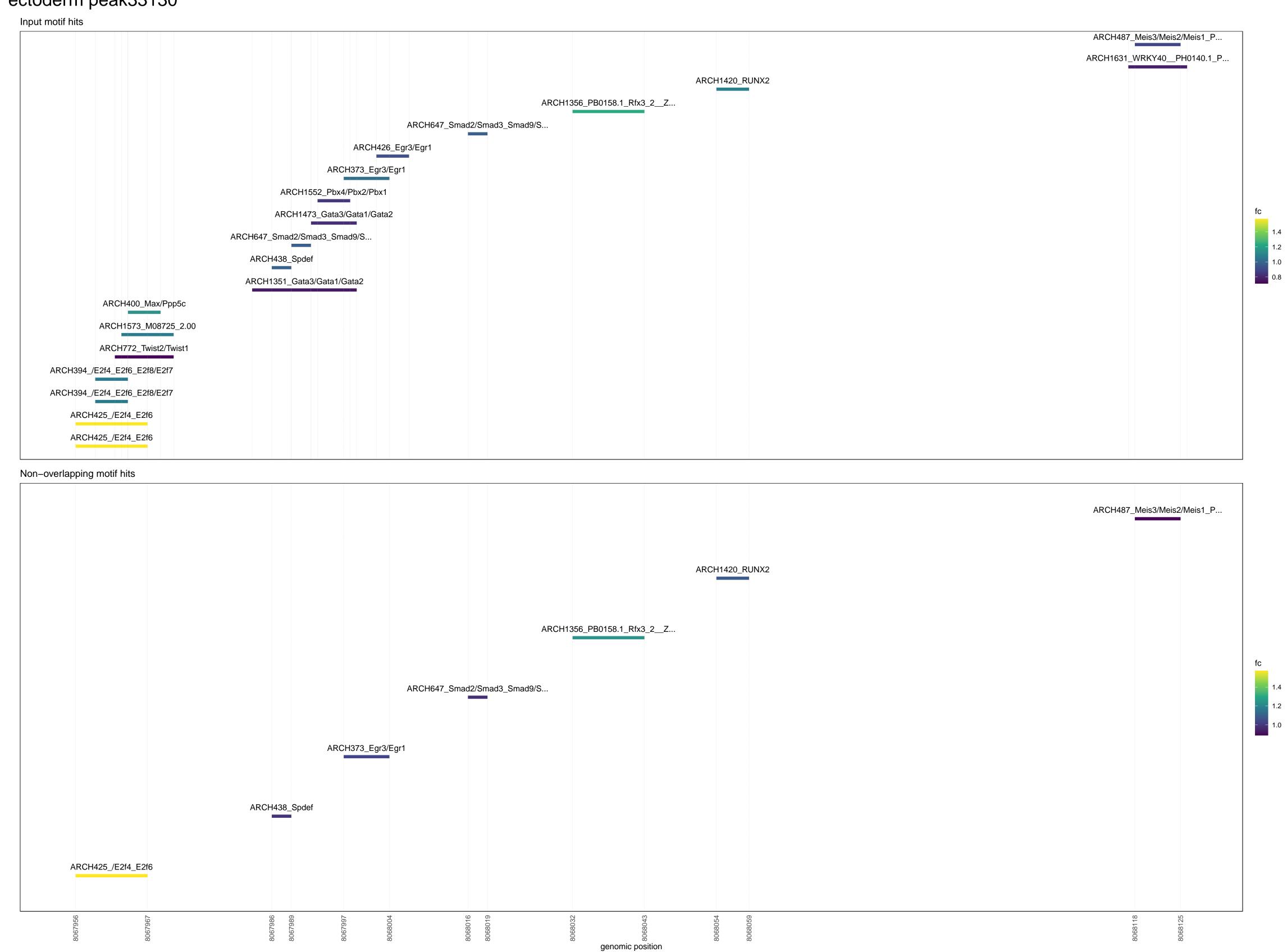


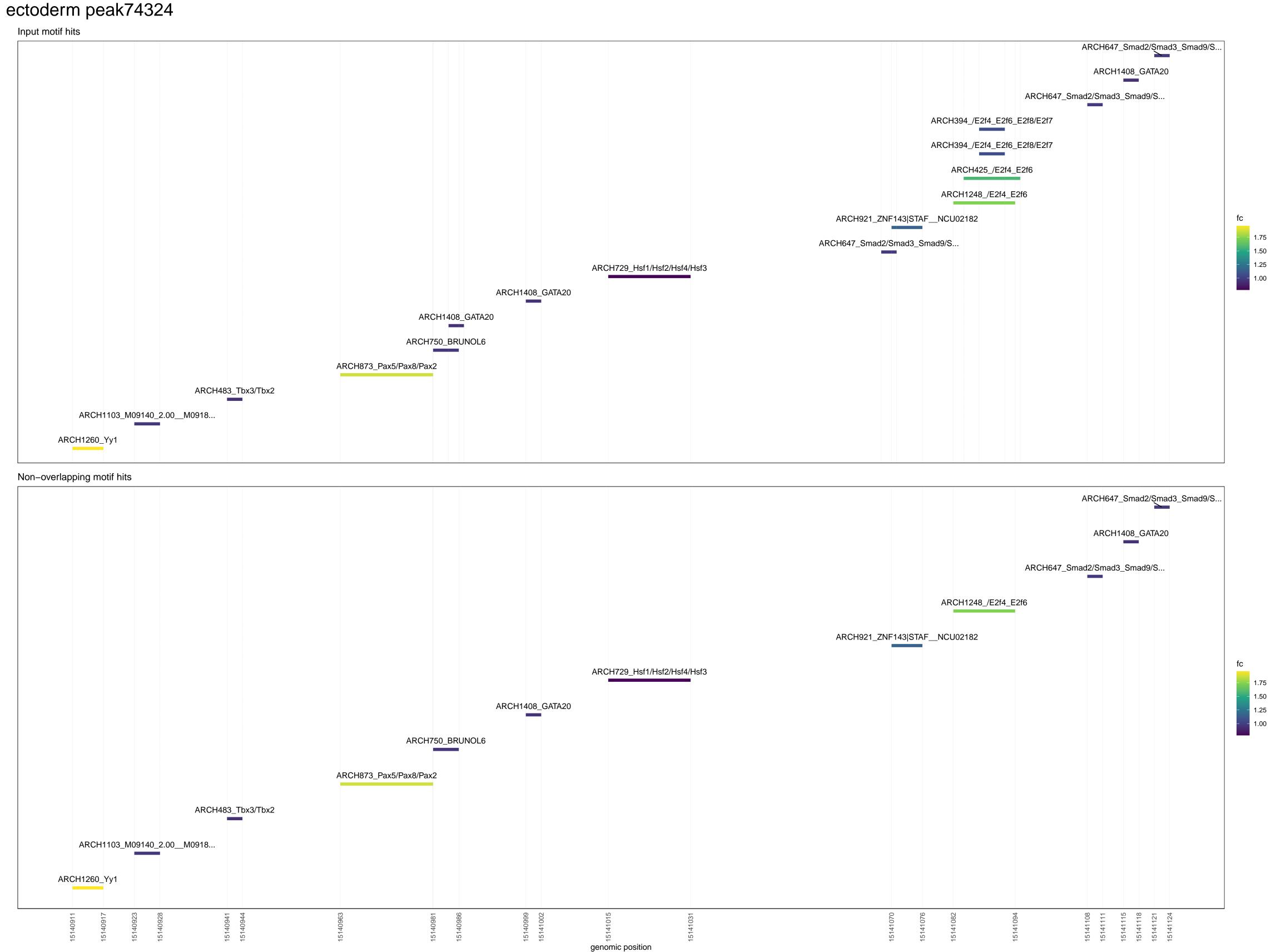


ectoderm peak54087

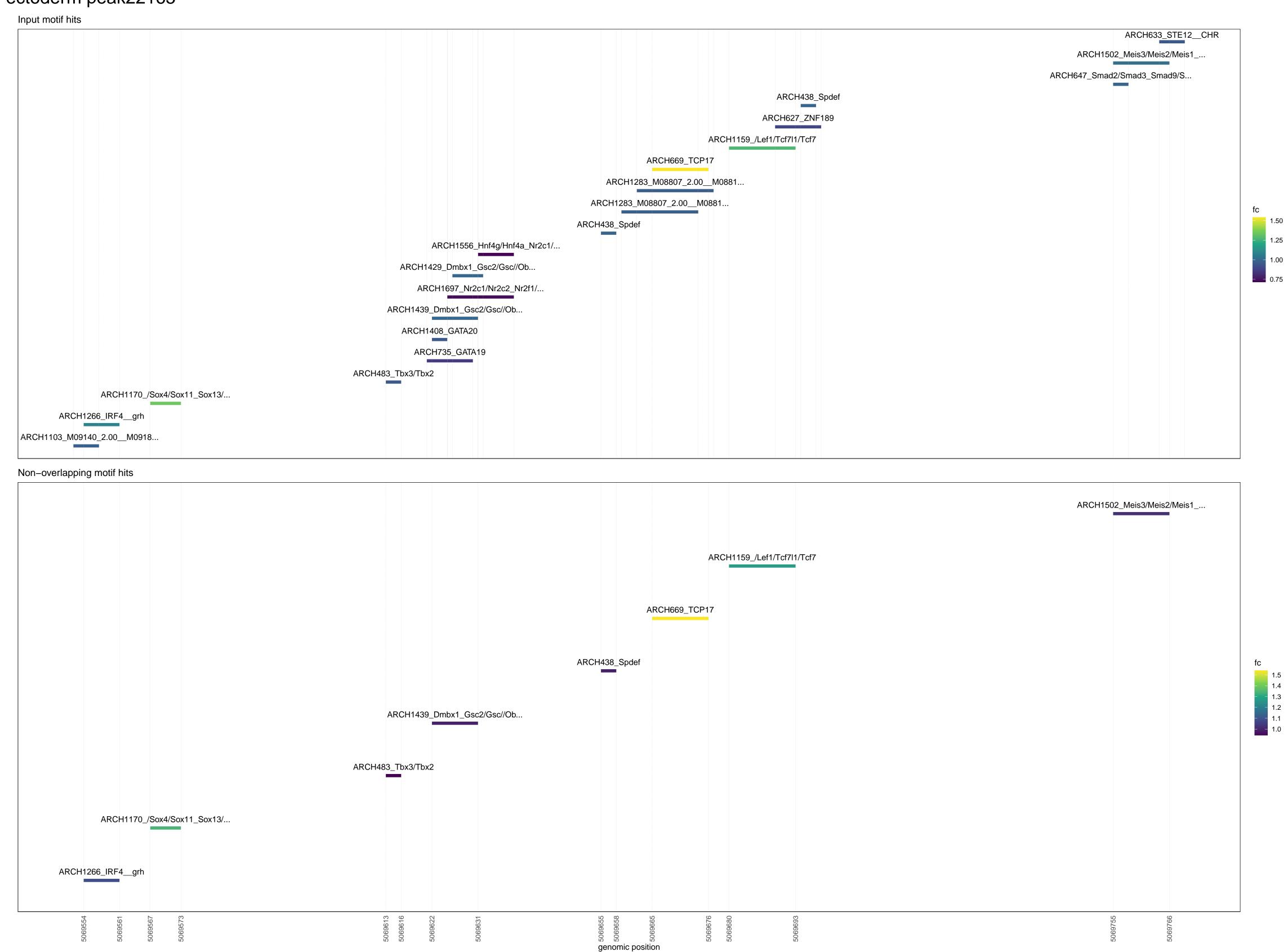


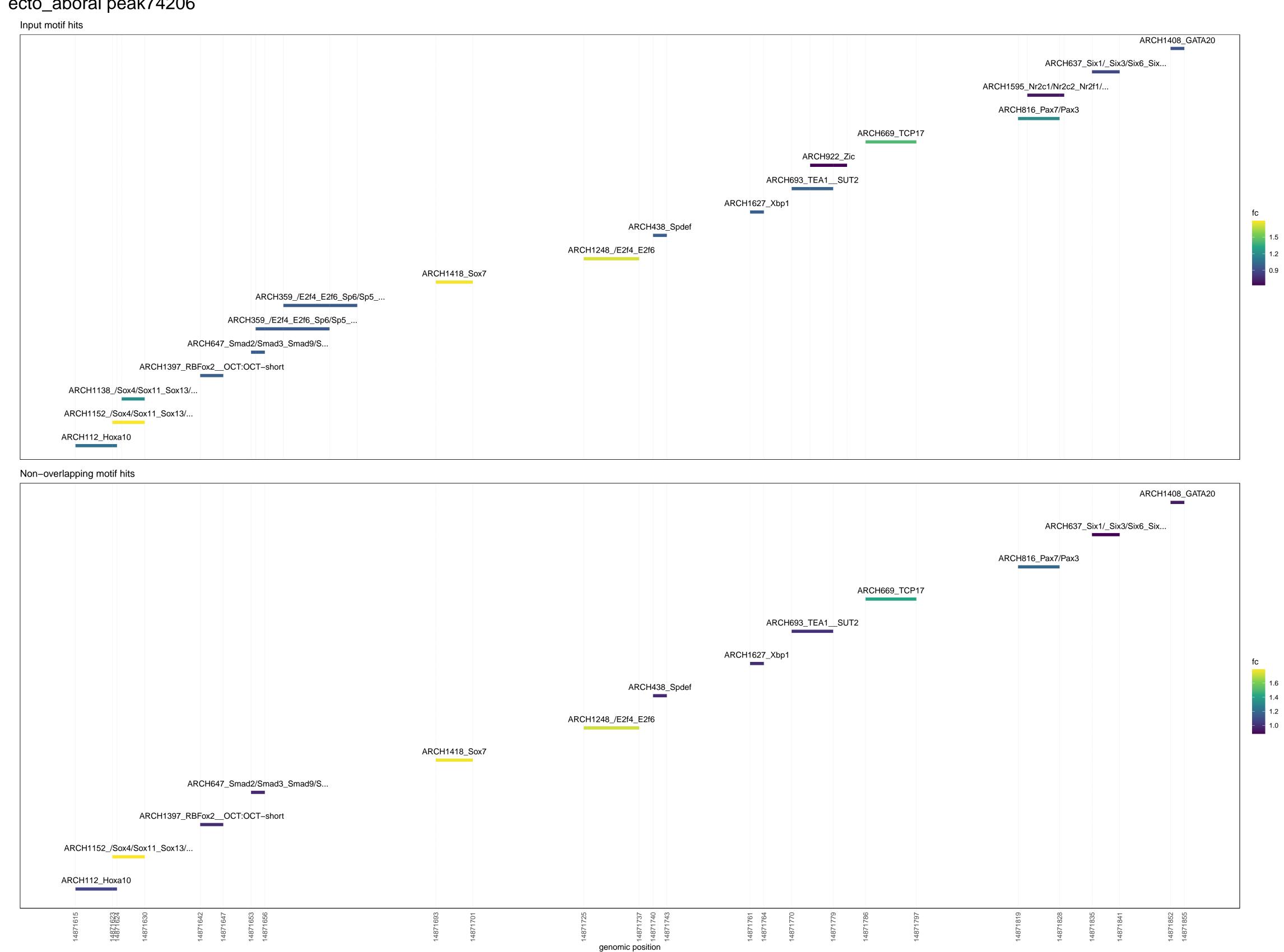
ectoderm peak33130

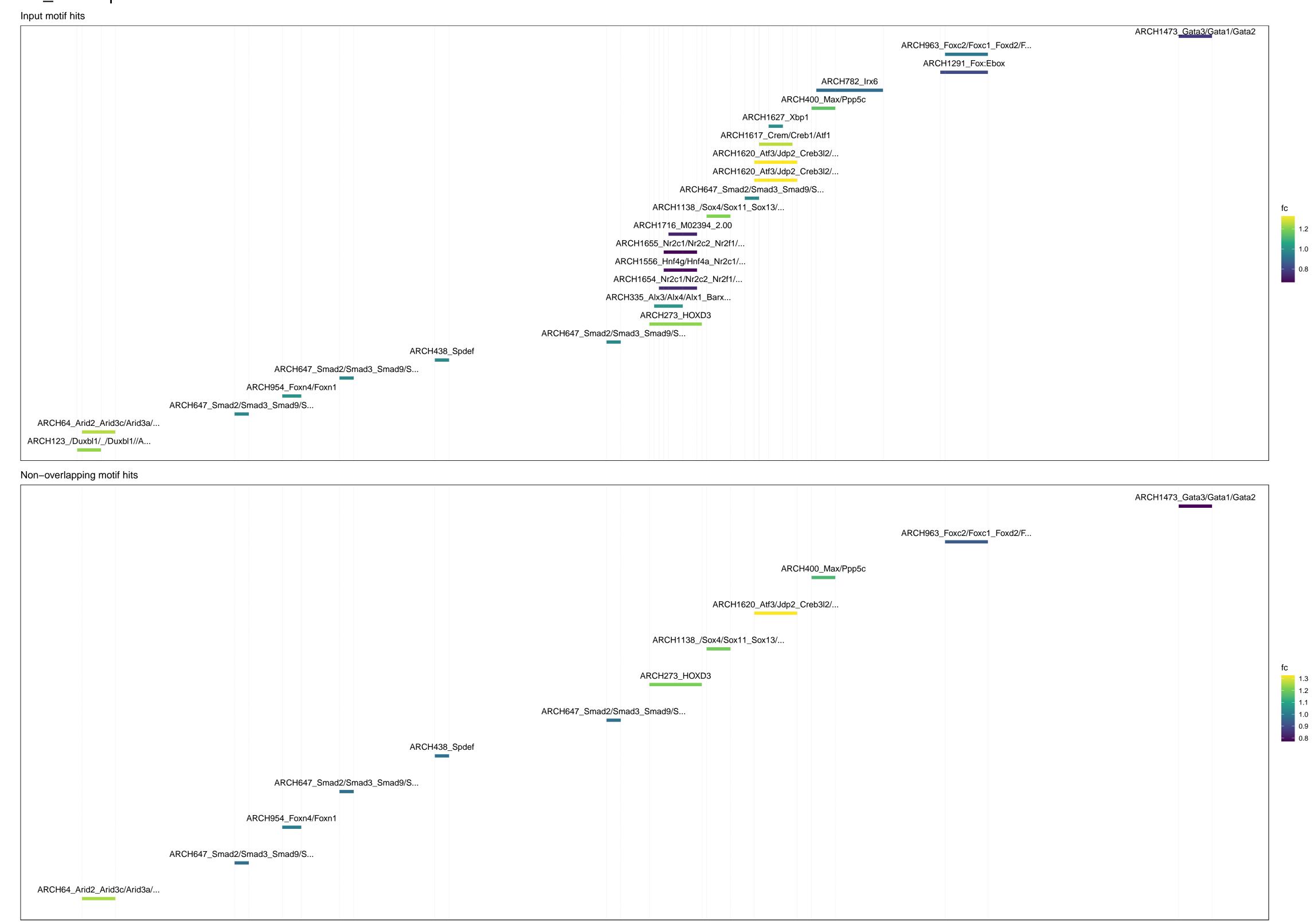




ectoderm peak22165

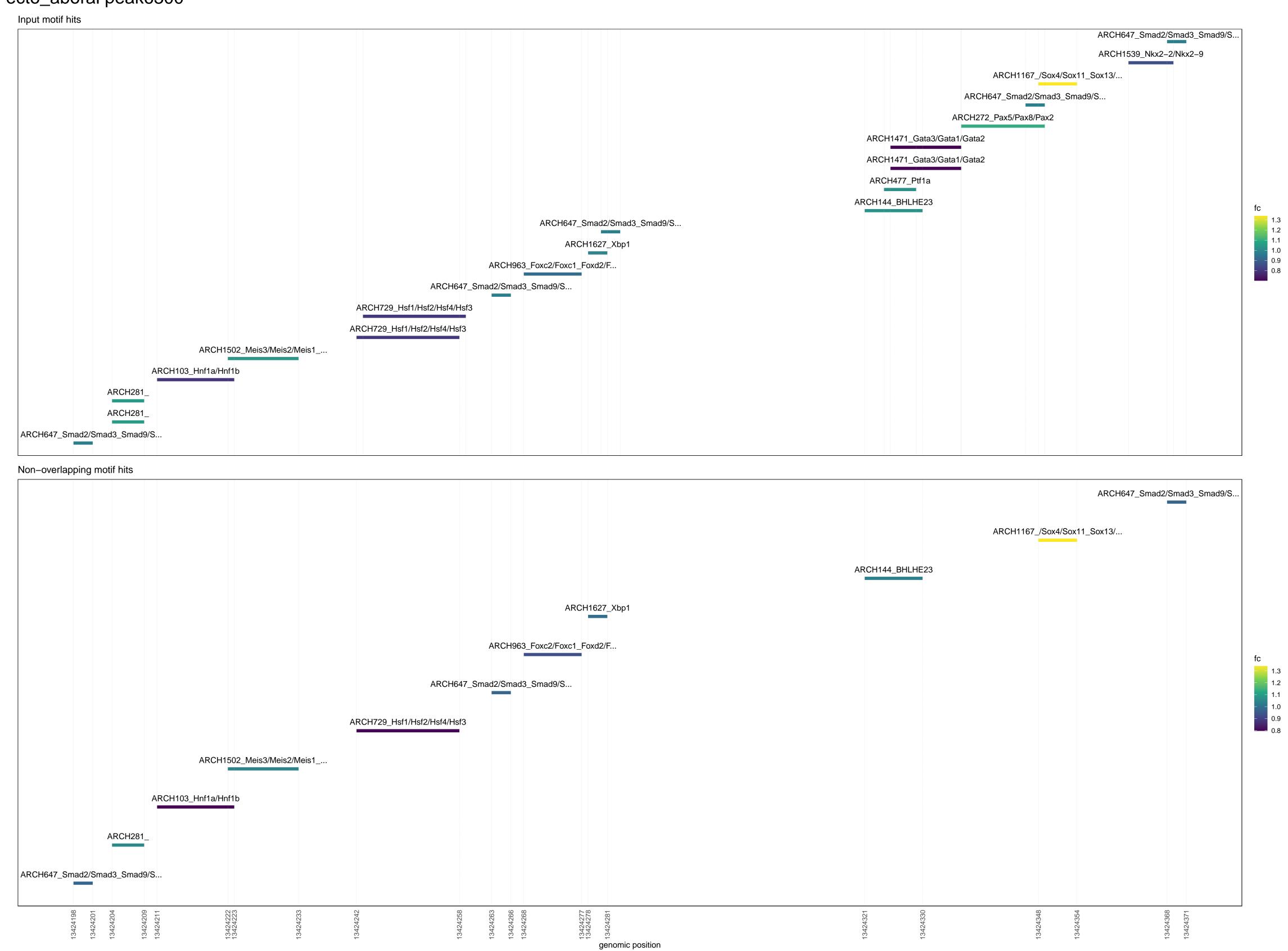


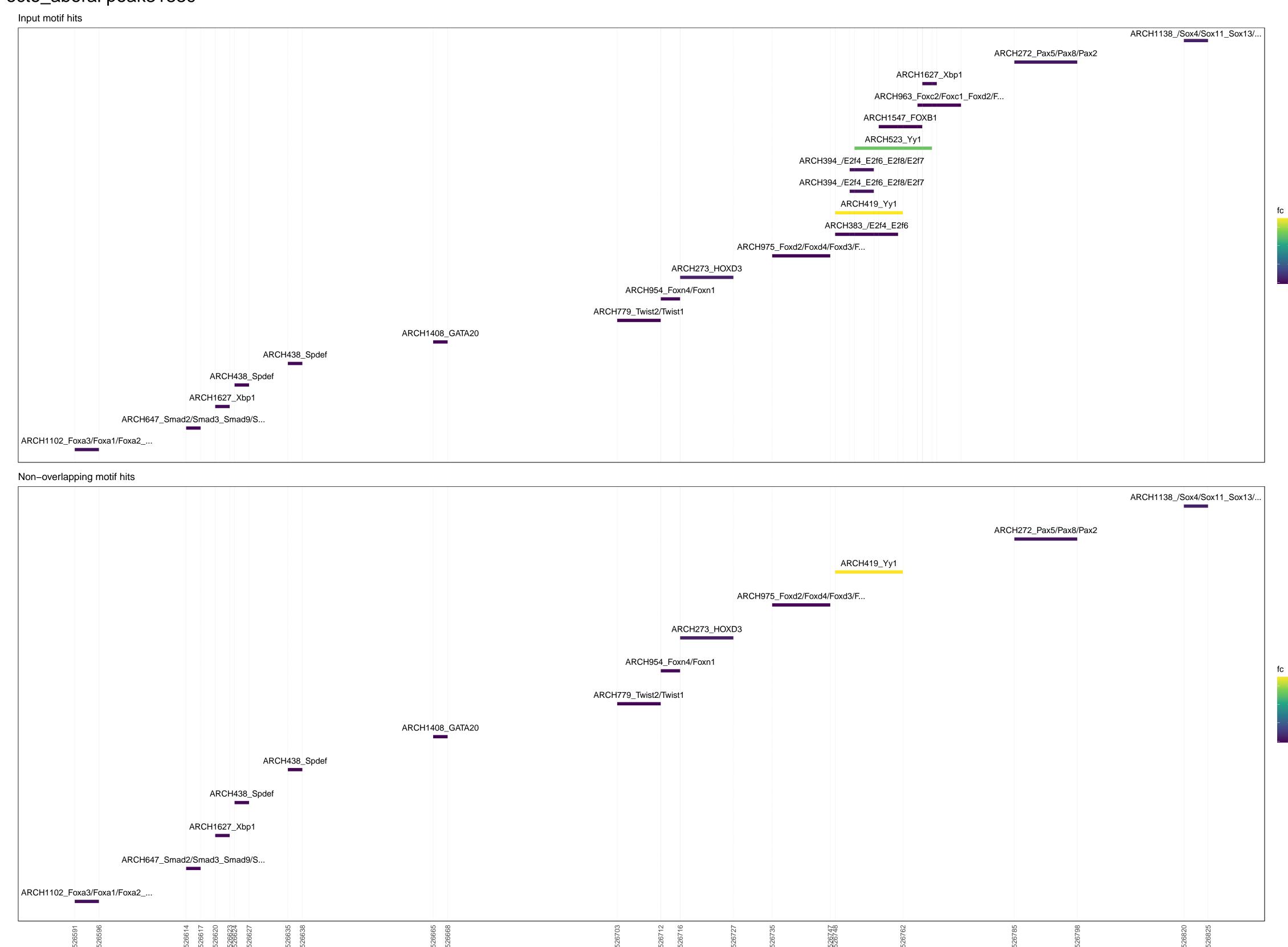


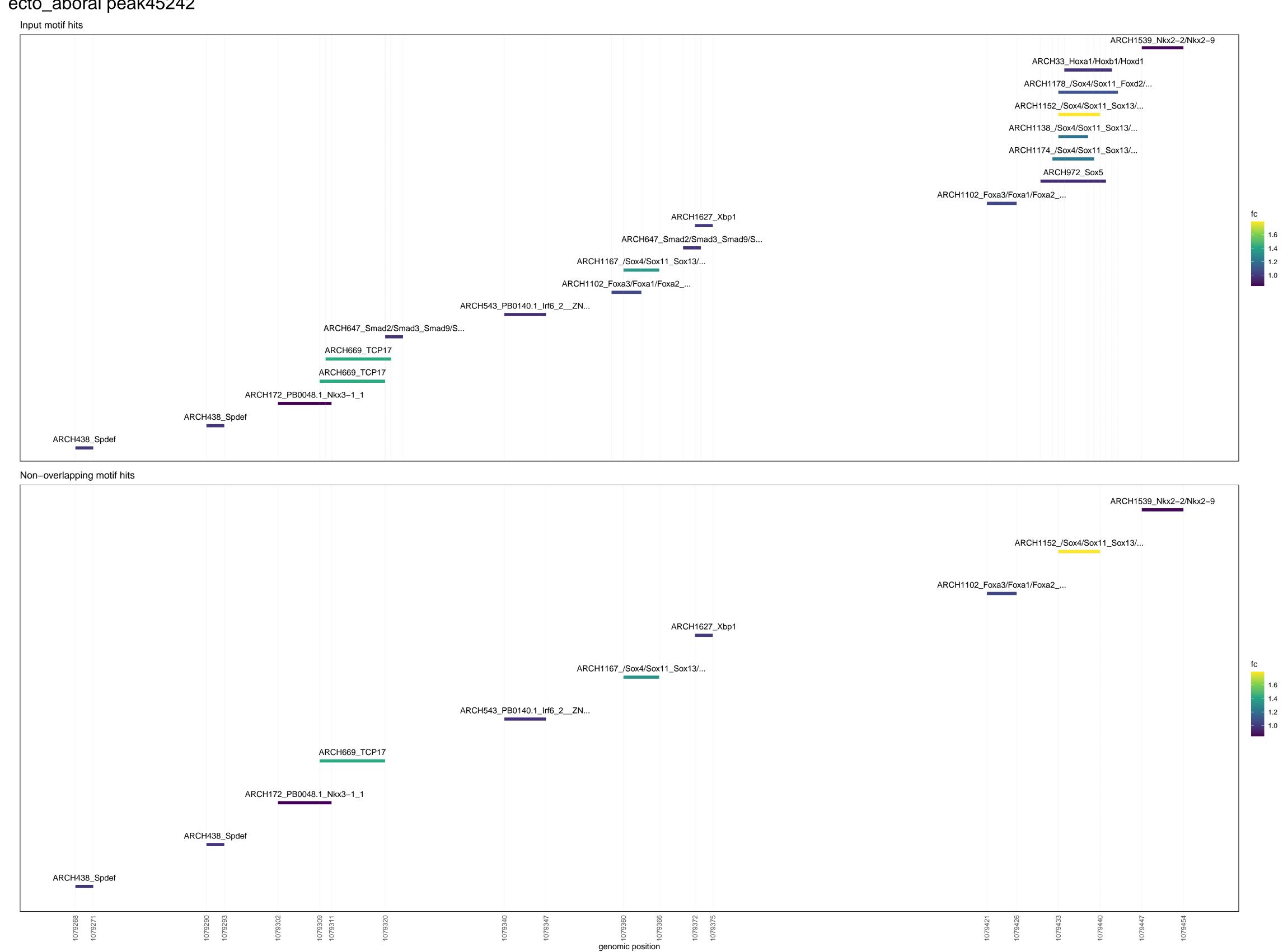


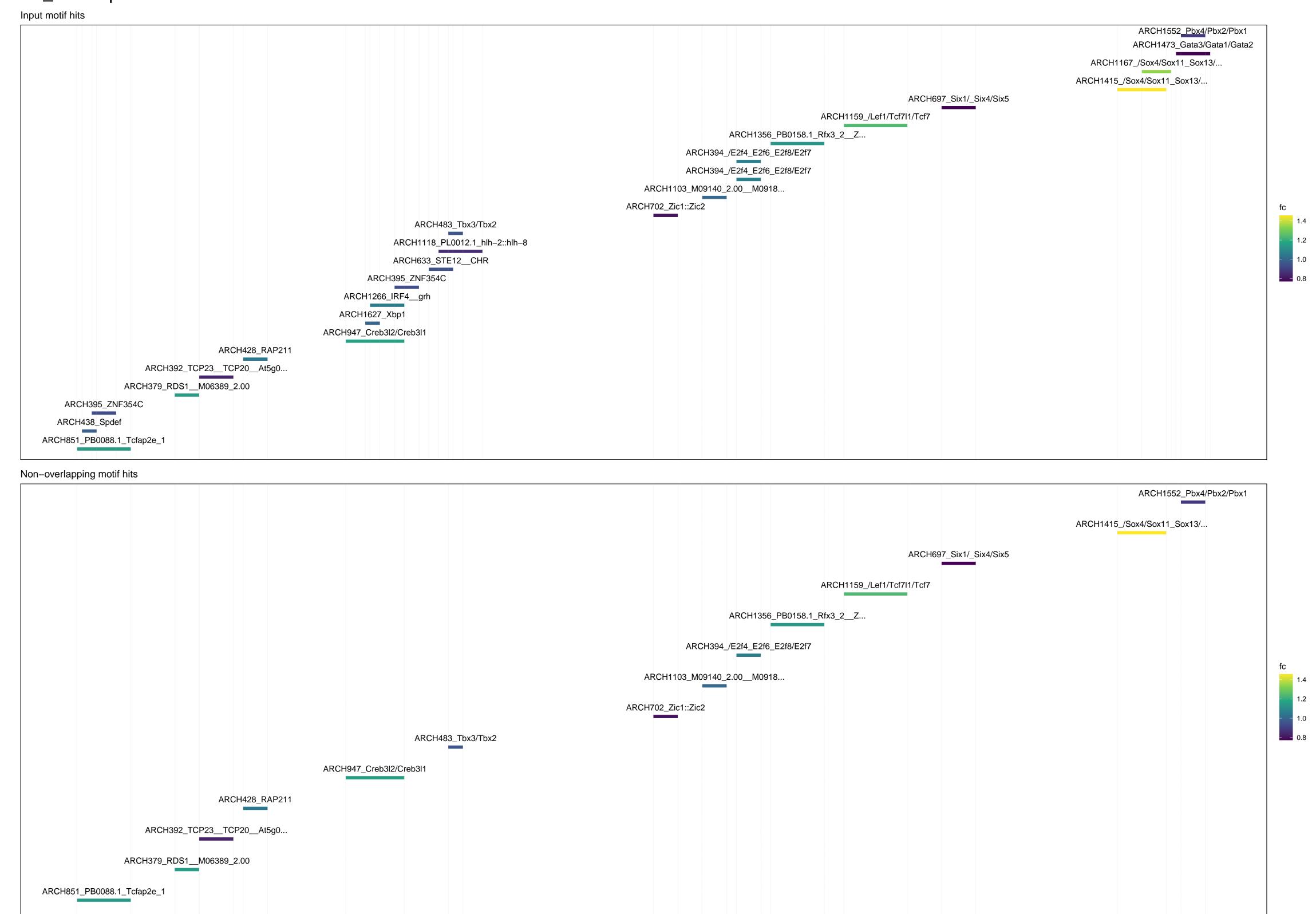
ecto_aboral peak79821 Input motif hits ARCH699_TEAD4 ARCH438_Spdef ARCH700_TEAD3__TEAD1 ARCH1138_/Sox4/Sox11_Sox13/... ARCH1178_/Sox4/Sox11_Foxd2/... ARCH103_Hnf1a/Hnf1b ARCH103_Hnf1a/Hnf1b ARCH1260_Yy1 ARCH445_M03750_2.00__M03751... ARCH273_HOXD3 ARCH1503_Meis3/Meis2/Meis1_... 1.50 1.25 1.00 ARCH1391_MYB113 ARCH504_Pax5/Pax8/Pax2 ARCH717_SOX12 ARCH1533_BHLH112 ARCH1420_RUNX2 ARCH438_Spdef ARCH954_Foxn4/Foxn1 ARCH647_Smad2/Smad3_Smad9/S... ARCH647_Smad2/Smad3_Smad9/S... ARCH861_Scrt2/Scrt1 Non-overlapping motif hits ARCH438_Spdef ARCH1138_/Sox4/Sox11_Sox13/... ARCH103_Hnf1a/Hnf1b ARCH1260_Yy1 ARCH445_M03750_2.00__M03751... ARCH1503_Meis3/Meis2/Meis1_... 1.75 ARCH1391_MYB113 1.50 1.25 ARCH504_Pax5/Pax8/Pax2 1.00 ARCH717_SOX12 ARCH1420_RUNX2 ARCH438_Spdef ARCH954_Foxn4/Foxn1

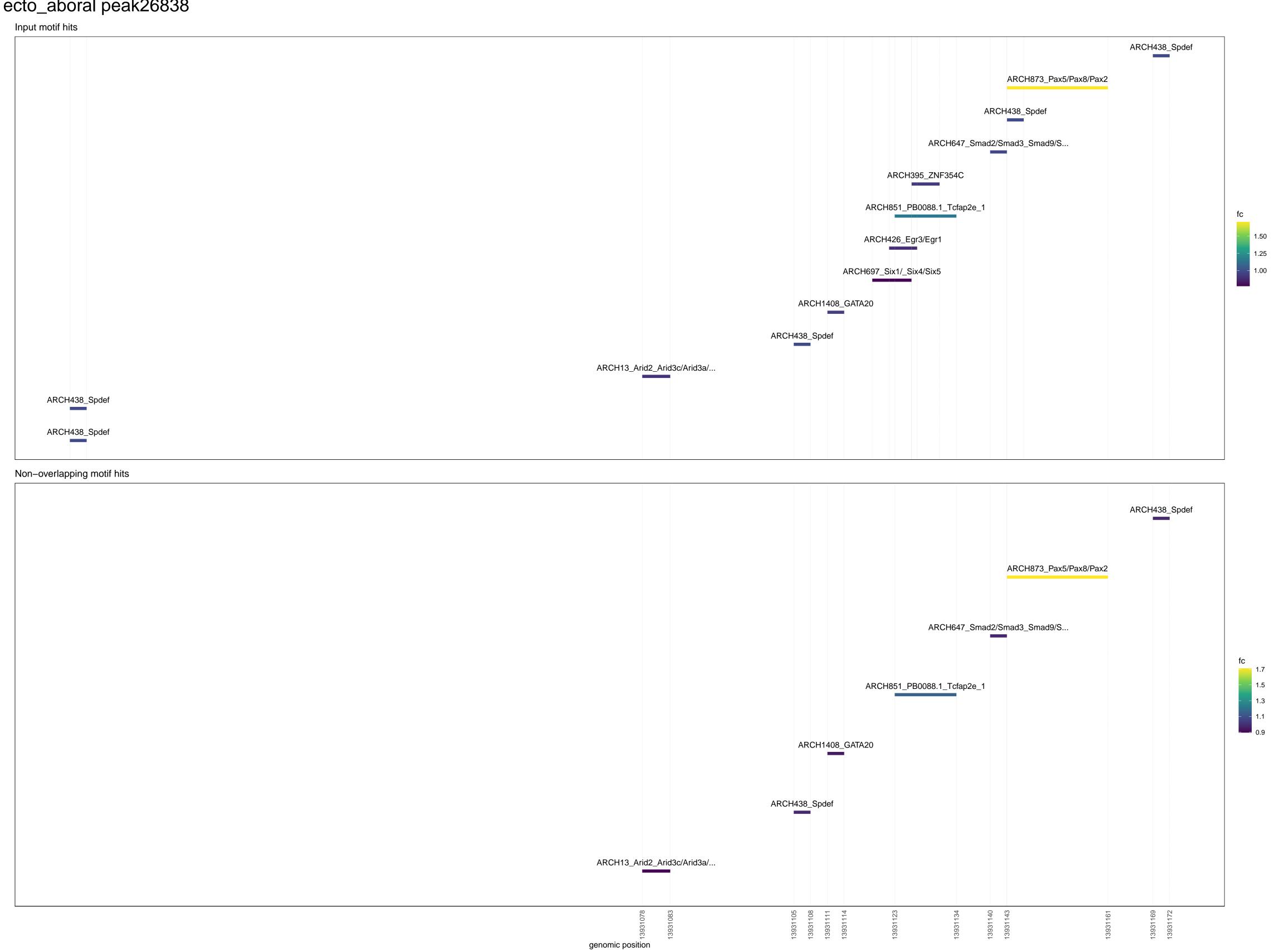
ARCH647_Smad2/Smad3_Smad9/S...



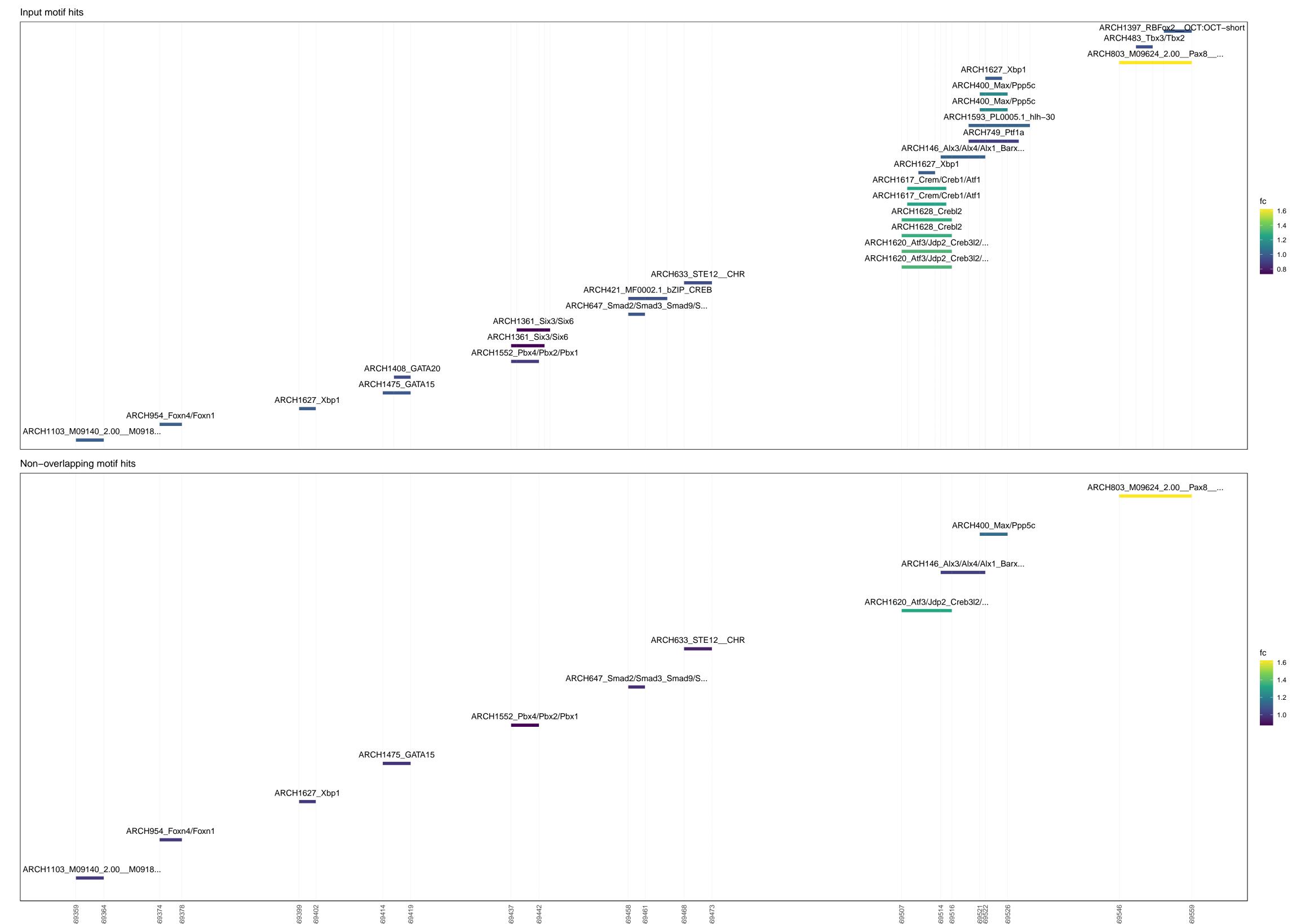


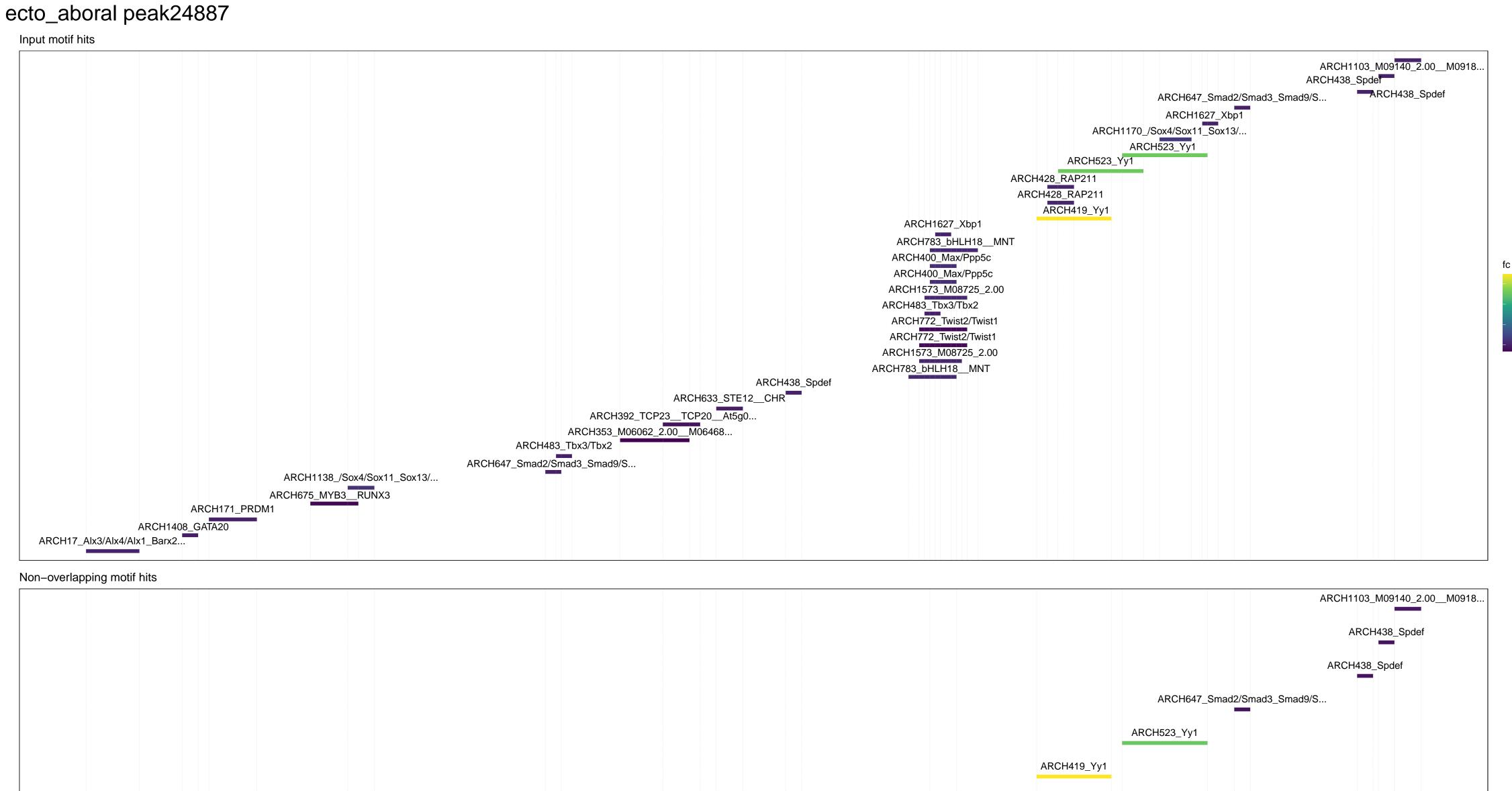


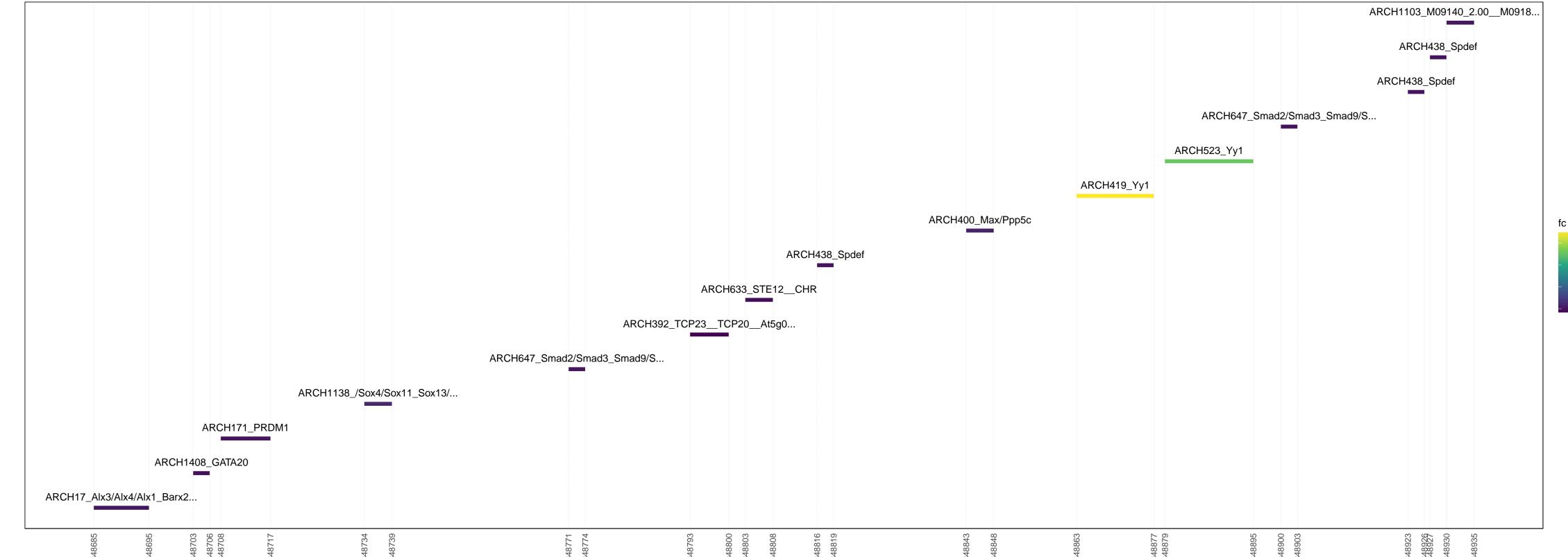


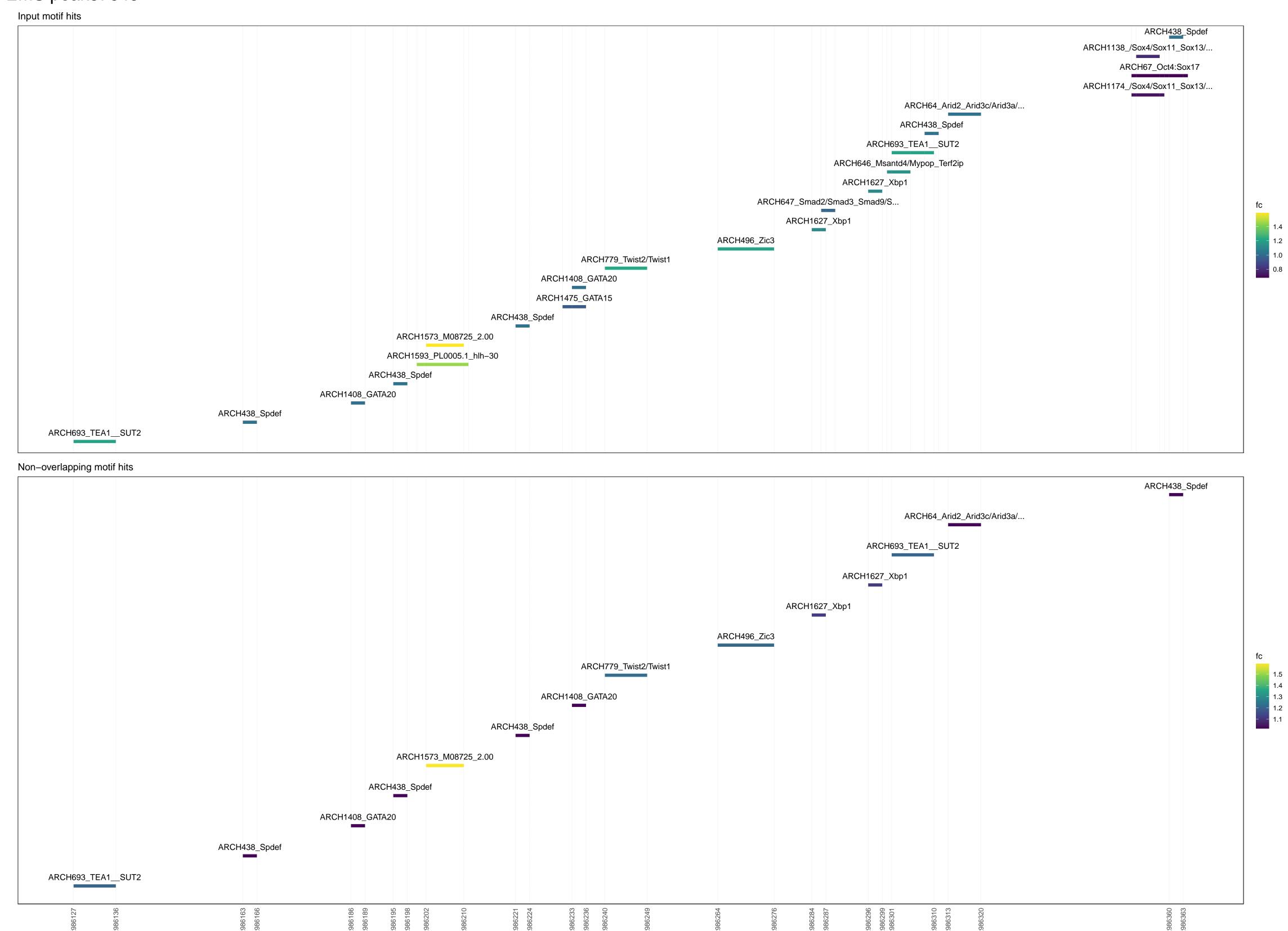


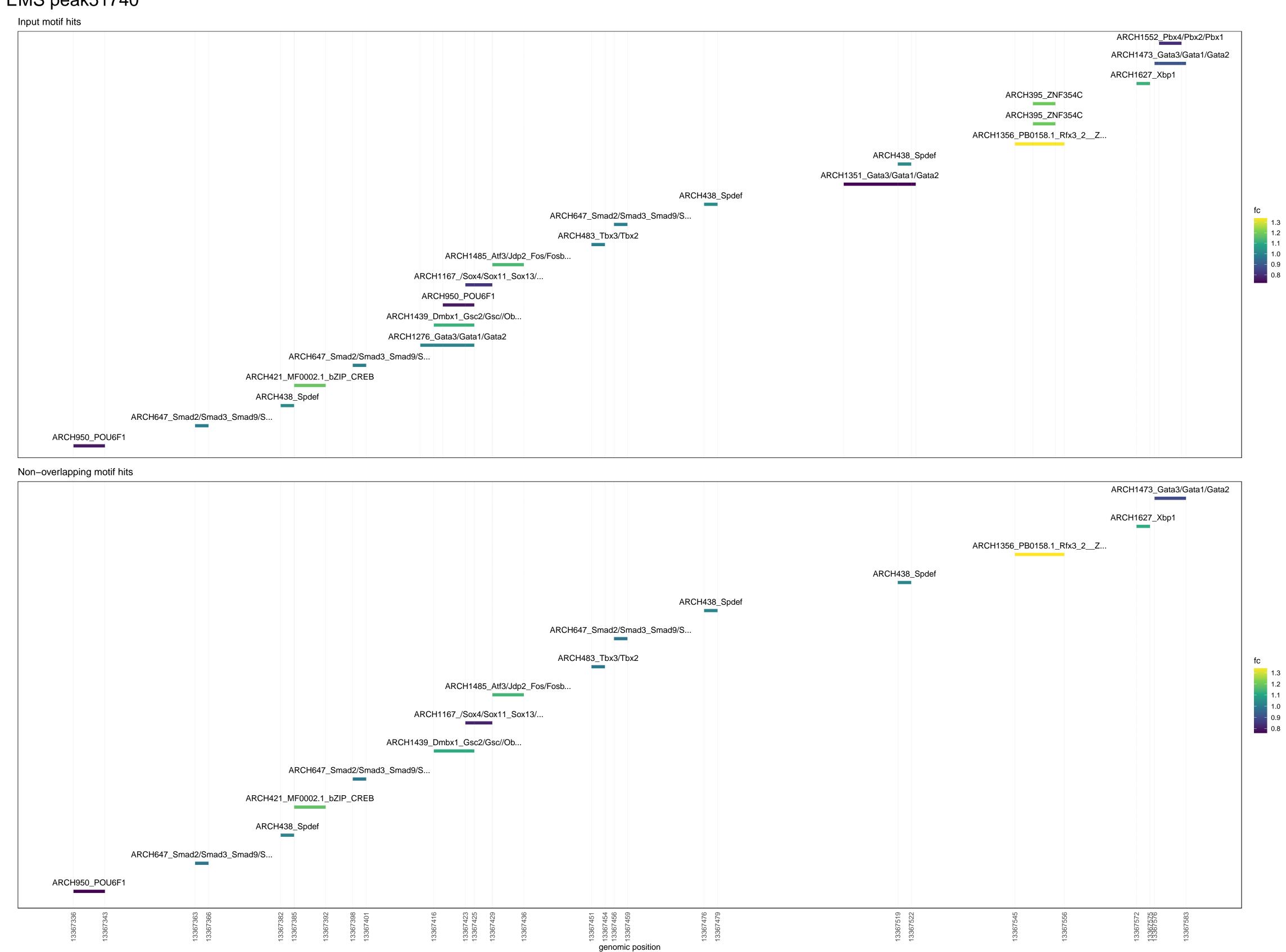
ecto_aboral peak79721 Input motif hits

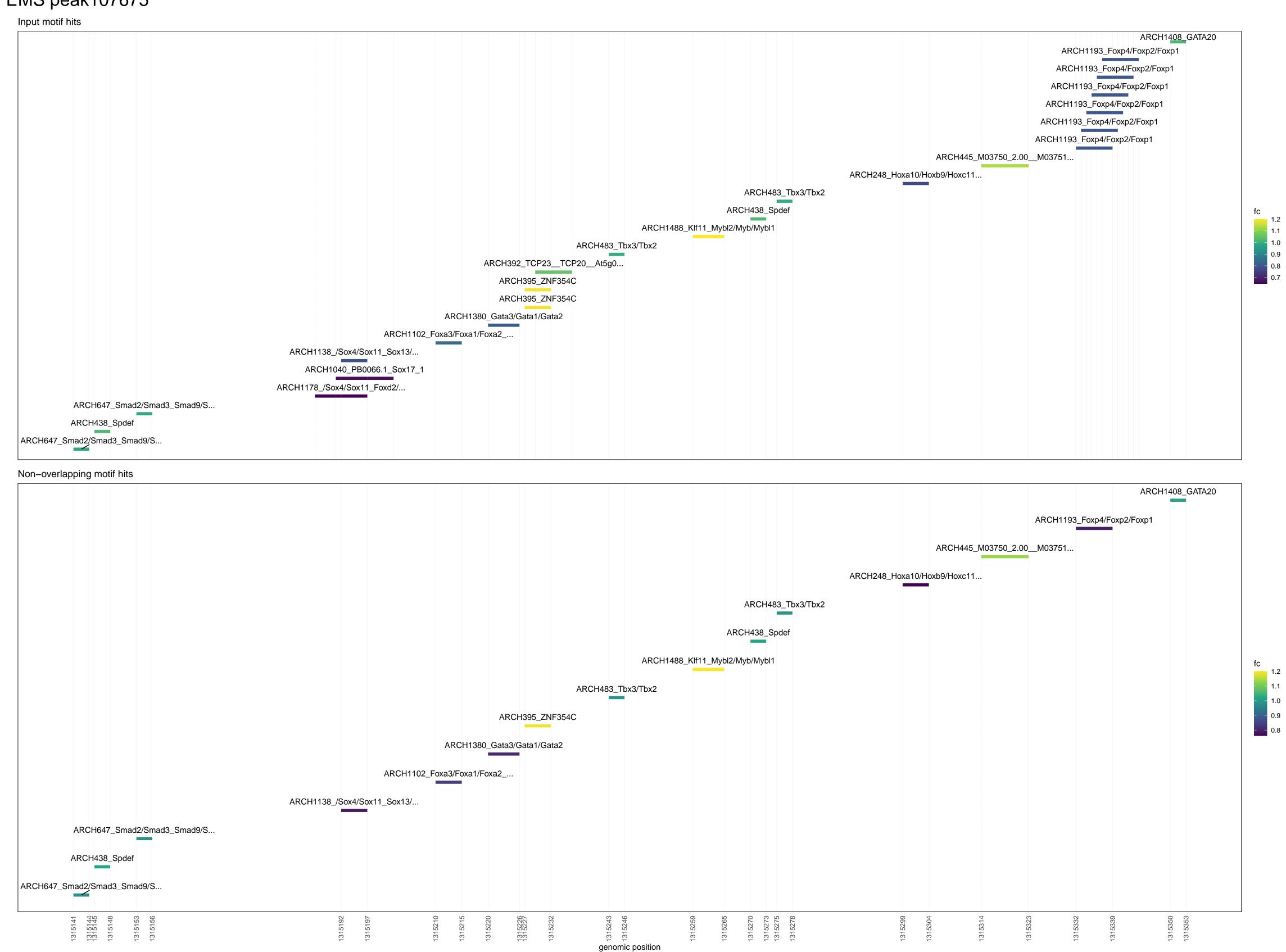


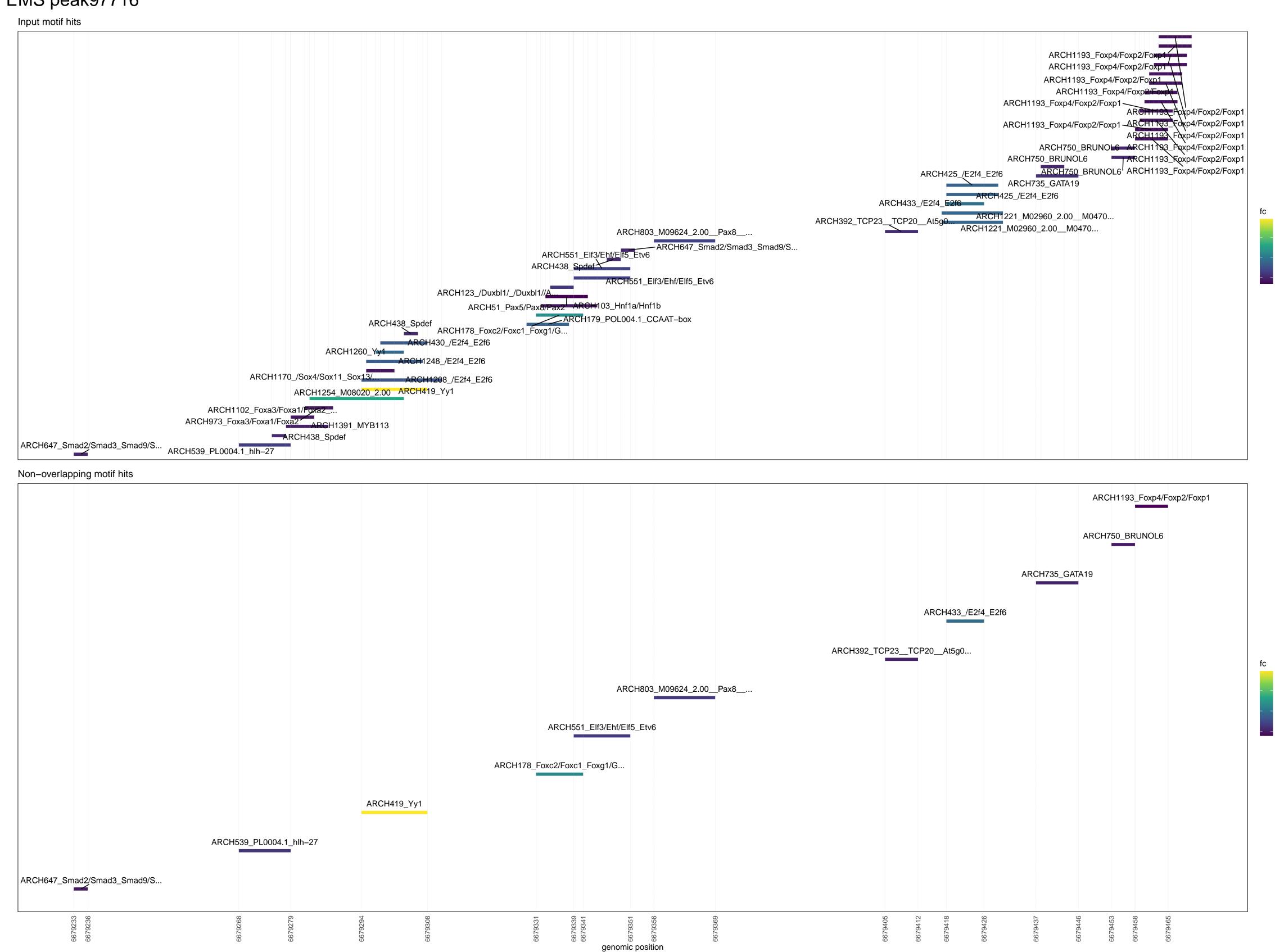


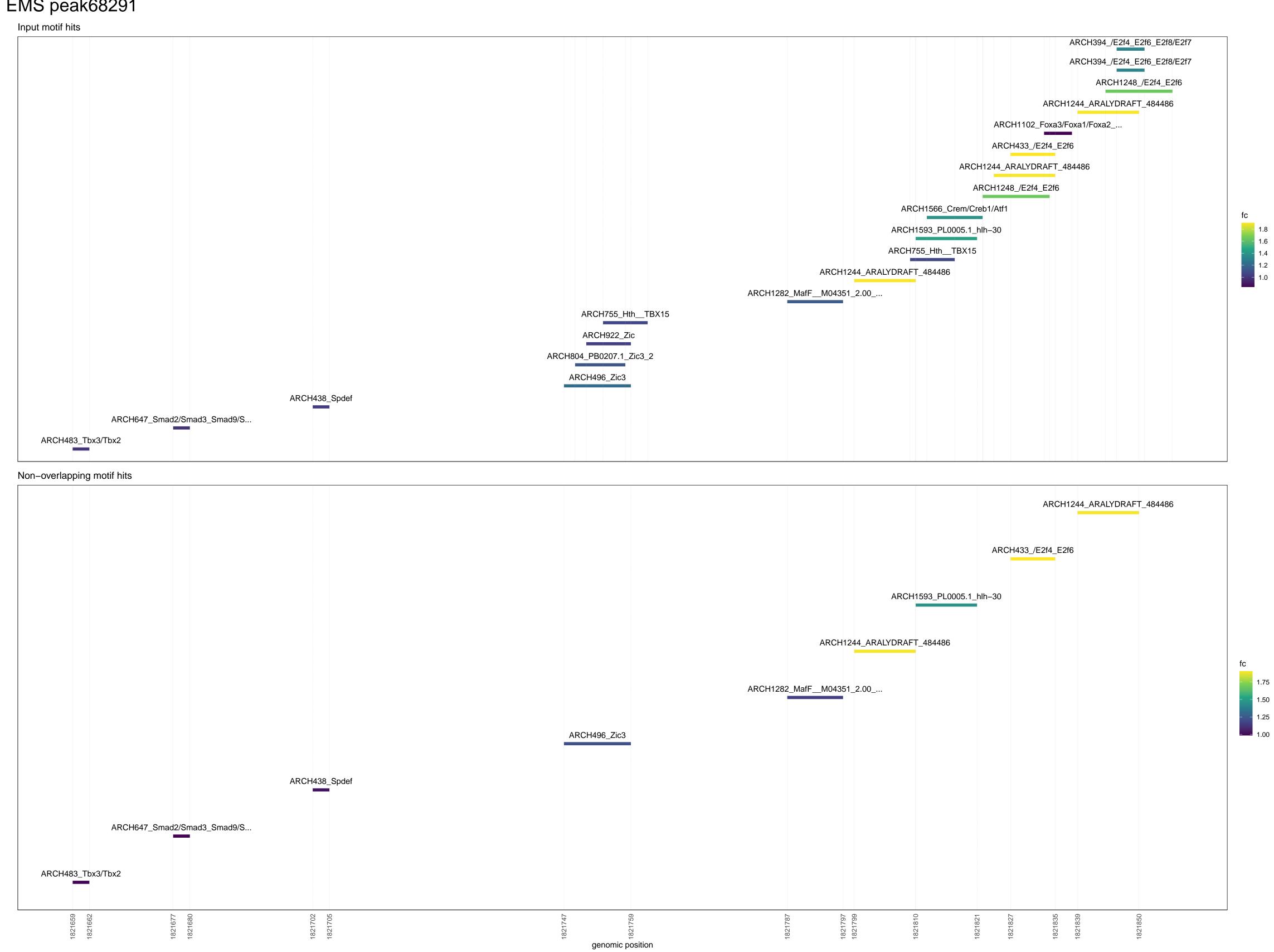


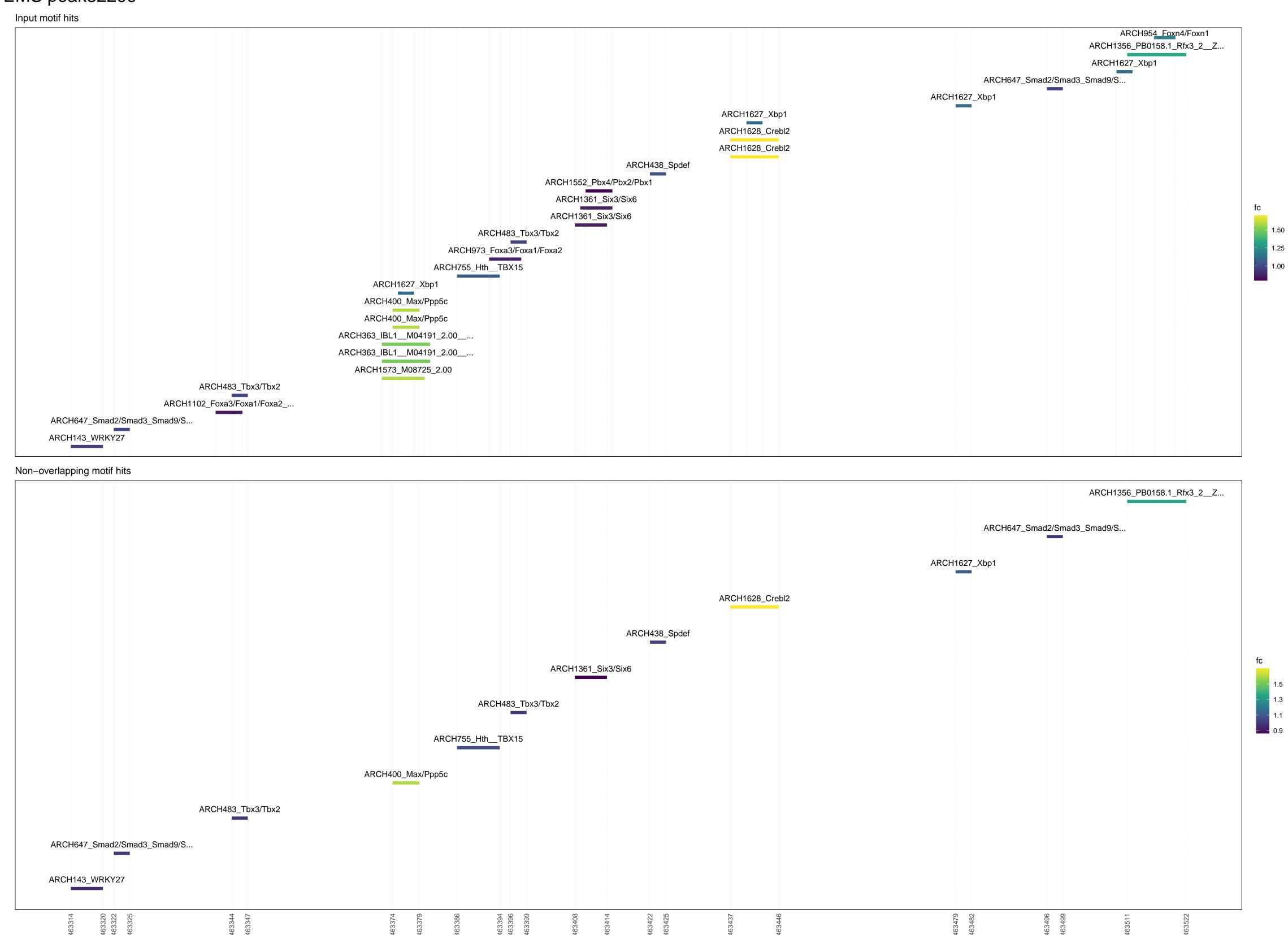


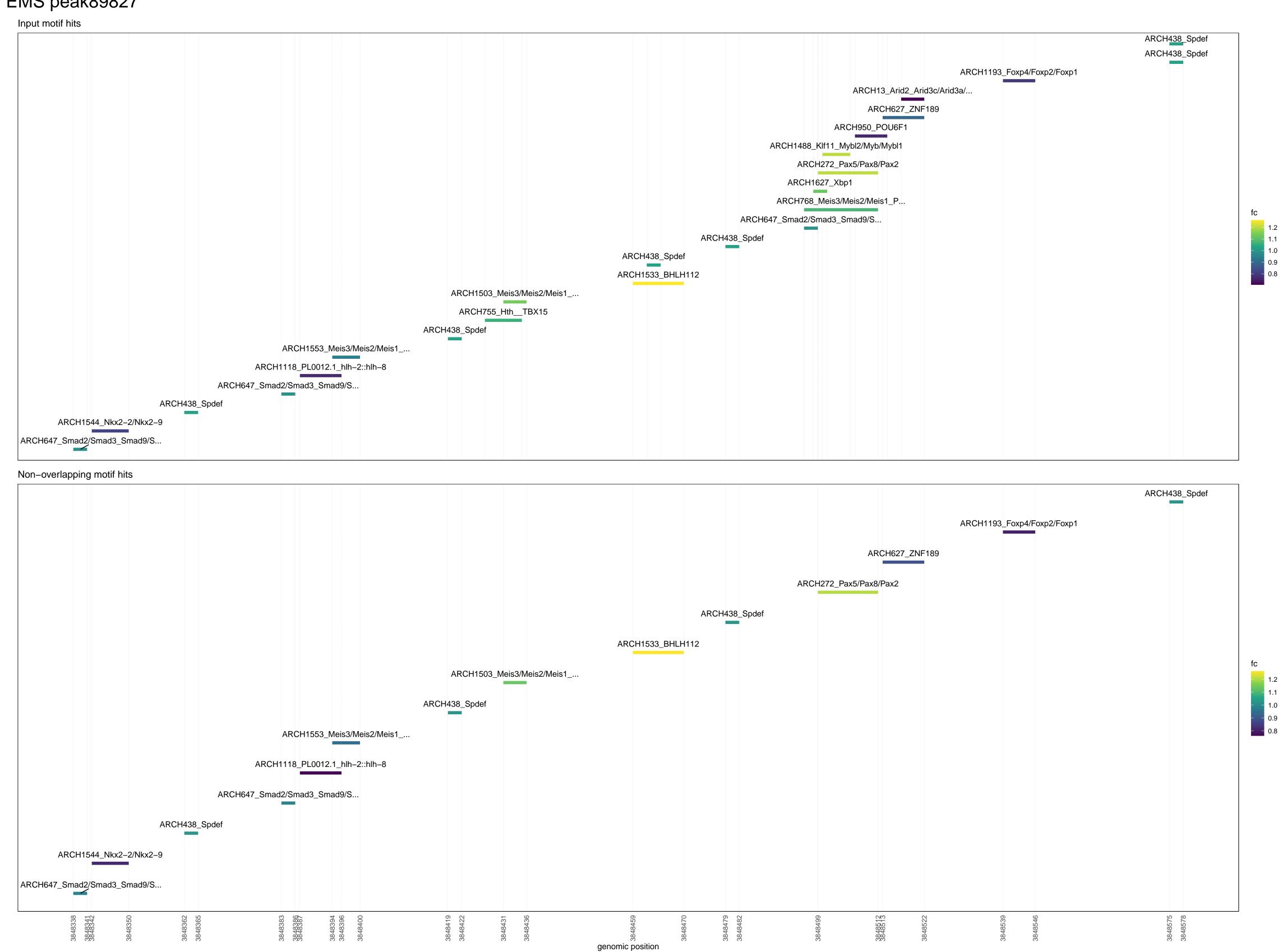


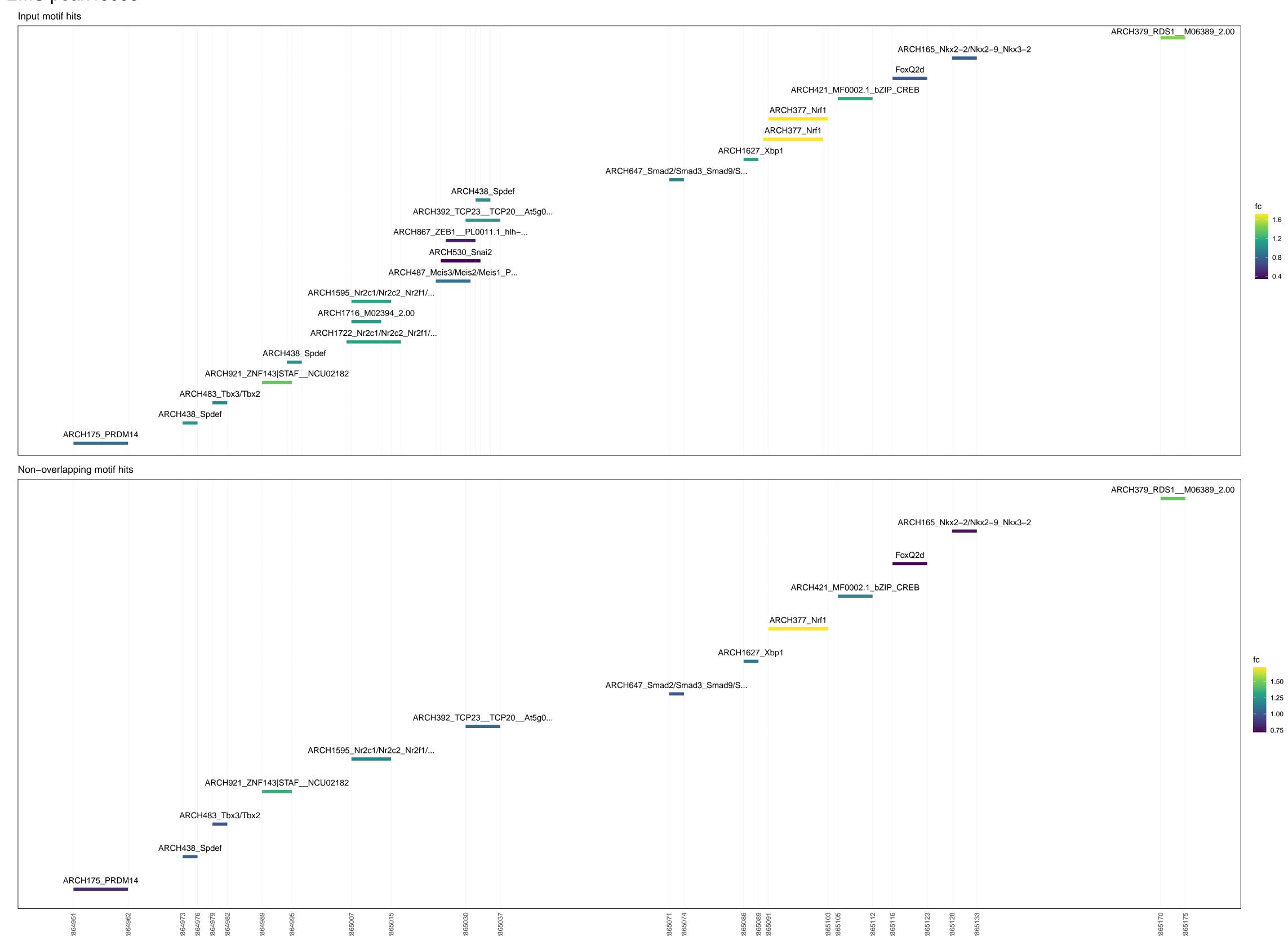


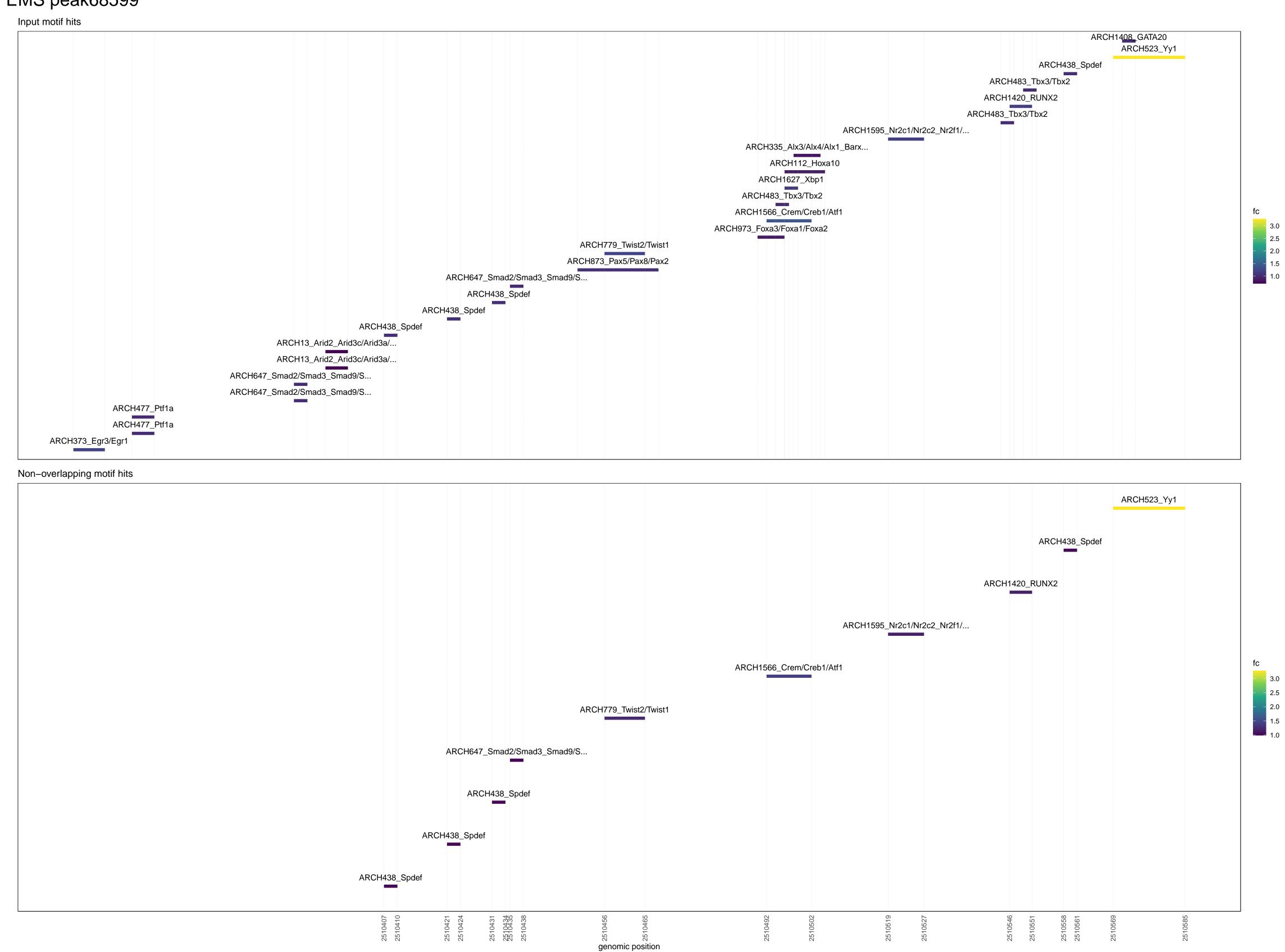


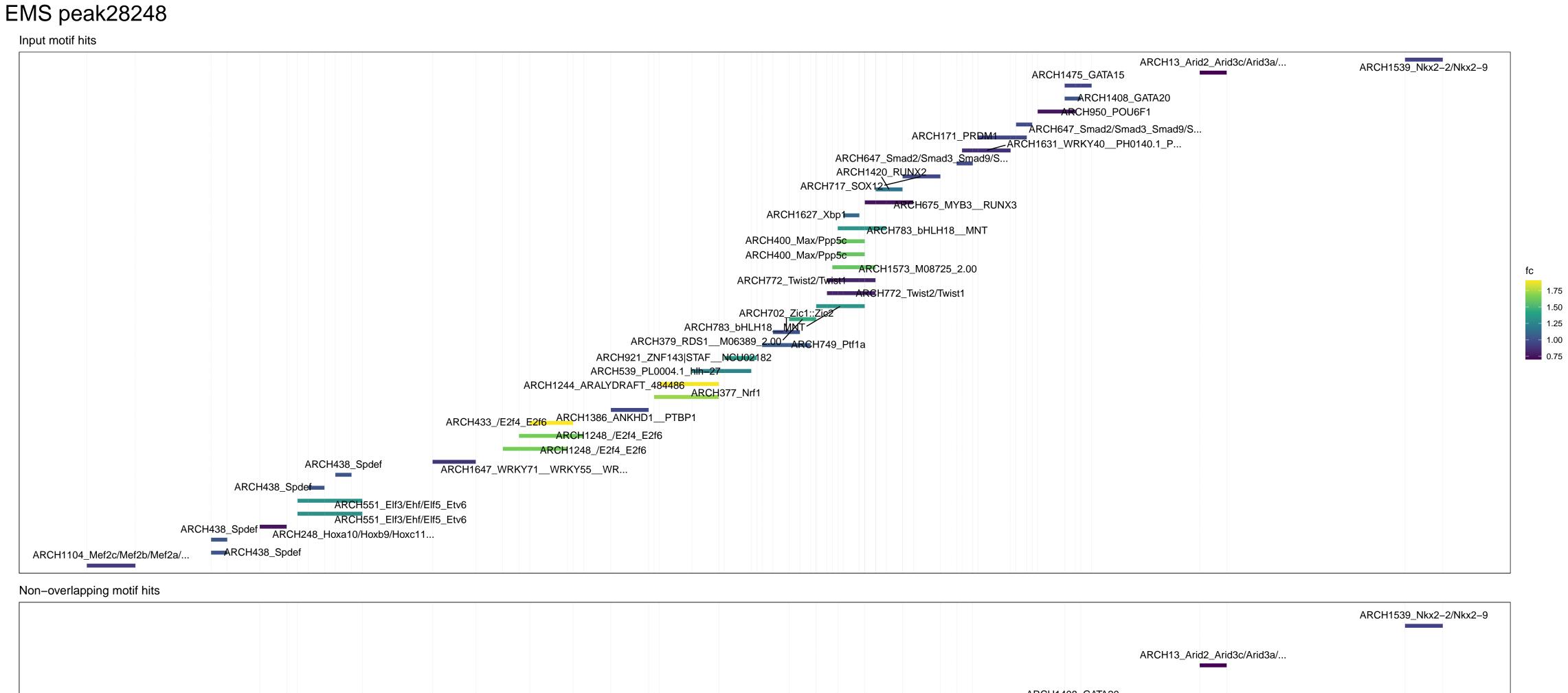


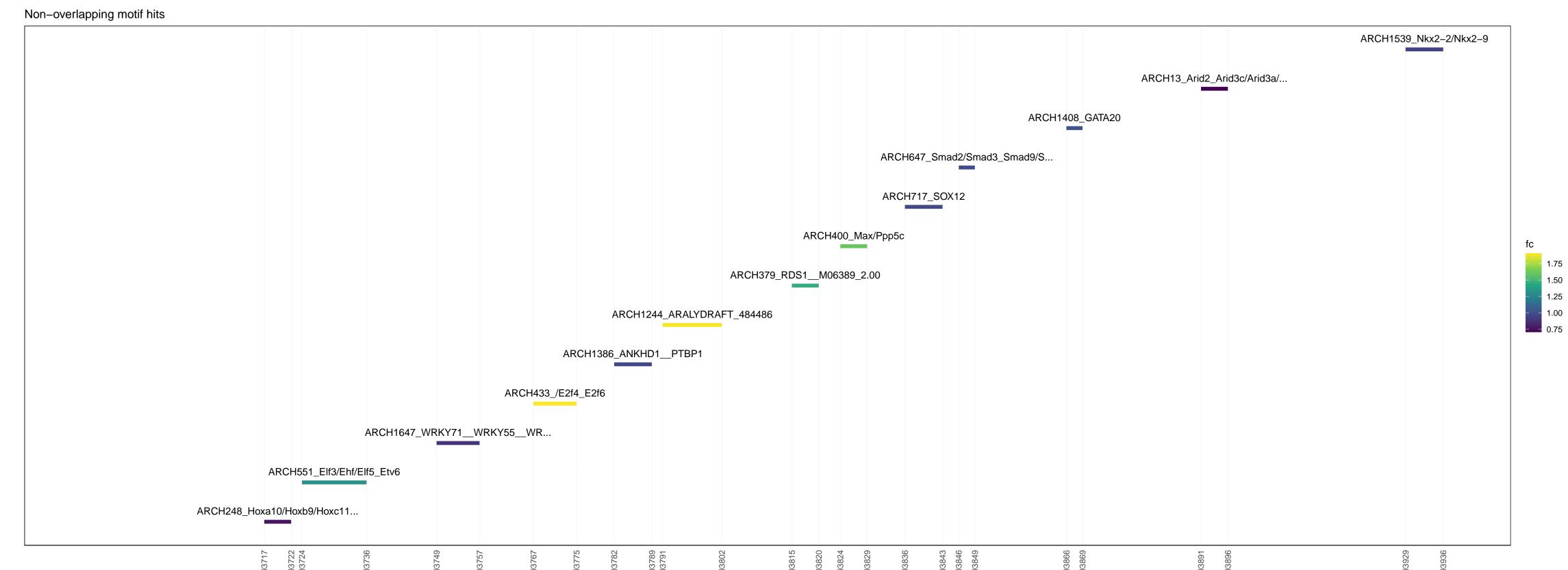


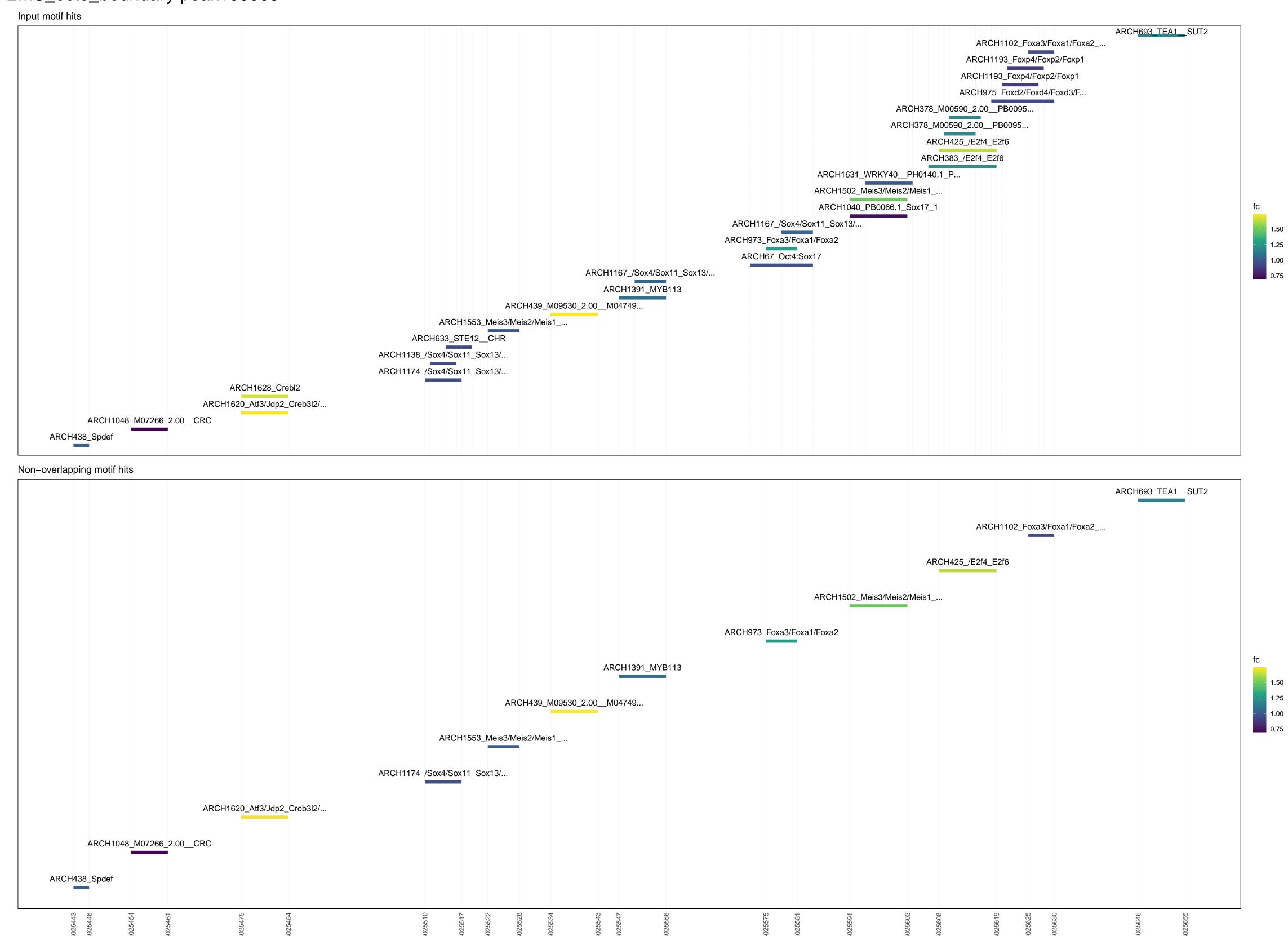


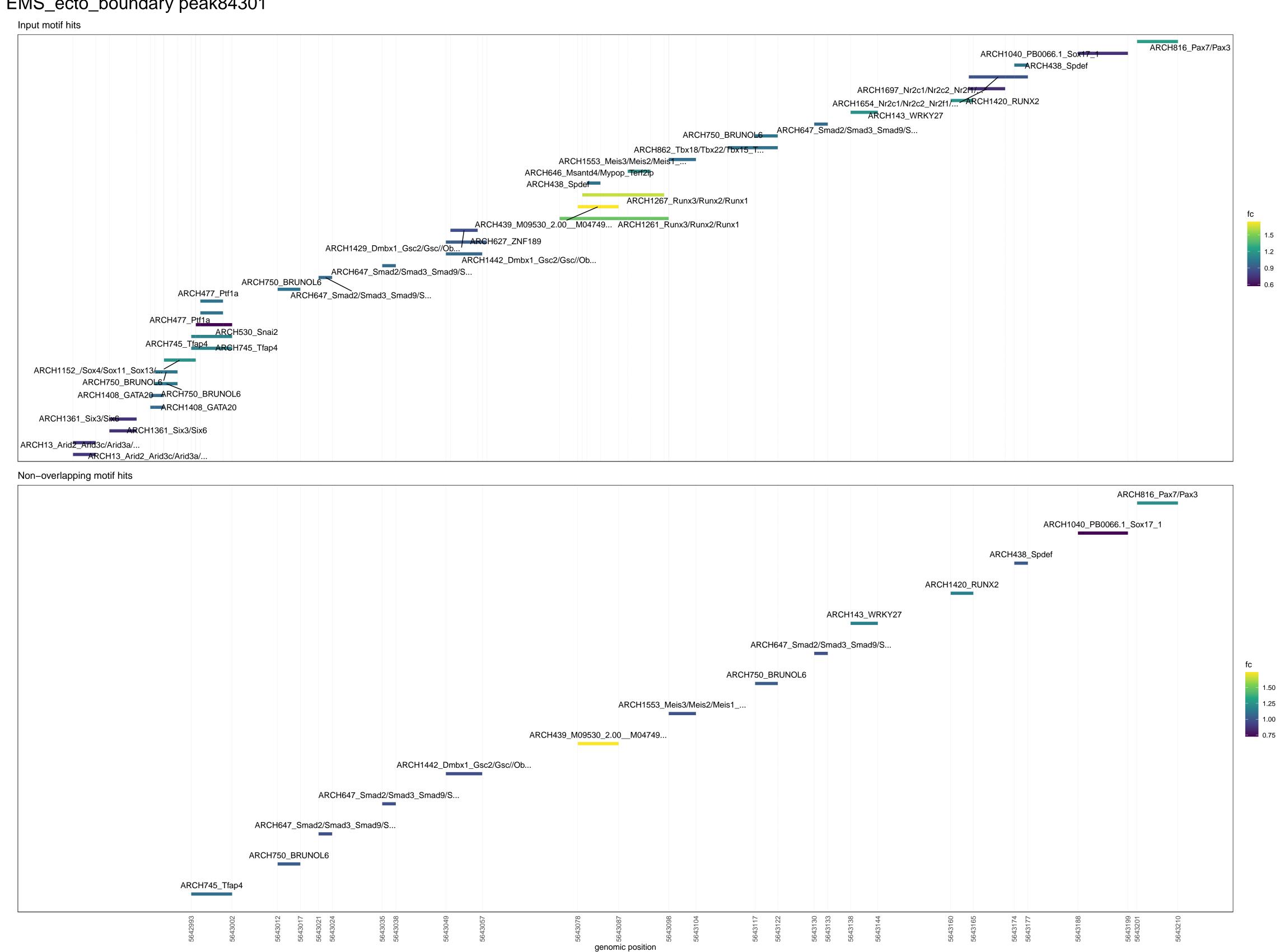


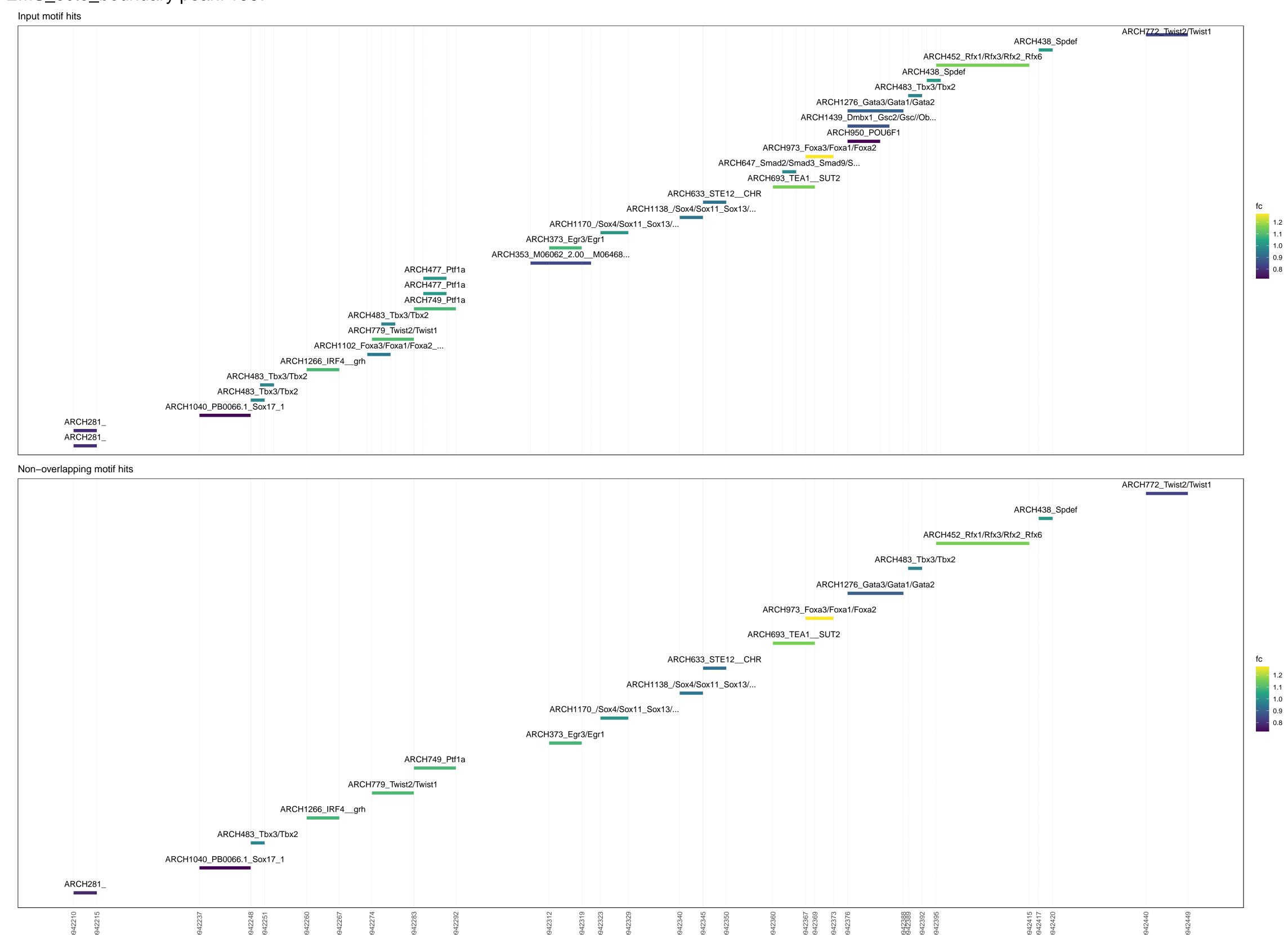


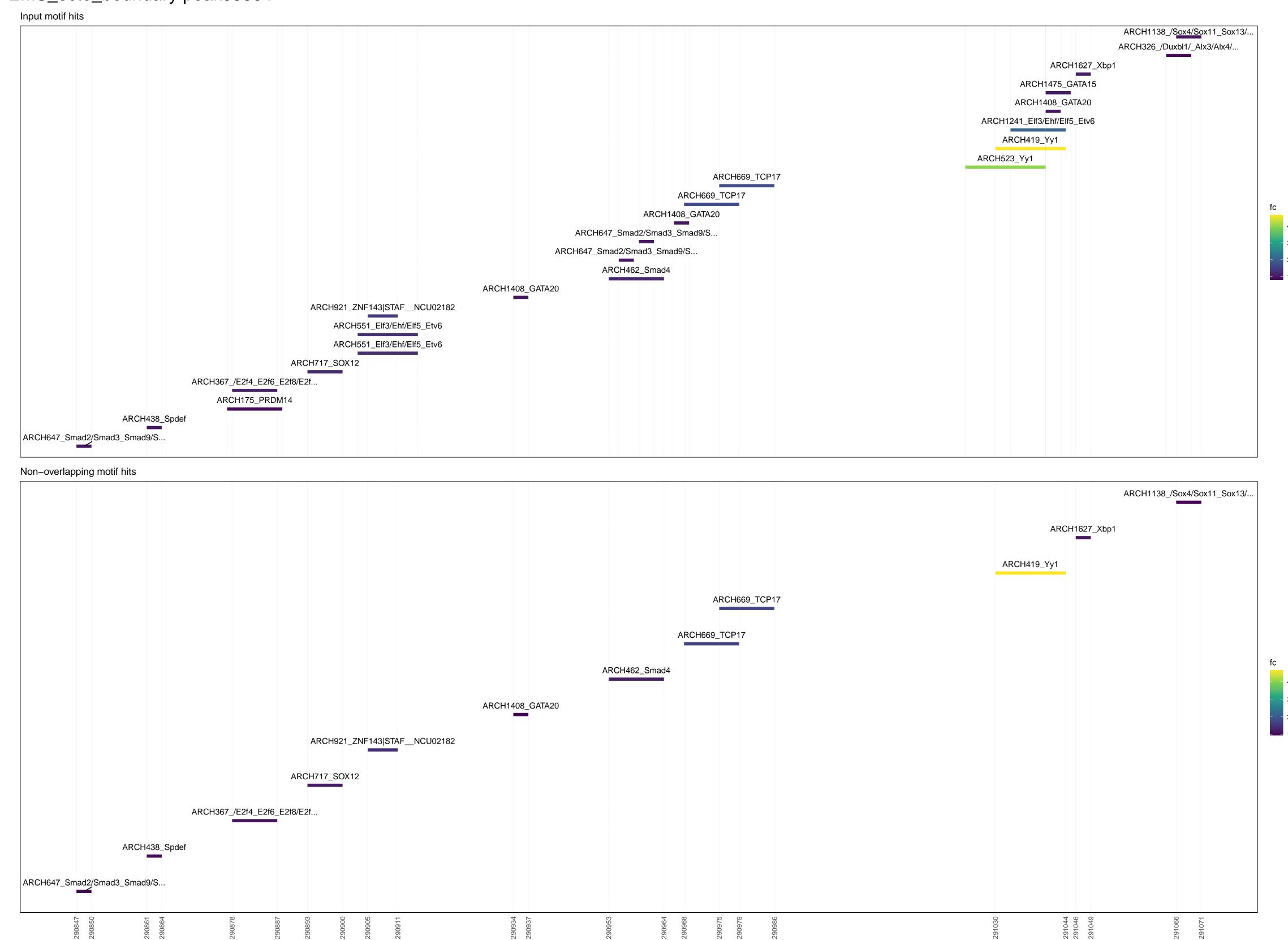


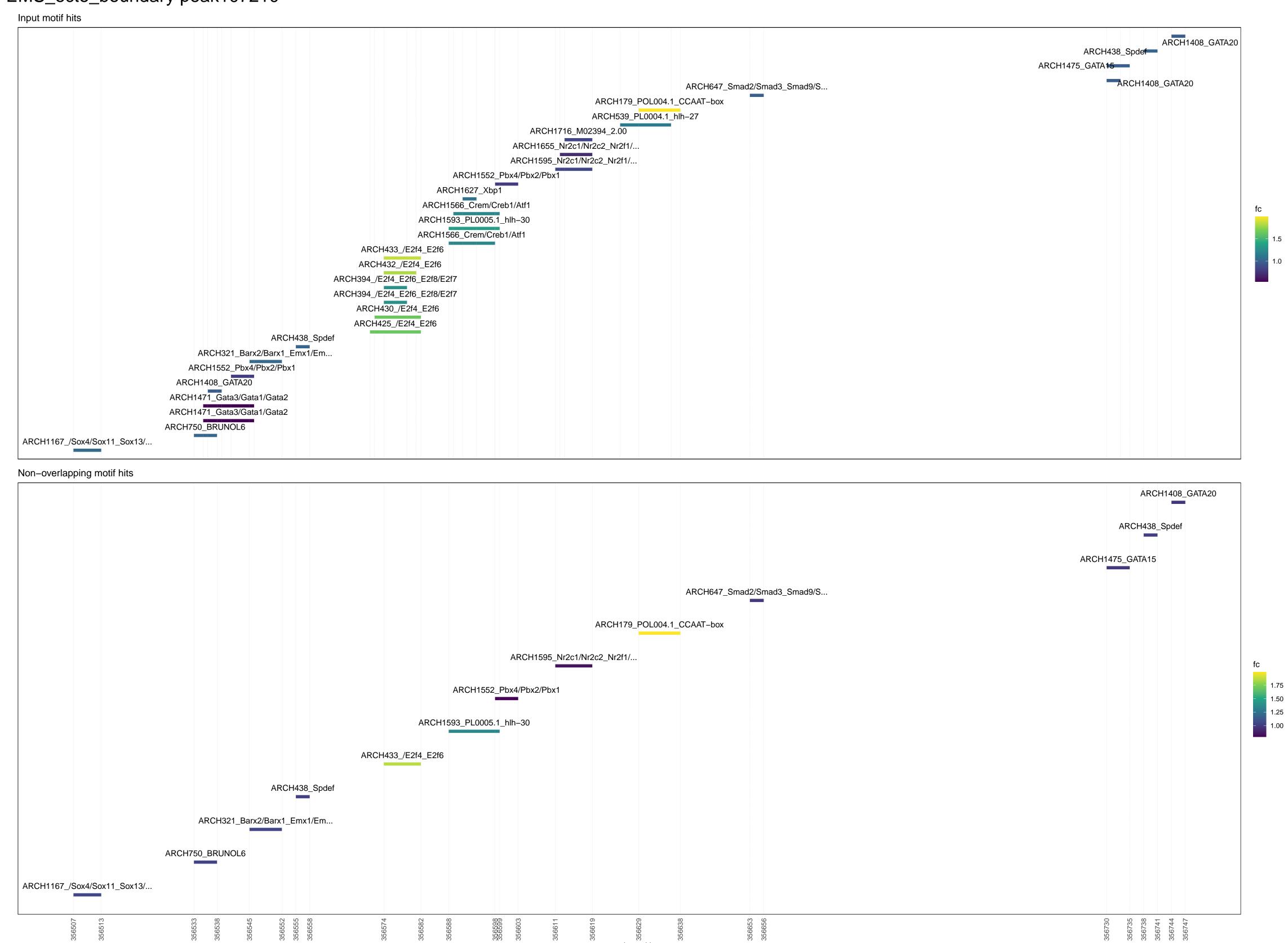


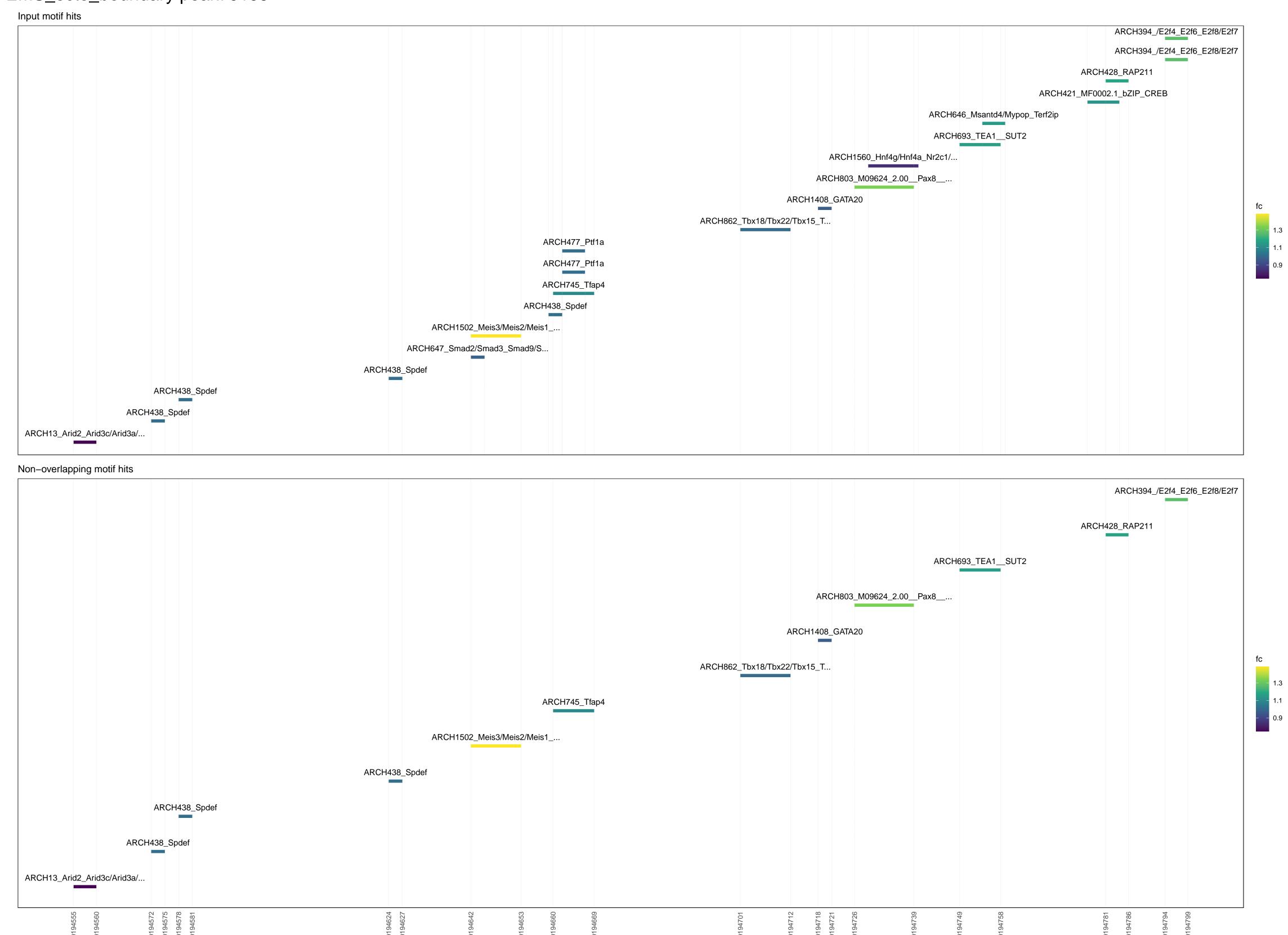


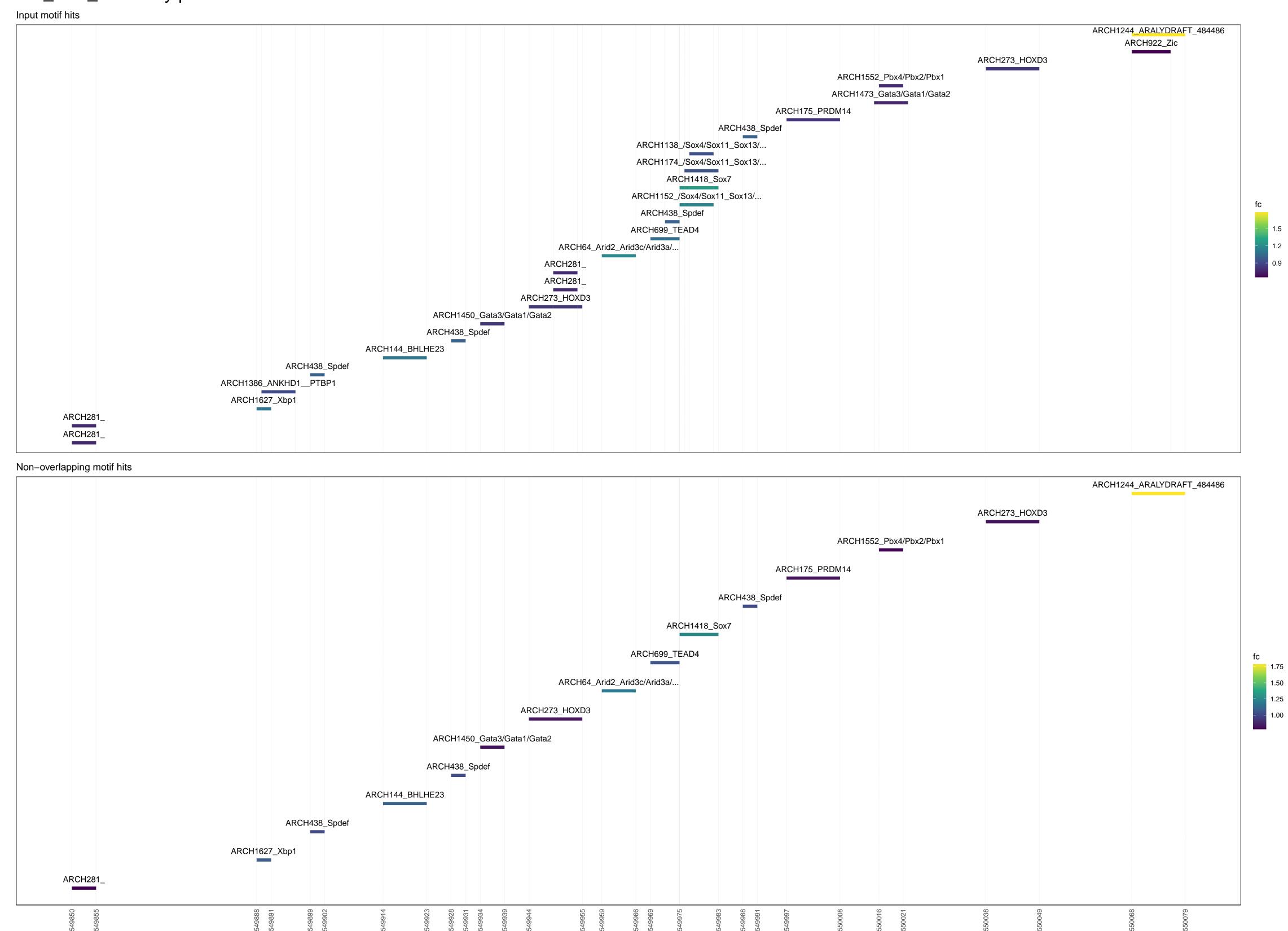


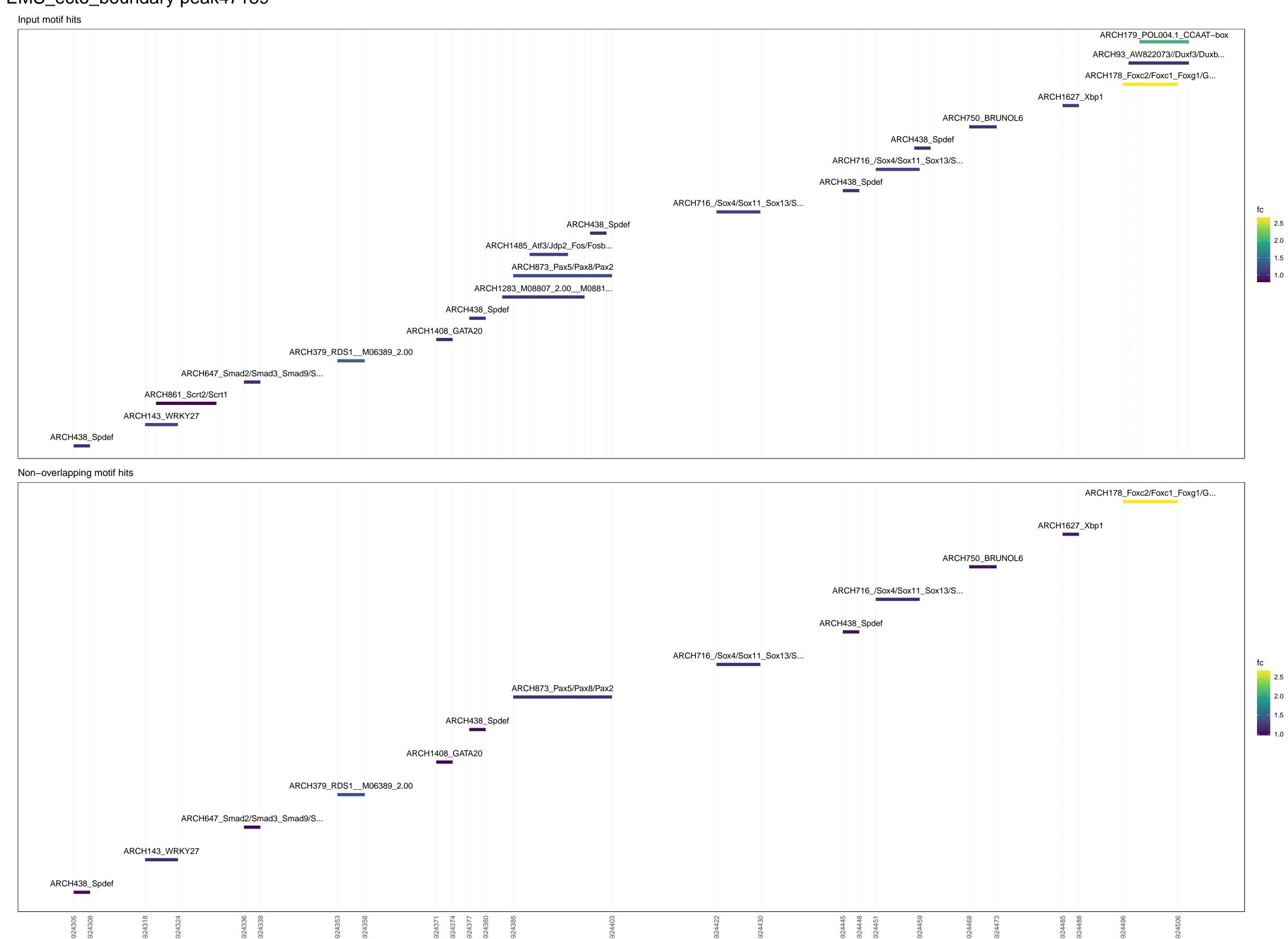


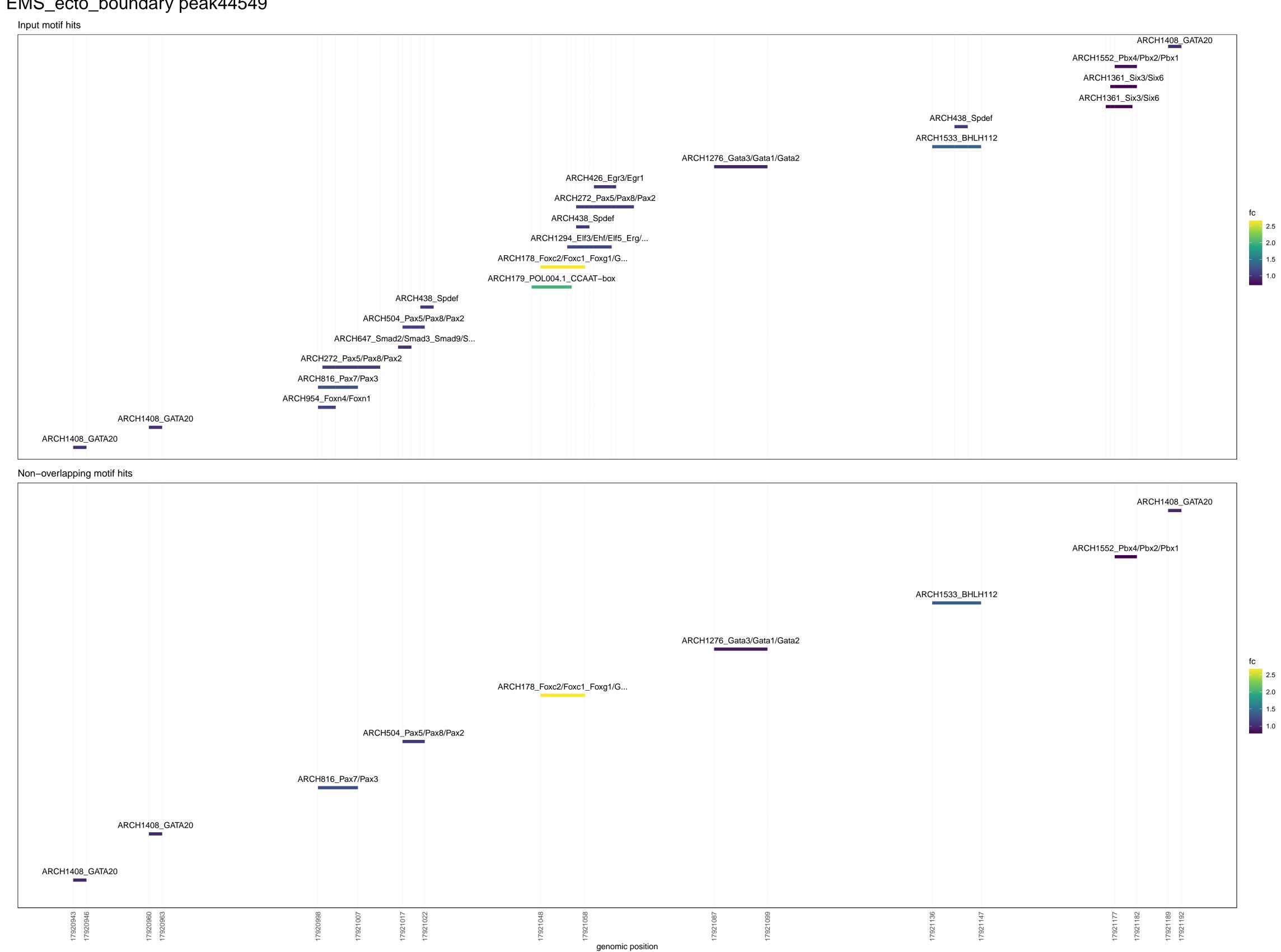


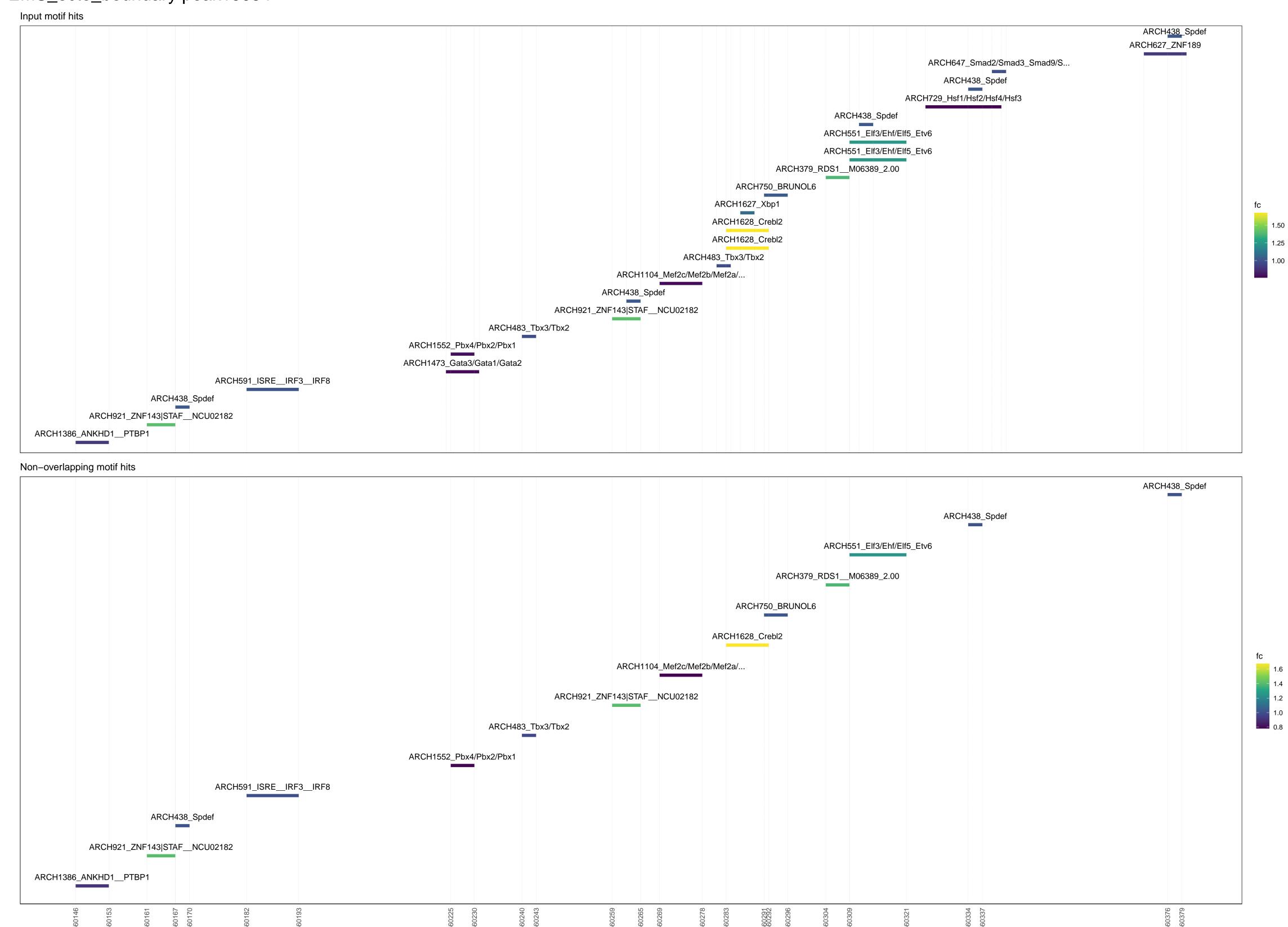




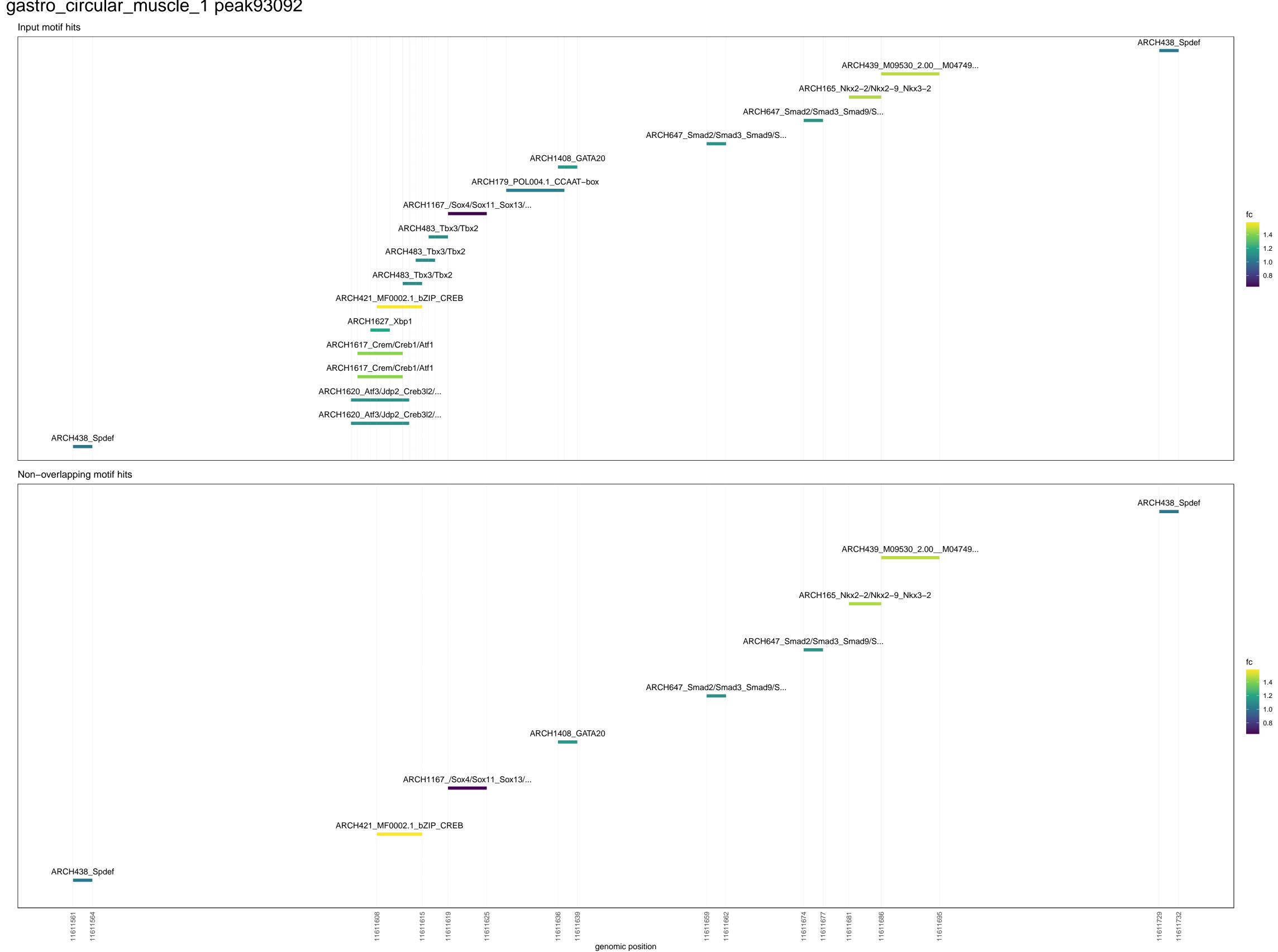






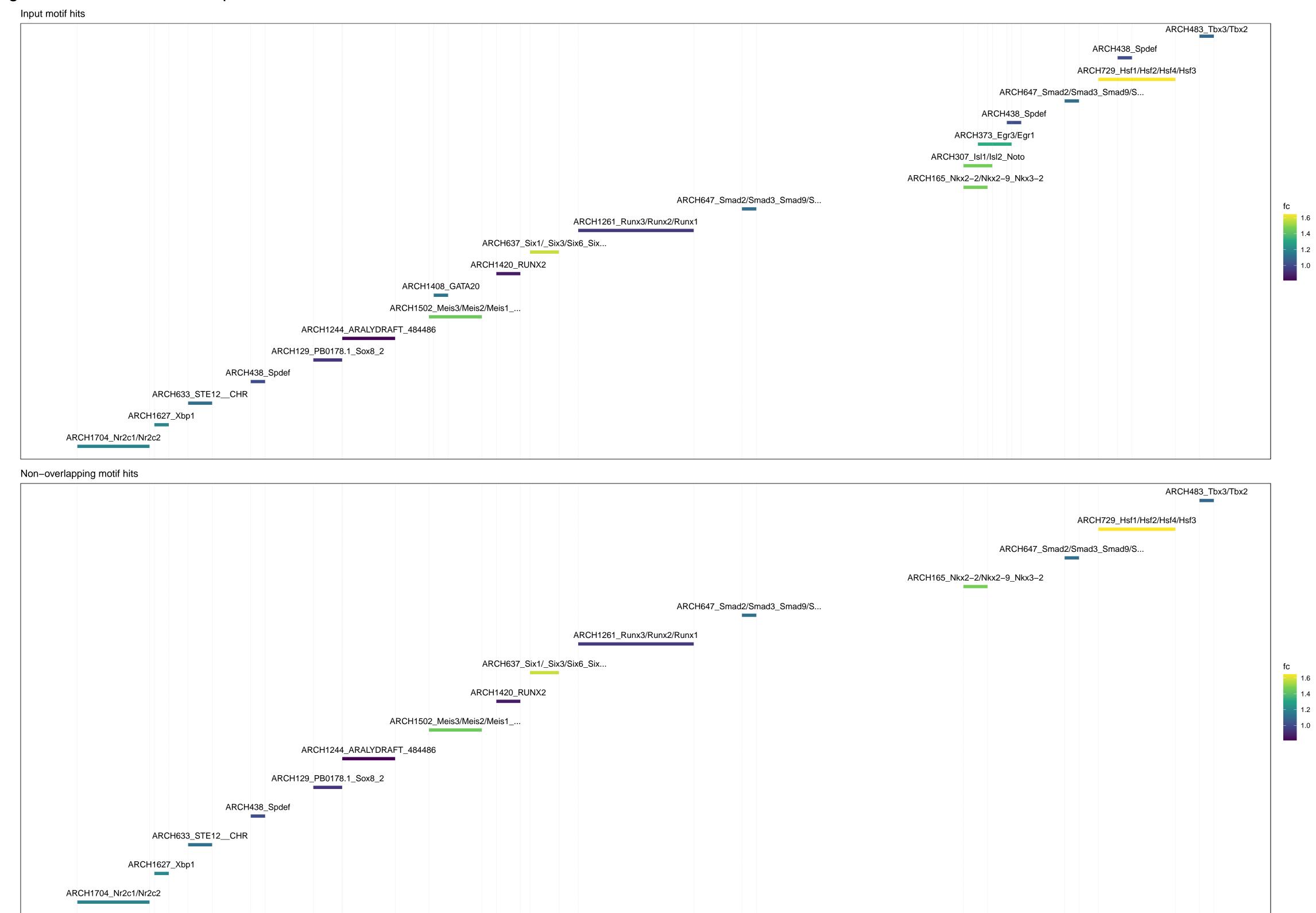


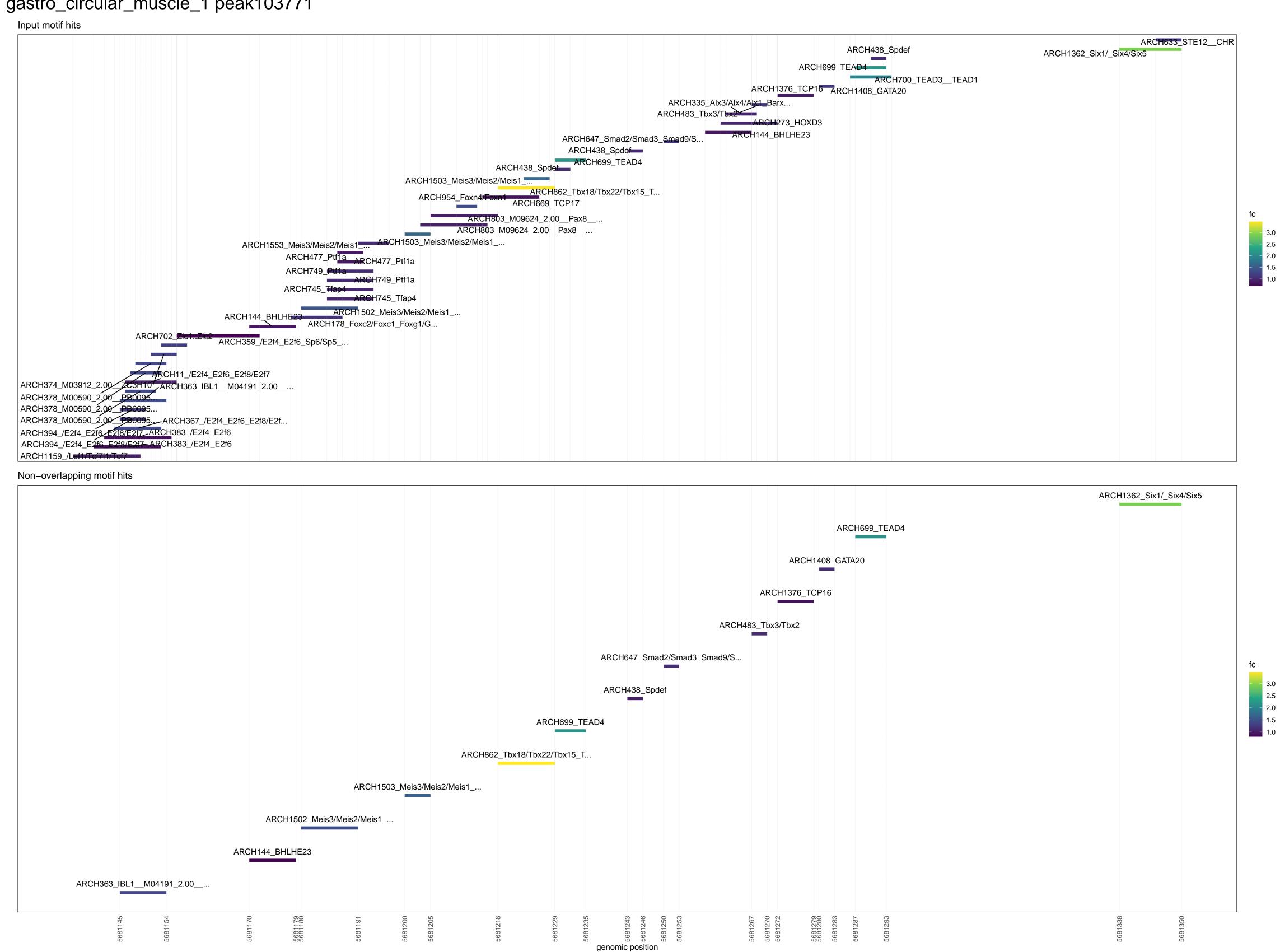
gastro_circular_muscle_1 peak93092

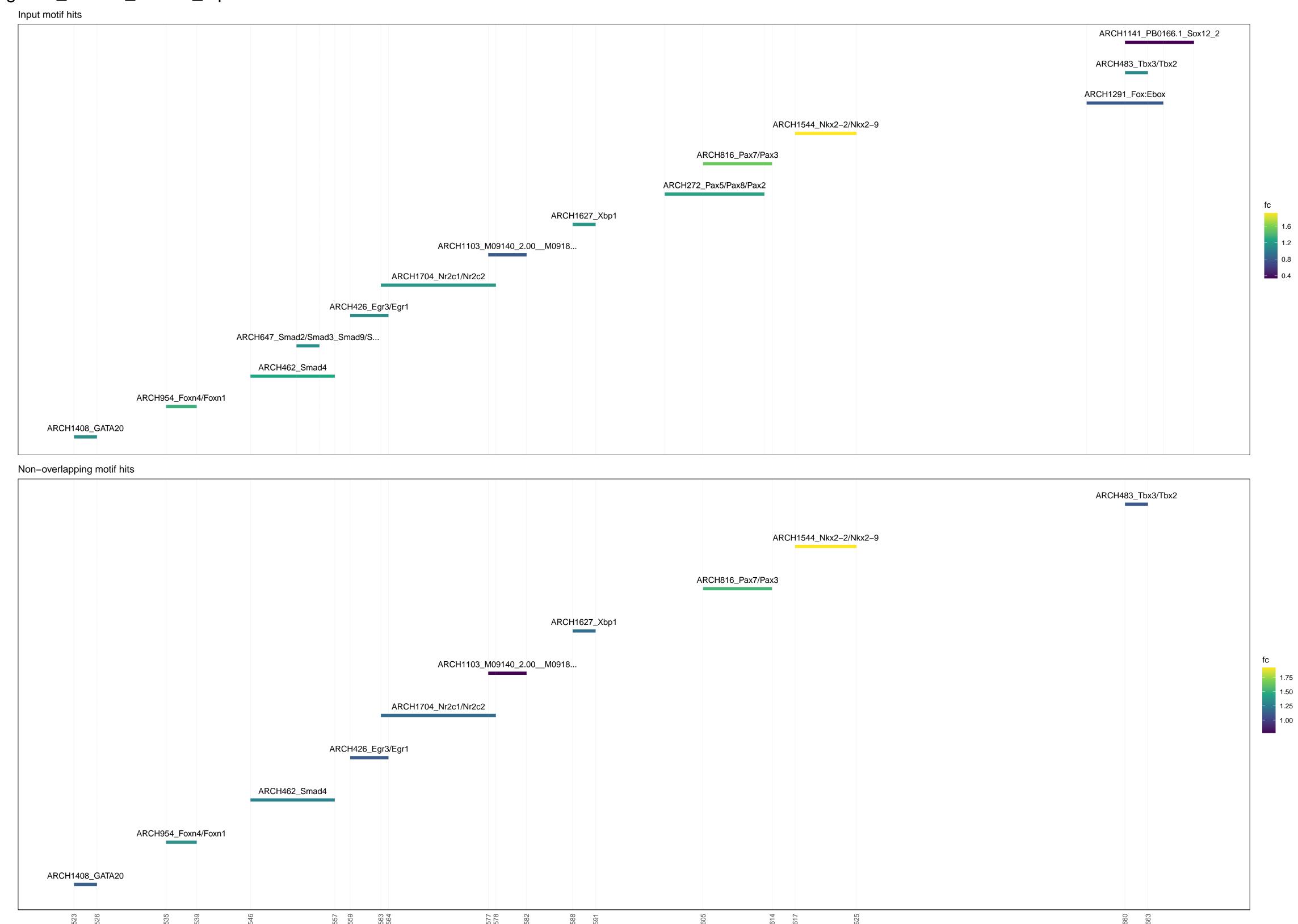


gastro_circular_muscle_1 peak34462 Input motif hits ARCH647_Smad2/Smad3_Smad9/S... ARCH1159_/Lef1/Tcf7l1/Tcf7 ARCH954_Foxn4/Foxn1 ARCH647_Smad2/Smad3_Smad9/S... ARCH954_Foxn4/Foxn1 ARCH438_Spdef ARCH647_Smad2/Smad3_Smad9/S.____ ARCH954_Foxn4/Foxn1 ARCH477_Ptf1a ARCH954_Foxn4/Foxn1 ARCH175_PRDM14 ARCH1521_Nkx2-2/Nkx2-9 ARCH633_STE12__CHR ARCH1547_FOXB1 3.0 ARCH1654_Nr2c1/Nr2c2_Nr2f1/... - 2.5 - 2.0 - 1.5 - 1.0 ARCH1595_Nr2c1/Nr2c2_Nr2f1/... ARCH1655_Nr2c1/Nr2c2_Nr2f1/... ARCH1716_M02394_2.00 ARCH273_HOXD3 ARCH1722_Nr2c1/Nr2c2_Nr2f1/... ARCH851_PB0088.1_Tcfap2e_1 ARCH647_Smad2/Smad3_Smad9/S... ARCH1560_Hnf4g/Hnf4a_Nr2c1/... ARCH1560_Hnf4g/Hnf4a_Nr2c1/... ARCH483_Tbx3/Tbx2 ARCH973_Foxa3/Foxa1/Foxa2 ARCH1282_MafF__M04351_2.00_... ARCH1283_M08807_2.00__M0881... ARCH1283_M08807_2.00__M0881... Non-overlapping motif hits ARCH954_Foxn4/Foxn1 ARCH954_Foxn4/Foxn1 ARCH438_Spdef ARCH954_Foxn4/Foxn1 ARCH954_Foxn4/Foxn1 ARCH477_Ptf1a ARCH175_PRDM14 3.0 2.5 ARCH1521_Nkx2-2/Nkx2-9 2.0 1.5 ARCH633_STE12__CHR ARCH1722_Nr2c1/Nr2c2_Nr2f1/... ARCH851_PB0088.1_Tcfap2e_1 ARCH1560_Hnf4g/Hnf4a_Nr2c1/... ARCH1560_Hnf4g/Hnf4a_Nr2c1/... ARCH1282_MafF__M04351_2.00_...

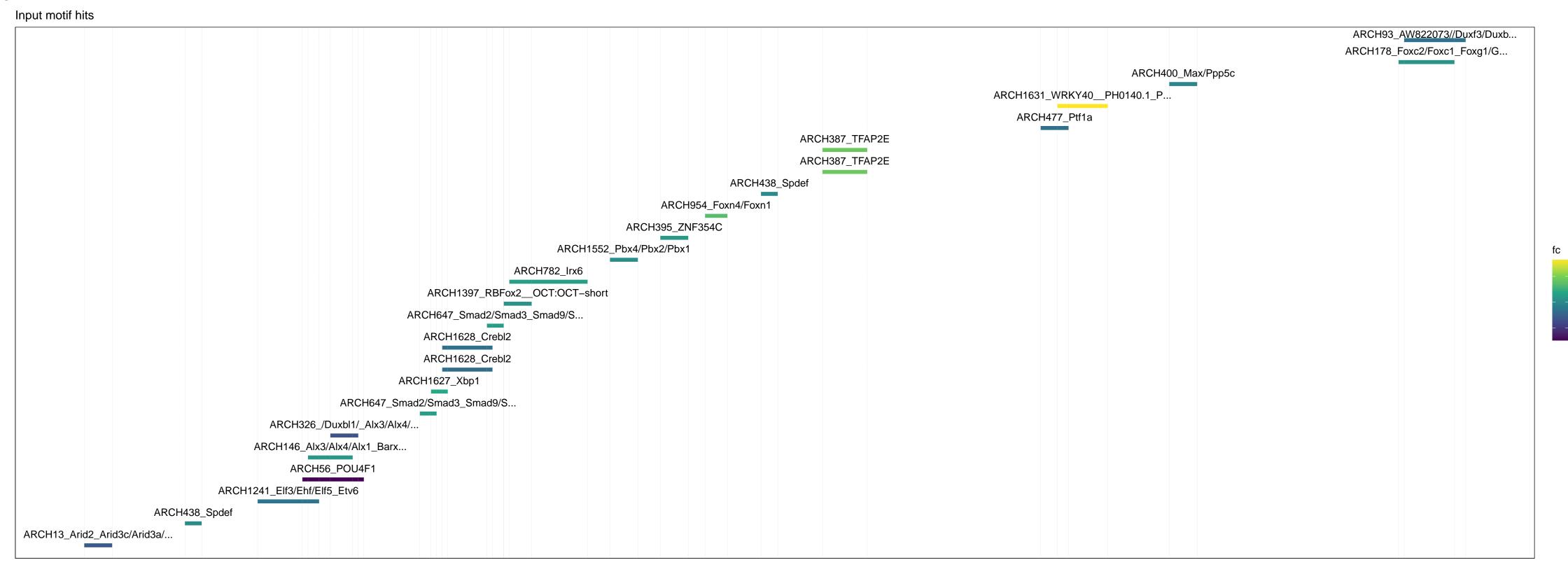
gastro_circular_muscle_1 peak27451 Input motif hits ARCH438_Spdef ARCH699_TEAD4 ARCH1488_Klf11_Mybl2/Myb/Mybl1 ARCH1307_Rfx1/Rfx3/Rfx2_Rfx6 ARCH438_Spdef ARCH430_/E2f4_E2f6 ARCH438_Spdef ARCH426_Egr3/Egr1 ARCH816_Pax7/Pax3 ARCH421_MF0002.1_bZIP_CREB ARCH816_Pax7/Pax3 ARCH421_MF0002.1_bZIP_CREB ARCH483_Tbx3/Tbx2 ARCH647_Smad2/Smad3_Smad9/S... ARCH954_Foxn4/Foxn1 ARCH647_Smad2/Smad3_Smad9/S.. ARCH647_Smad2/Smad3_Smad9/S... ARCH647_Smad2/Smad3_Smad9/S... ARCH1408_GATA20 ARCH1475_GATA15 ARCH1627_Xbp1 ARCH876_GBF5__bZIP3__AREB3_.. ARCH647_Smad2/Smad3_Smad9/S... Non-overlapping motif hits ARCH699_TEAD4 ARCH1488_Klf11_Mybl2/Myb/Mybl1 ARCH438_Spdef ARCH426_Egr3/Egr1 ARCH816_Pax7/Pax3 ARCH421_MF0002.1_bZIP_CREB ARCH816_Pax7/Pax3 ARCH421_MF0002.1_bZIP_CREB 2.00 1.75 ARCH483_Tbx3/Tbx2 1.50 1.25 ARCH647_Smad2/Smad3_Smad9/S... ARCH954_Foxn4/Foxn1 ARCH647_Smad2/Smad3_Smad9/S... ARCH647_Smad2/Smad3_Smad9/S... ARCH647_Smad2/Smad3_Smad9/S... ARCH1408_GATA20 ARCH1627_Xbp1 15221735 15221738 15221856 15221857 15221839 15221841

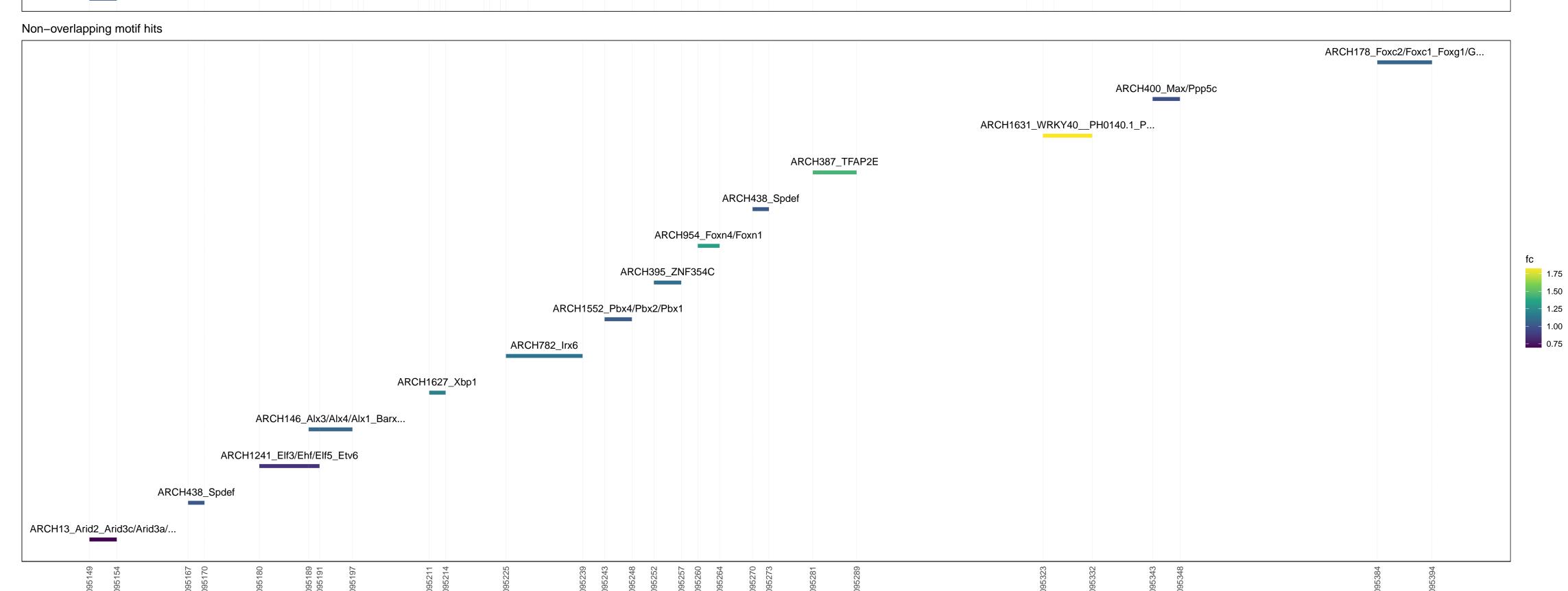




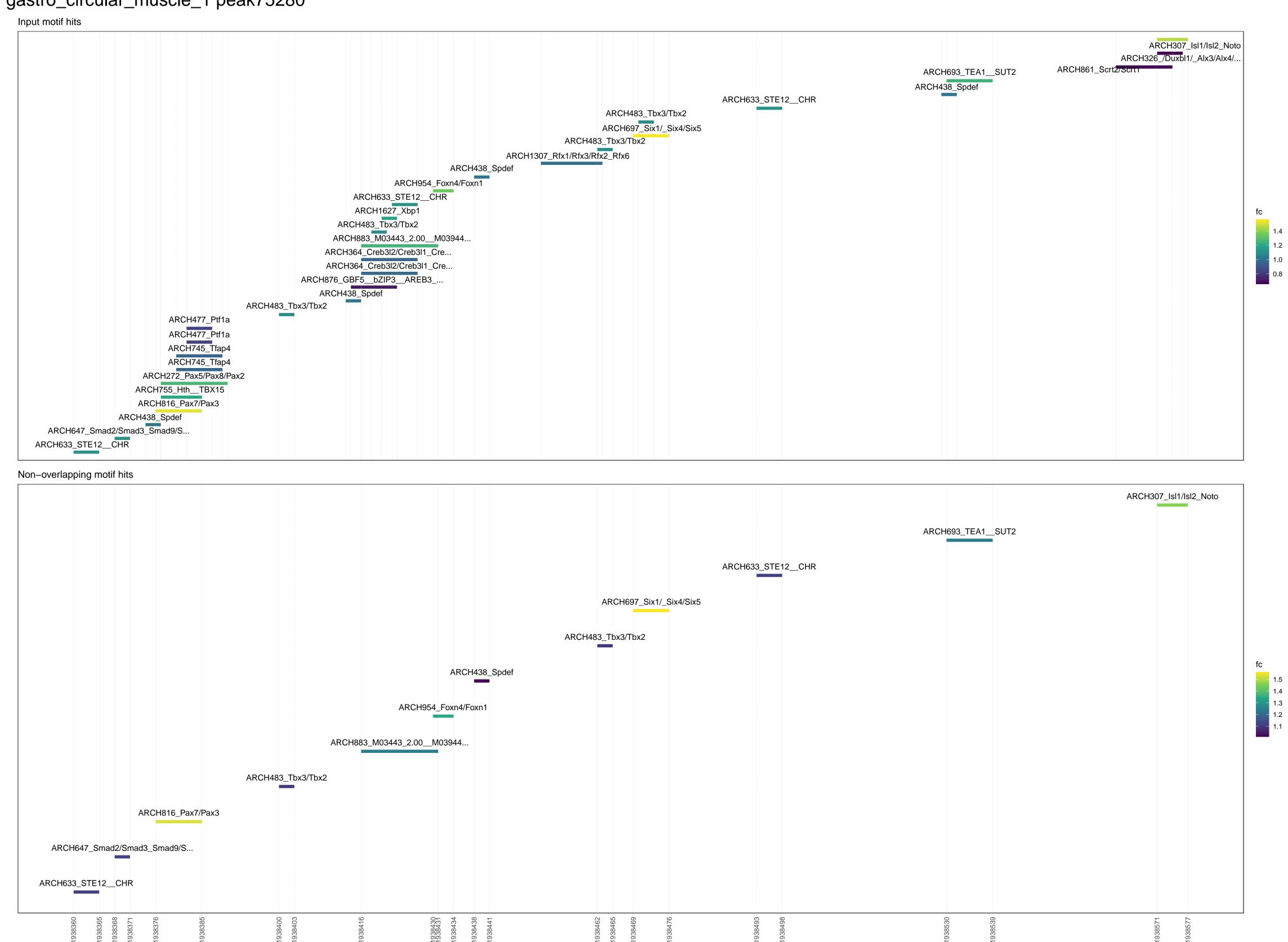


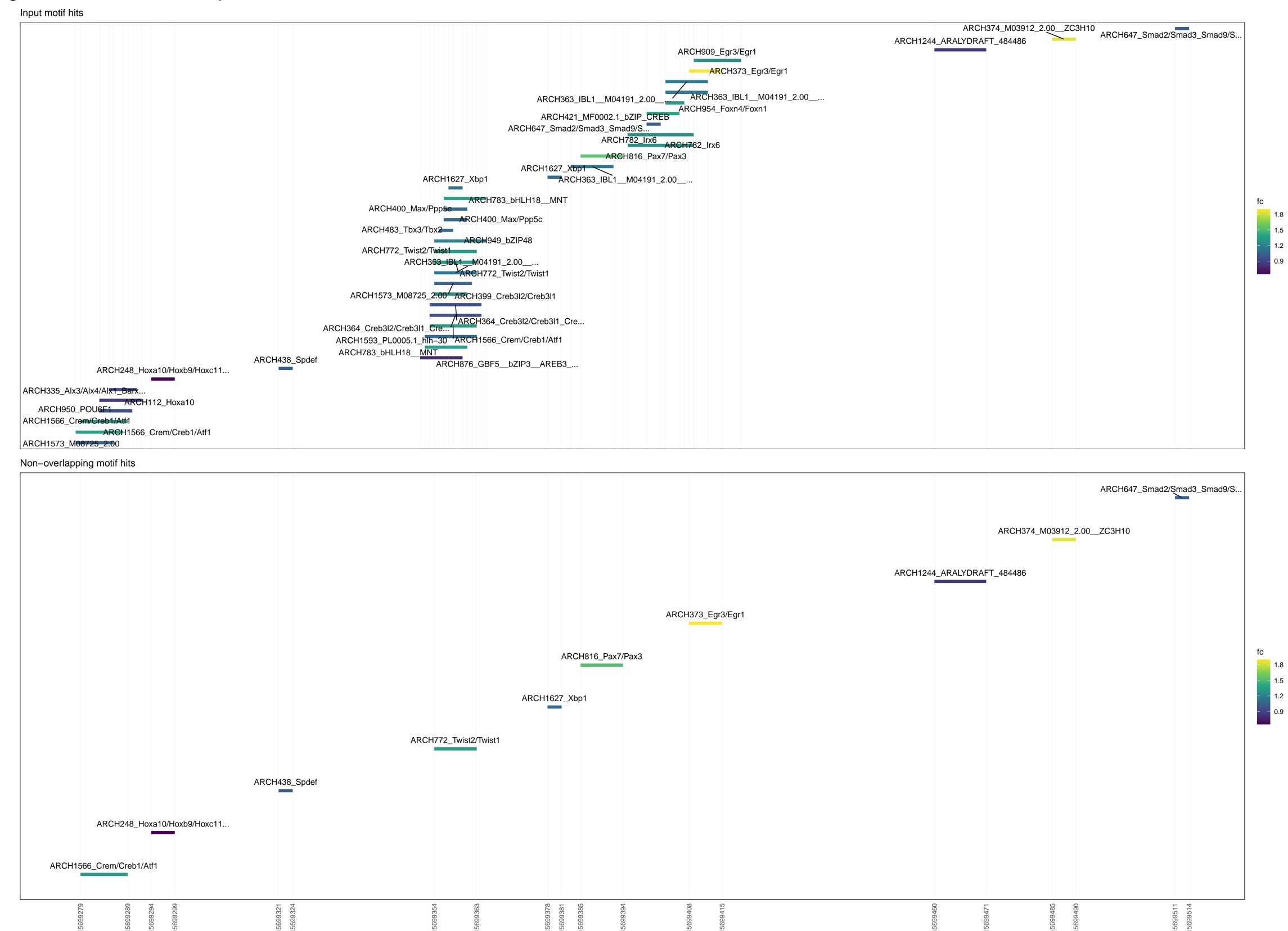
gastro_circular_muscle_1 peak56285 Input motif hits ARCH702_Zic1::Zic2 ARCH866_ZNF317 ARCH377_Nrf1 ARCH377_Nrf1 ARCH353_M06062_2.00__M06468... ARCH647_Smad2/Smad3_Smad9/S... ARCH421_MF0002.1_bZIP_CREB ARCH483_Tbx3/Tbx2 ARCH1102_Foxa3/Foxa1/Foxa2_... ARCH175_PRDM14 ARCH954_Foxn4/Foxn1 ARCH394_/E2f4_E2f6_E2f8/E2f7 ARCH394_/E2f4_E2f6_E2f8/E2f7 ARCH638_FZF1__MYB55 1.50 ARCH1408_GATA20 1.25 1.00 ARCH400_Max/Ppp5c 0.75 ARCH165_Nkx2-2/Nkx2-9_Nkx3-2 ARCH483_Tbx3/Tbx2 ARCH483_Tbx3/Tbx2 ARCH647_Smad2/Smad3_Smad9/S... ARCH1627_Xbp1 ARCH783_bHLH18__MNT ARCH400_Max/Ppp5c ARCH400_Max/Ppp5c ARCH1573_M08725_2.00 ARCH772_Twist2/Twist1 ARCH772_Twist2/Twist1 ARCH363_IBL1__M04191_2.00__... ARCH1573_M08725_2.00 Non-overlapping motif hits ARCH866_ZNF317 ARCH421_MF0002.1_bZIP_CREB ARCH483_Tbx3/Tbx2 ARCH175_PRDM14 ARCH954_Foxn4/Foxn1 ARCH394_/E2f4_E2f6_E2f8/E2f7 ARCH638_FZF1__MYB55 1.2 ARCH1408_GATA20 ARCH400_Max/Ppp5c ARCH165_Nkx2-2/Nkx2-9_Nkx3-2 ARCH647_Smad2/Smad3_Smad9/S... ARCH363_IBL1__M04191_2.00__...

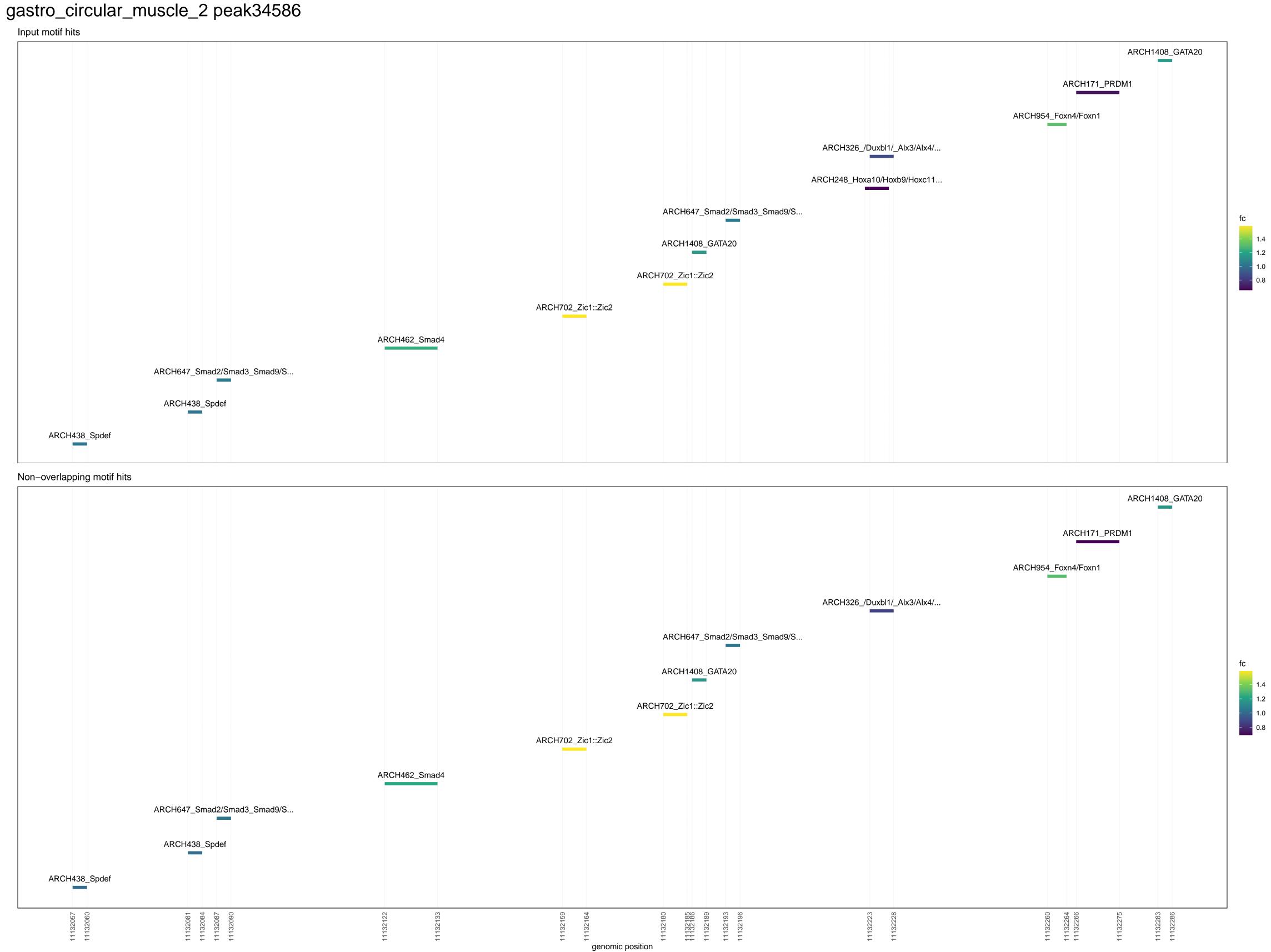


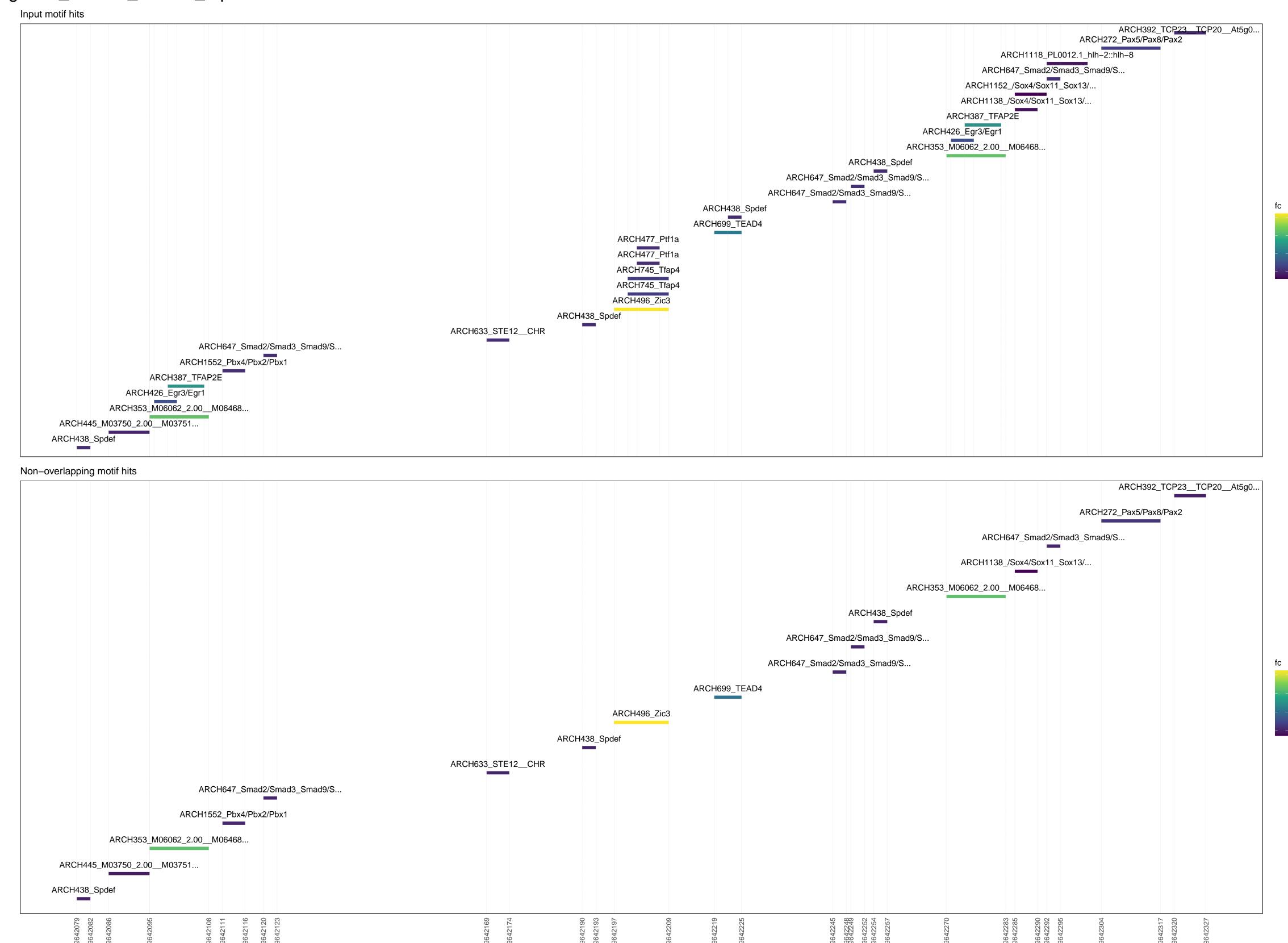


gastro_circular_muscle_1 peak97597 Input motif hits ARCH13_Arid2_Arid3c/Arid3a/... ARCH1654_Nr2c1/Nr2c2_Nr2f1/... ARCH1716_M02394_2.00 ARCH1380_Gata3/Gata1/Gata2 ARCH539_PL0004.1_hlh-27 ARCH922_Zic ARCH804_PB0207.1_Zic3_2 ARCH462_Smad4 ARCH379_RDS1__M06389_2.00 ARCH438_Spdef ARCH178_Foxc2/Foxc1_Foxg1/G... ARCH735_GATA19 ARCH627_ZNF189 Non-overlapping motif hits ARCH13_Arid2_Arid3c/Arid3a/... ARCH1716_M02394_2.00 ARCH1380_Gata3/Gata1/Gata2 ARCH539_PL0004.1_hlh-27 2.5 ARCH462_Smad4 2.0 - 1.5 1.0 ARCH438_Spdef ARCH178_Foxc2/Foxc1_Foxg1/G... ARCH735_GATA19 ARCH627_ZNF189

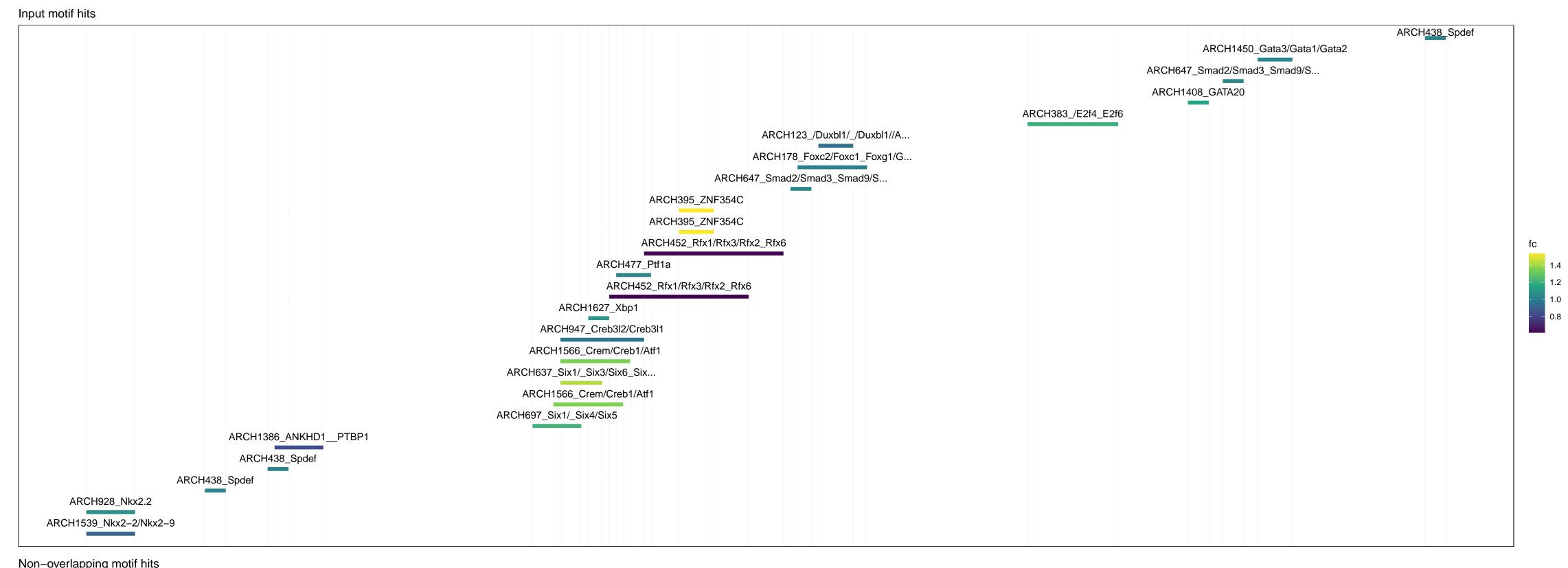


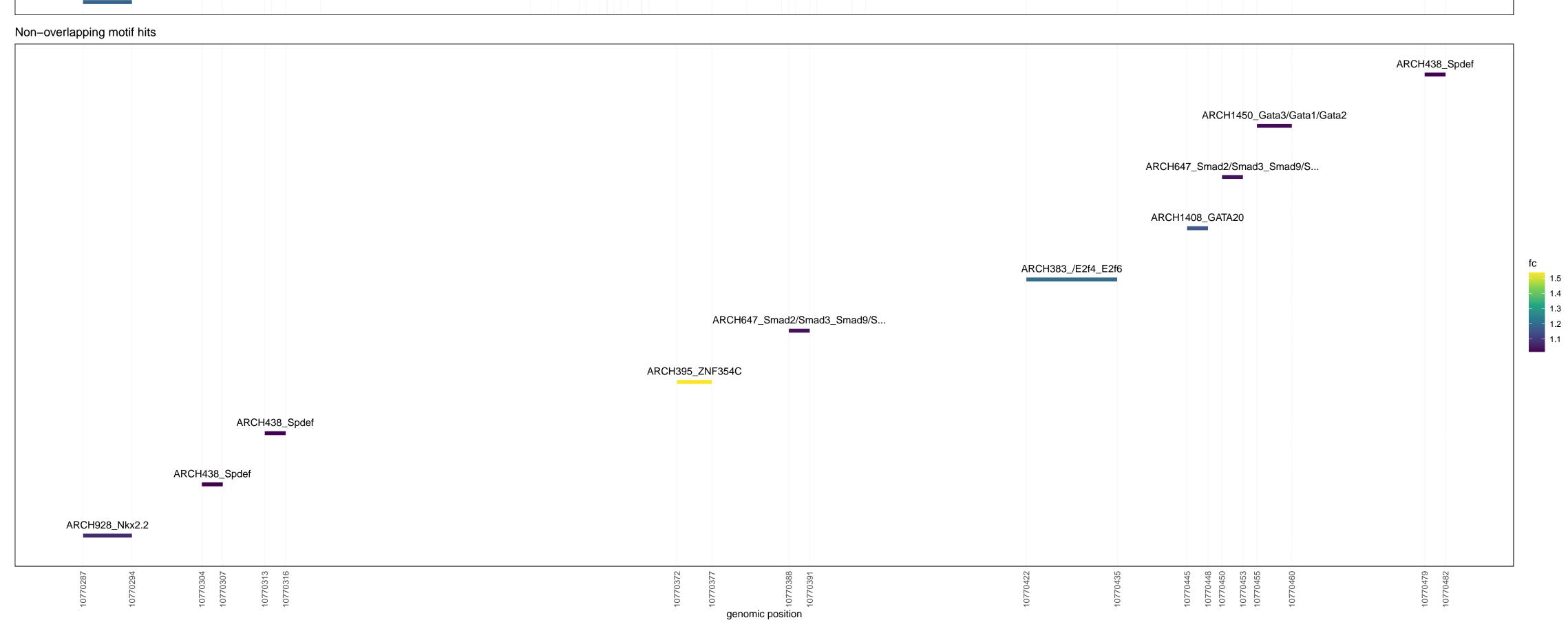






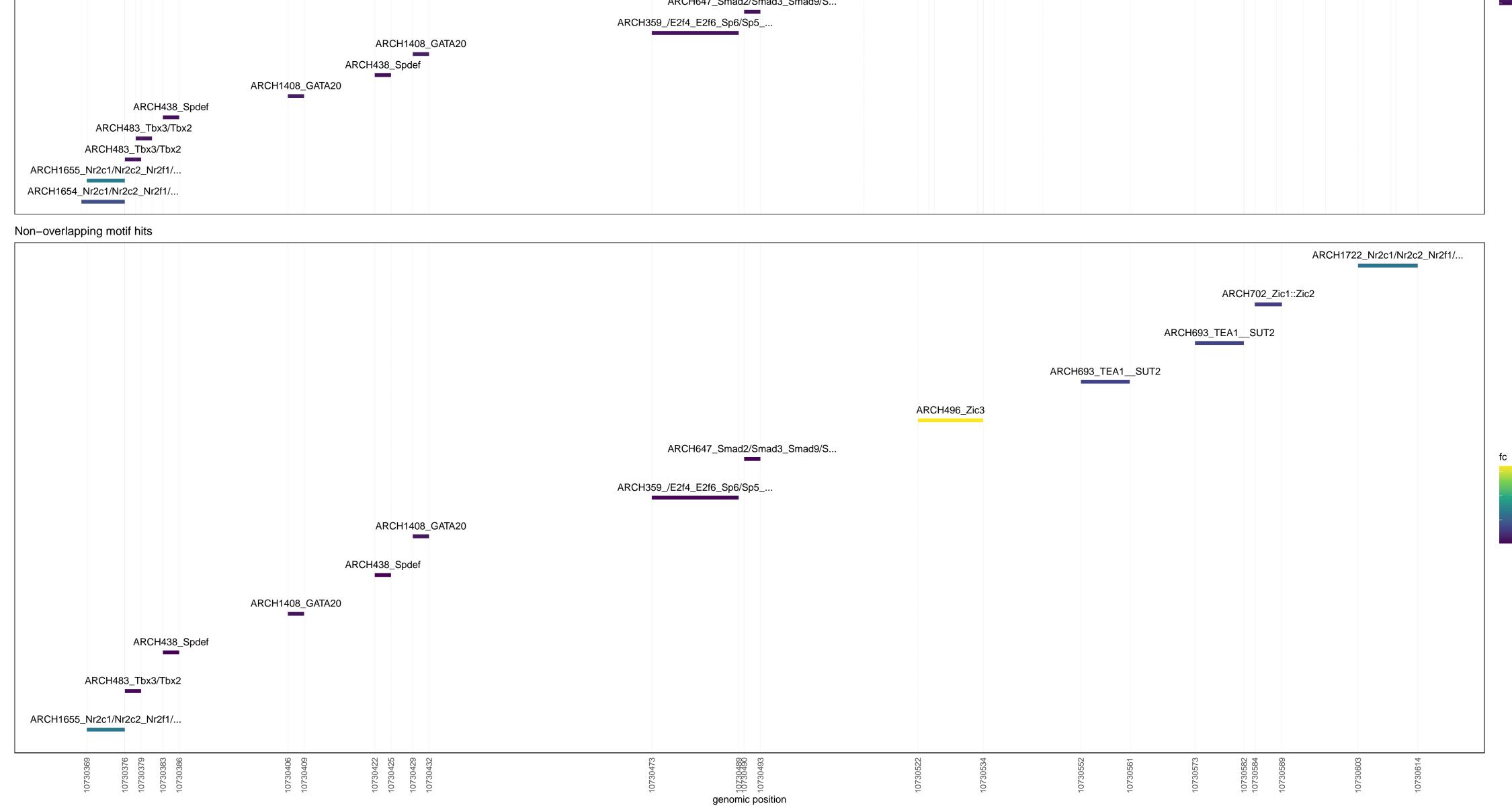
gastro_circular_muscle_2 peak14761 Input motif hits

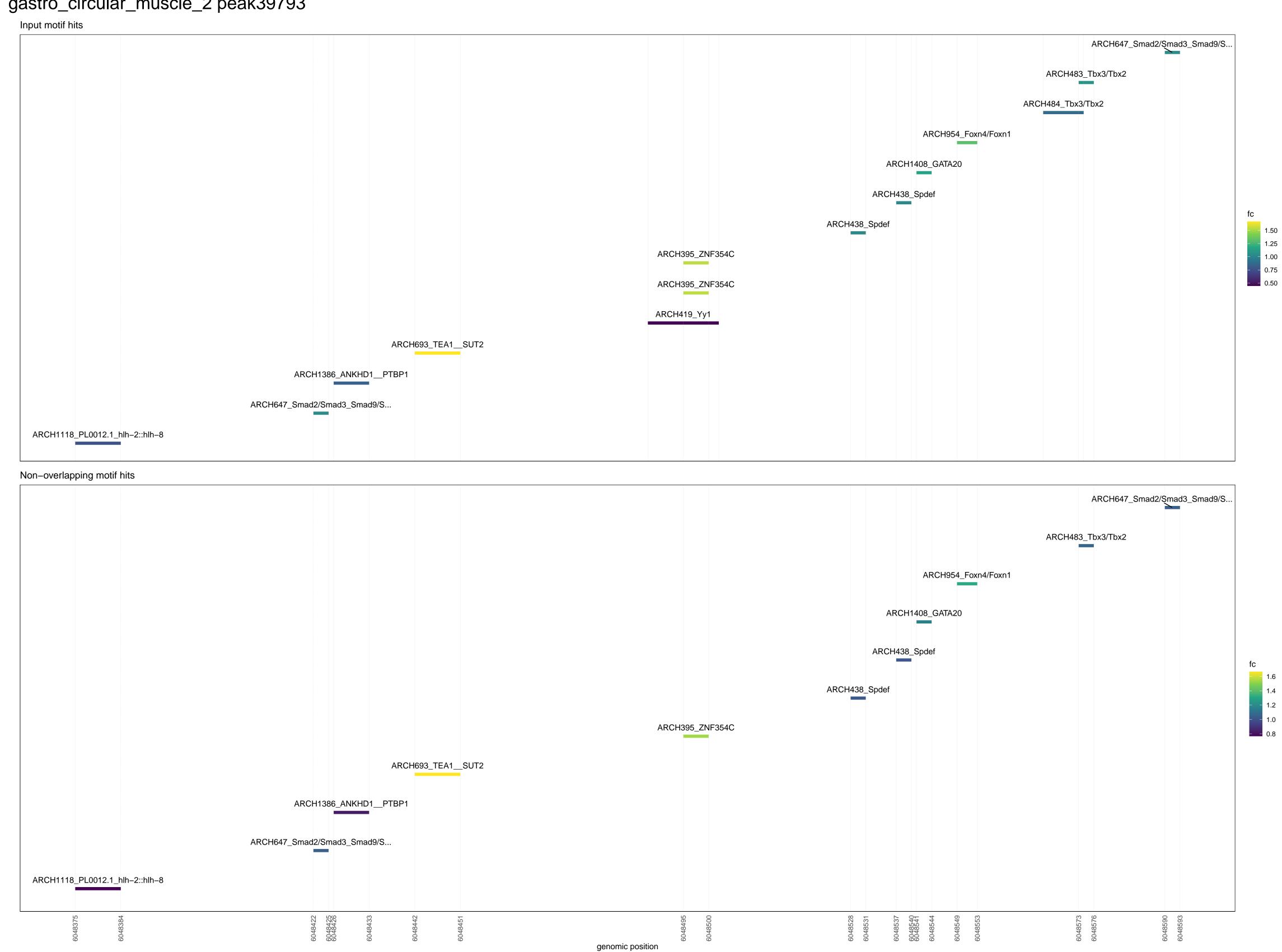


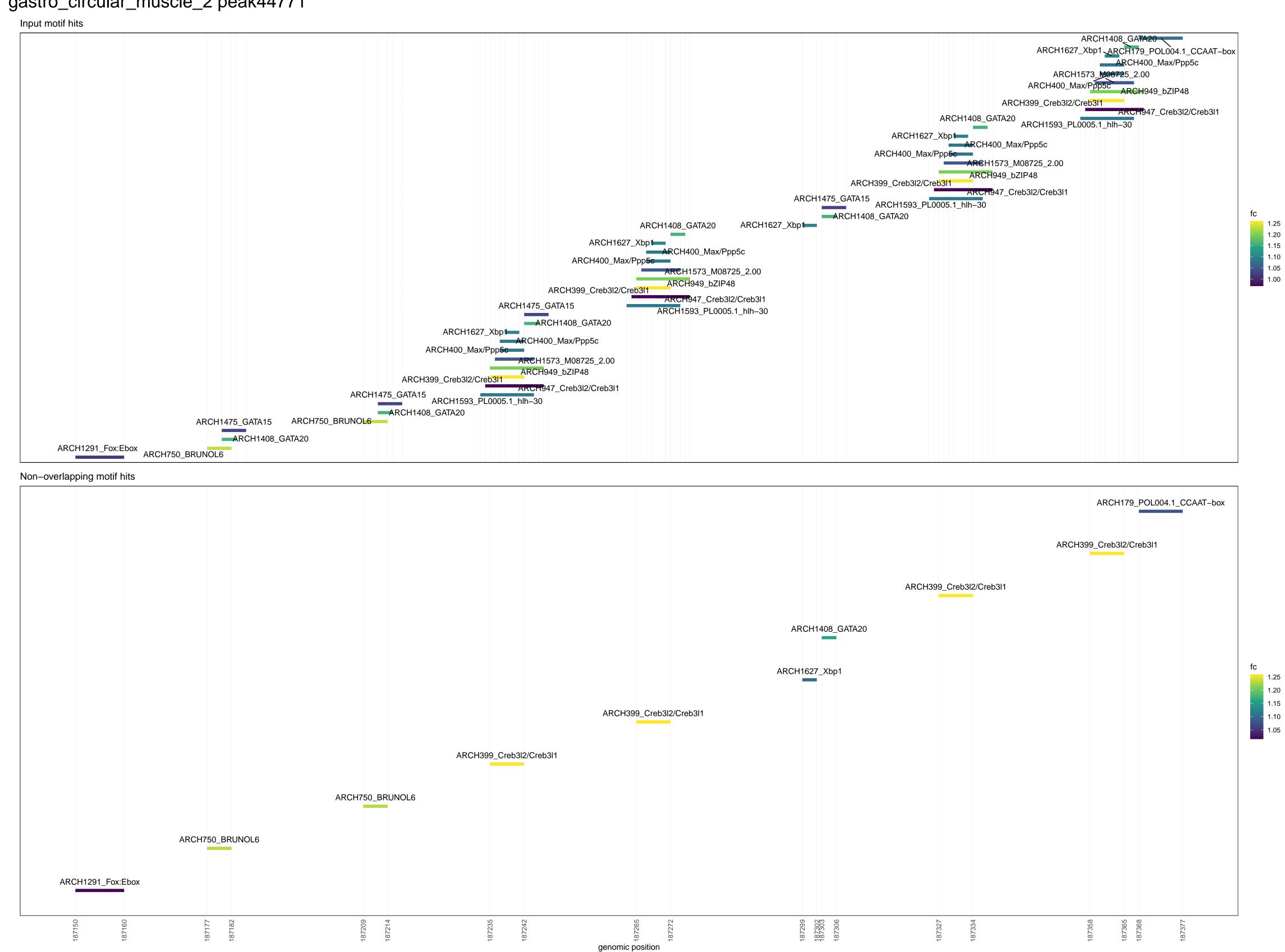


gastro_circular_muscle_2 peak34360 Input motif hits ARCH1716_M02394_2.00 ARCH1722_Nr2c1/Nr2c2_Nr2f1/... ARCH633_STE12__CHR ARCH702_Zic1::Zic2 ARCH1283_M08807_2.00__M0881... ARCH693_TEA1__SUT2 ARCH693_TEA1__SUT2 ARCH273_HOXD3 ARCH1420_RUNX2 ARCH804_PB0207.1_Zic3_2 ARCH496_Zic3 ARCH1261_Runx3/Runx2/Runx1 ARCH1159_/Lef1/Tcf7l1/Tcf7 ARCH647_Smad2/Smad3_Smad9/S... ARCH359_/E2f4_E2f6_Sp6/Sp5_..

ARCH477_Ptf1a







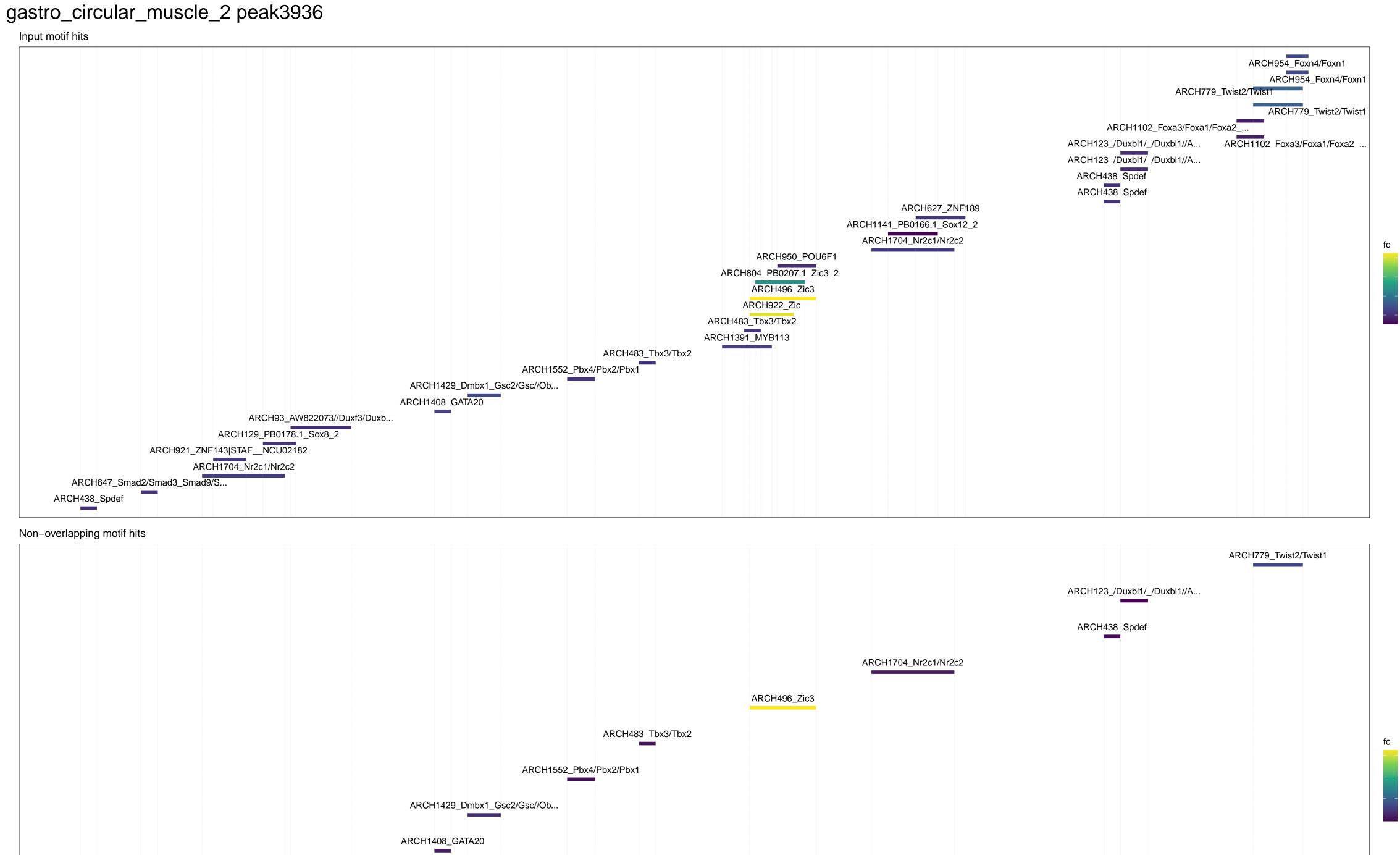
Input motif hits

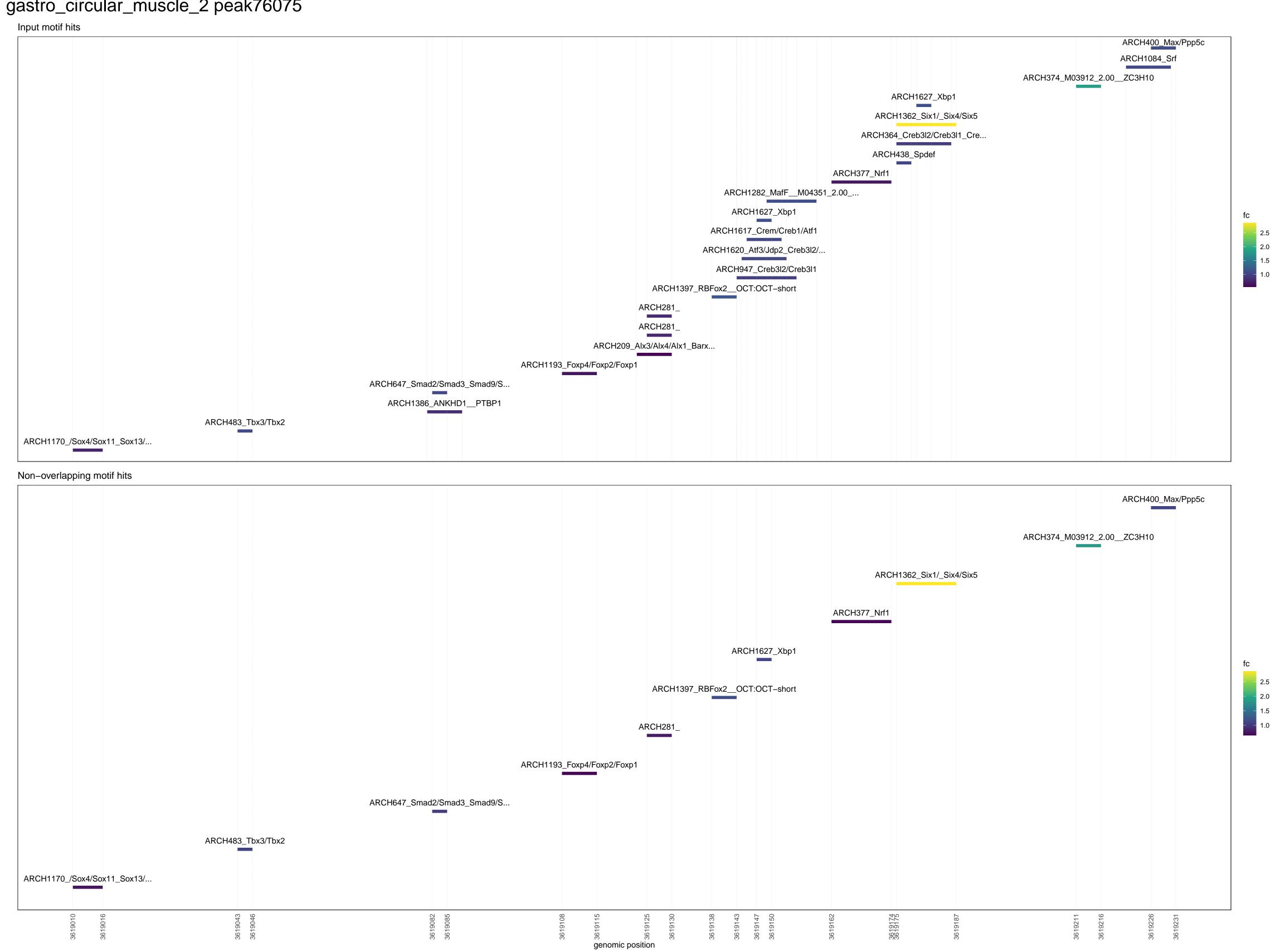
ARCH93_AW822073//Duxf3/Duxb...

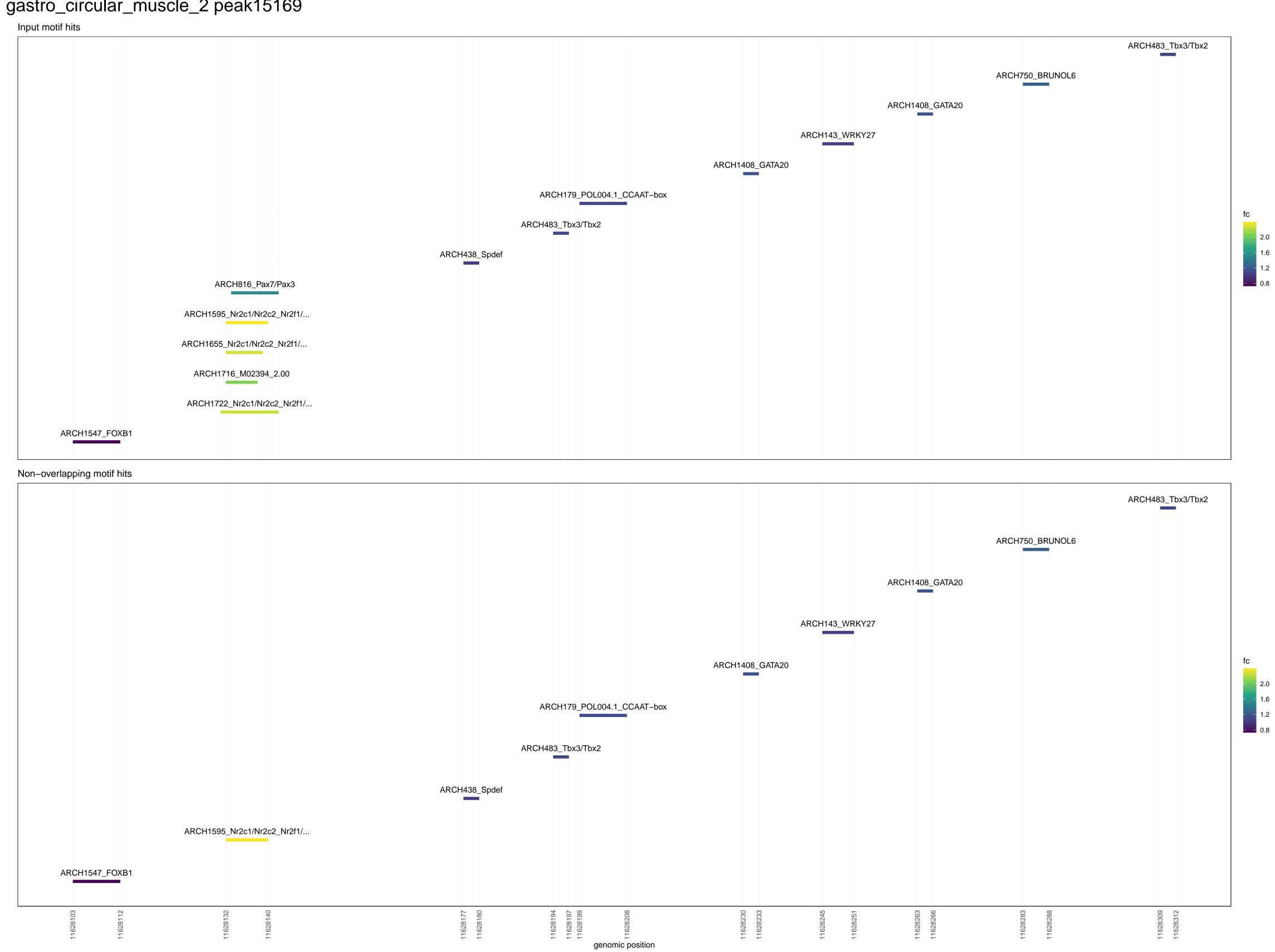
ARCH1704_Nr2c1/Nr2c2

ARCH647_Smad2/Smad3_Smad9/S...

ARCH438_Spdef



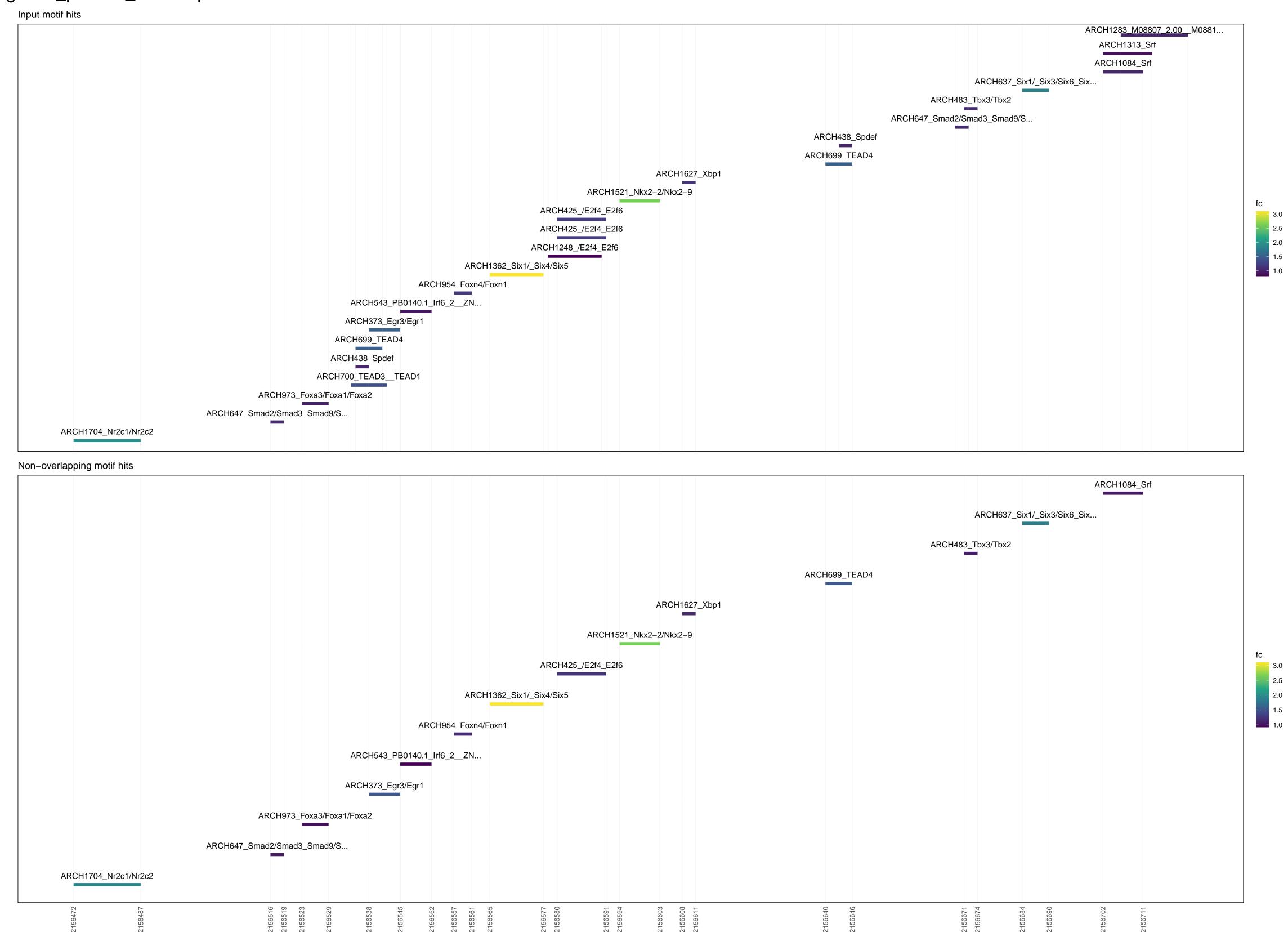


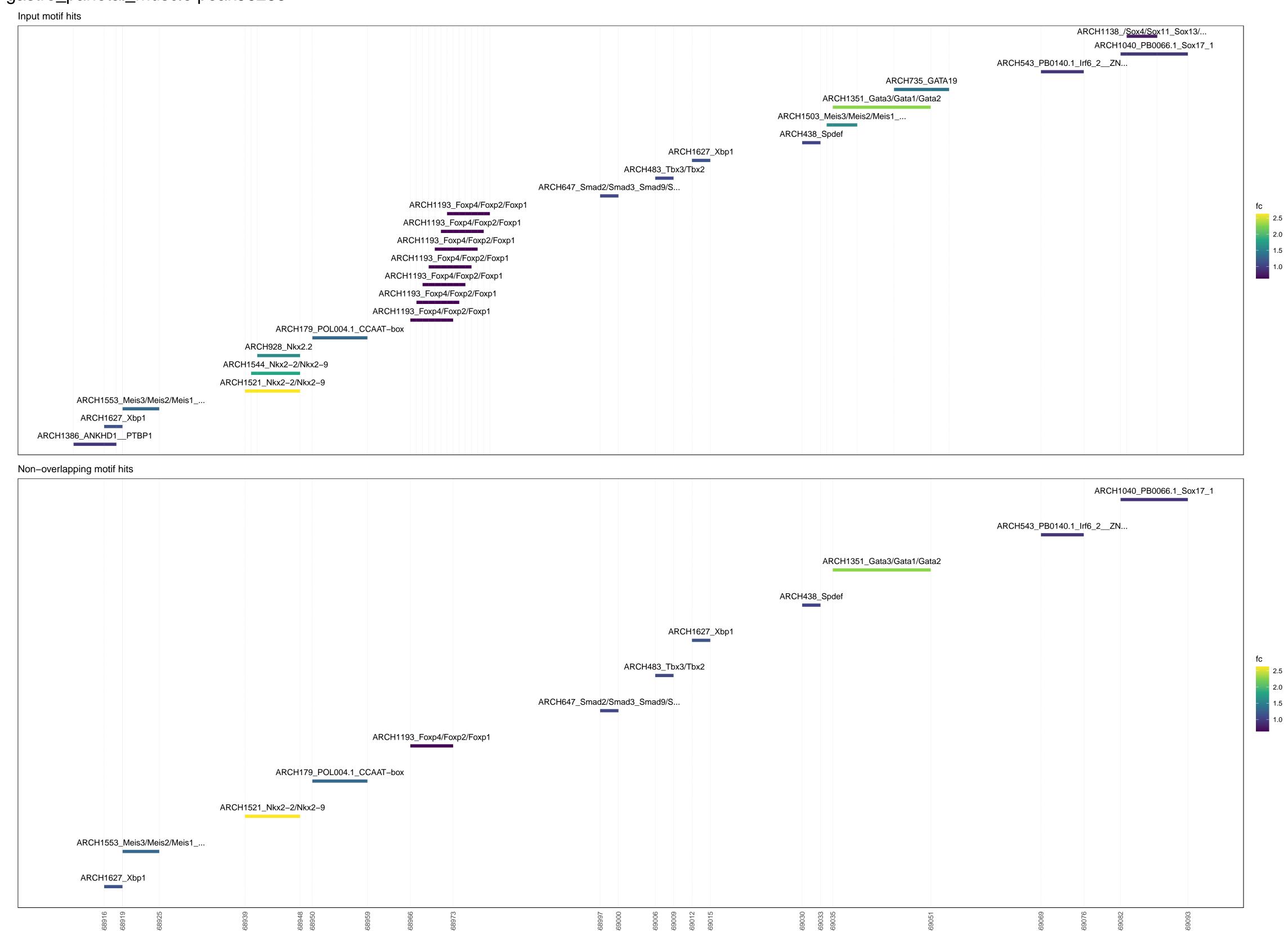


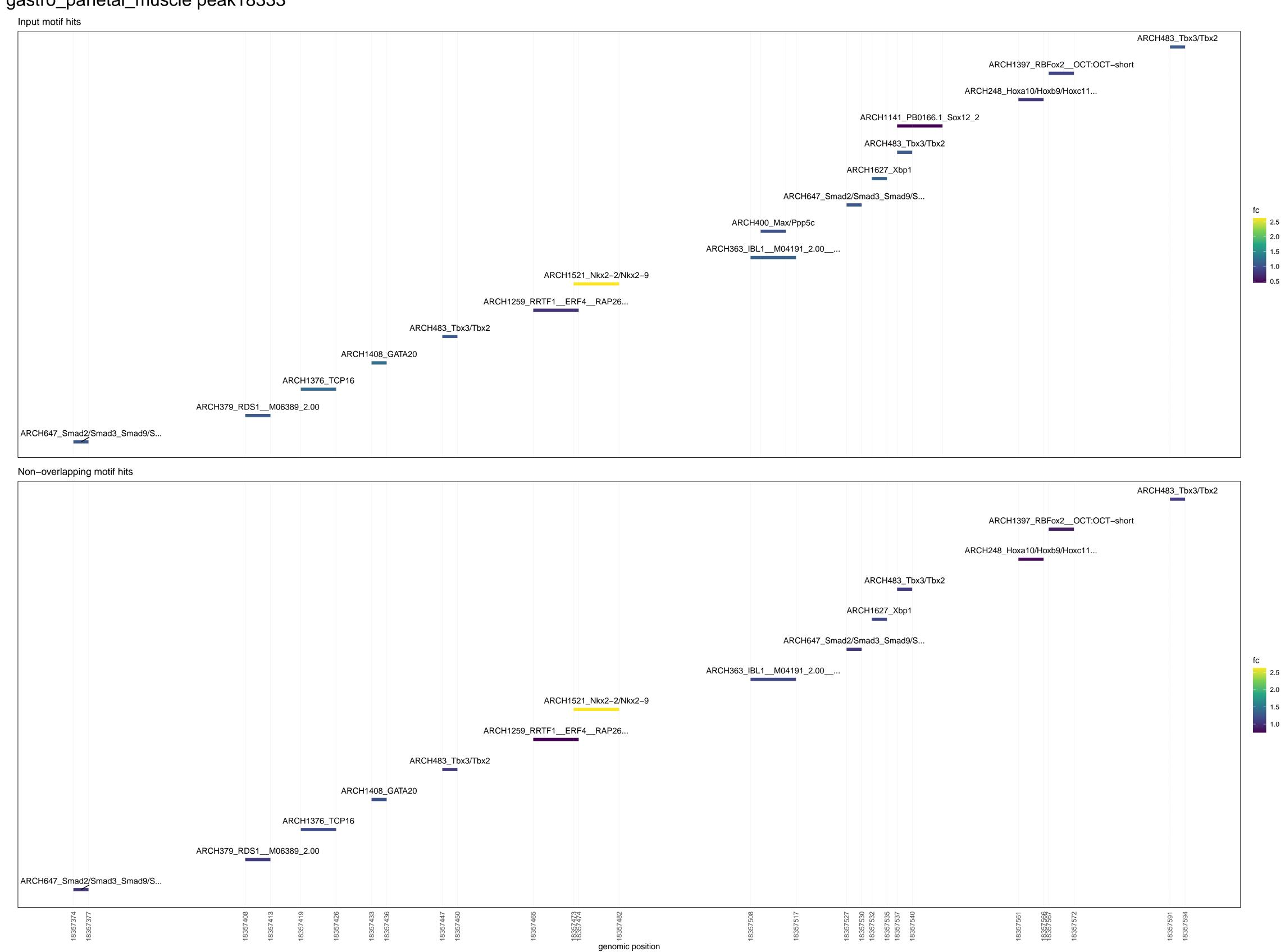
gastro_parietal_muscle peak88625 Input motif hits ARCH438_Spdef ARCH1408_GATA20 ARCH1593_PL0005.1_hlh-30 ARCH1547_FOXB1 ARCH1408_GATA20 ARCH248_Hoxa10/Hoxb9/Hoxc11... ARCH1552_Pbx4/Pbx2/Pbx1 ARCH638_FZF1__MYB55 ARCH647_Smad2/Smad3_Smad9/S... ARCH1408_GATA20 1.0 ARCH647_Smad2/Smad3_Smad9/S... ARCH647_Smad2/Smad3_Smad9/S... ARCH483_Tbx3/Tbx2 ARCH392_TCP23__TCP20__At5g0... ARCH1631_WRKY40__PH0140.1_P... ARCH1553_Meis3/Meis2/Meis1_... ARCH1408_GATA20 ARCH750_BRUNOL6 ARCH647_Smad2/Smad3_Smad9/S... Non-overlapping motif hits ARCH438_Spdef ARCH1593_PL0005.1_hlh-30 ARCH1547_FOXB1 ARCH1408_GATA20 ARCH1552_Pbx4/Pbx2/Pbx1 ARCH638_FZF1__MYB55 ARCH647_Smad2/Smad3_Smad9/S... ARCH1408_GATA20 1.2 1.0 ARCH647_Smad2/Smad3_Smad9/S... 0.8 ARCH647_Smad2/Smad3_Smad9/S... ARCH483_Tbx3/Tbx2 ARCH392_TCP23__TCP20__At5g0... ARCH1631_WRKY40__PH0140.1_P... ARCH1408_GATA20 ARCH647_Smad2/Smad3_Smad9/S...

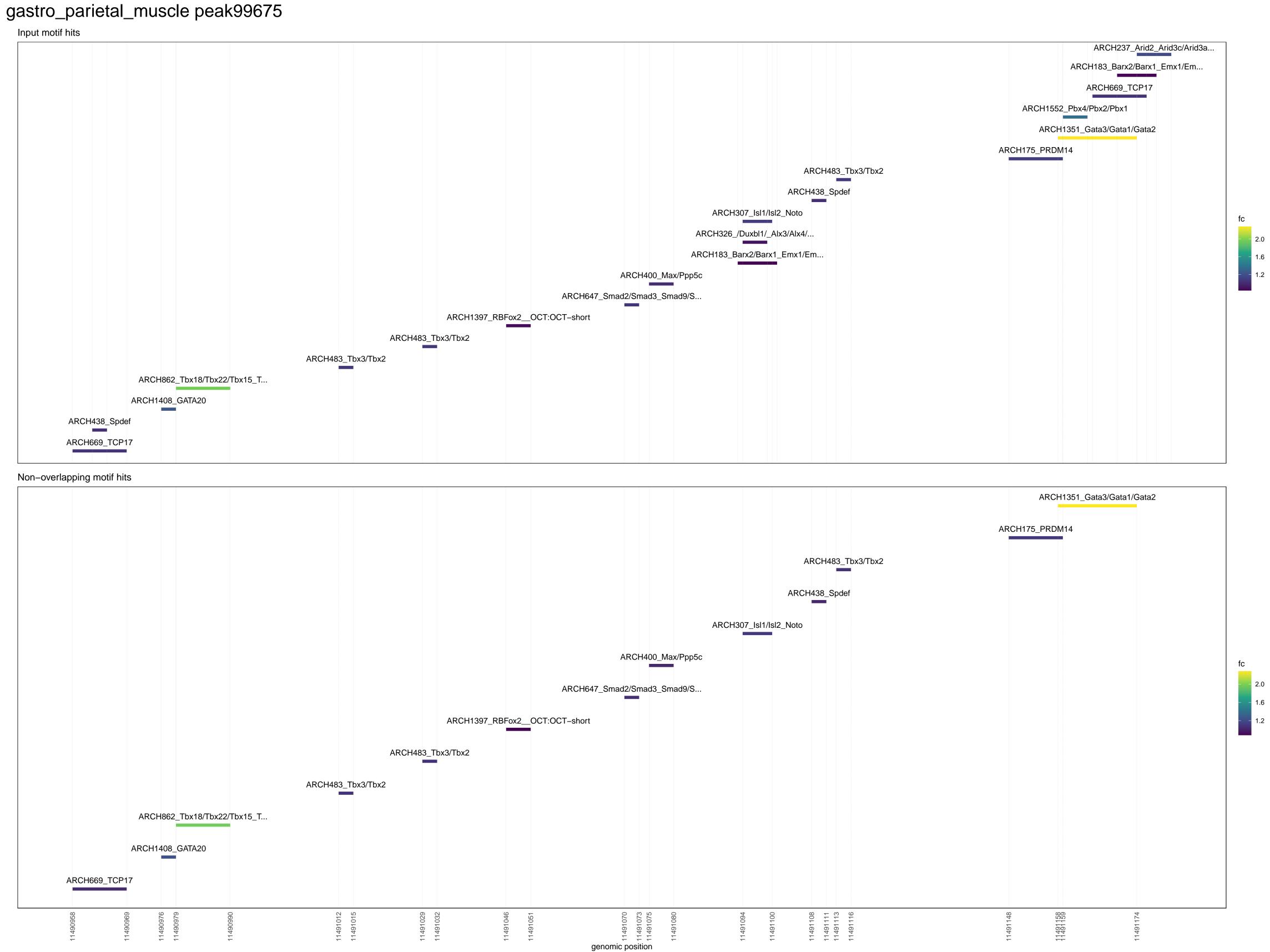
15944529 15944532 15944533

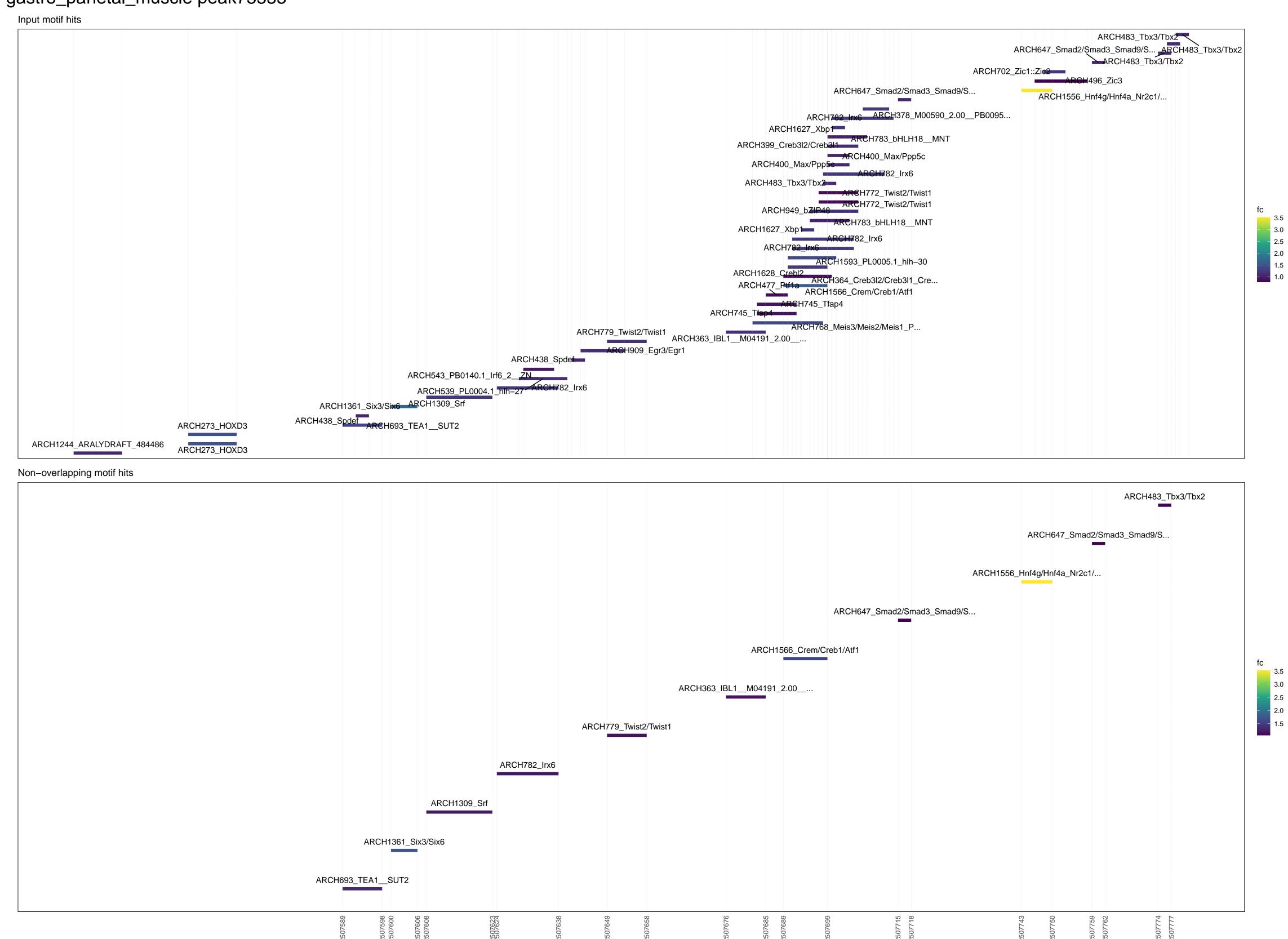
gastro_parietal_muscle peak14350 Input motif hits ARCH1488_Klf11_Mybl2/Myb/Mybl1 ARCH1473_Gata3/Gata1/Gata2 ARCH647_Smad2/Smad3_Smad9/S... ARCH924_/Lef1/Tcf7l1/Tcf7 ARCH1361_Six3/Six6 ARCH954_Foxn4/Foxn1 2.5 ARCH1627_Xbp1 2.0 1.5 ARCH1167_/Sox4/Sox11_Sox13/... ARCH1391_MYB113 ARCH483_Tbx3/Tbx2 ARCH438_Spdef ARCH1259_RRTF1__ERF4__RAP26... ARCH385_M08281_2.00__ZNF711 Non-overlapping motif hits ARCH1488_Klf11_Mybl2/Myb/Mybl1 ARCH1473_Gata3/Gata1/Gata2 ARCH924_/Lef1/Tcf7l1/Tcf7 ARCH954_Foxn4/Foxn1 ARCH1627_Xbp1 2.5 2.0 ARCH1391_MYB113 1.5 - 1.0 ARCH483_Tbx3/Tbx2 ARCH438_Spdef ARCH1259_RRTF1__ERF4__RAP26... ARCH385_M08281_2.00__ZNF711





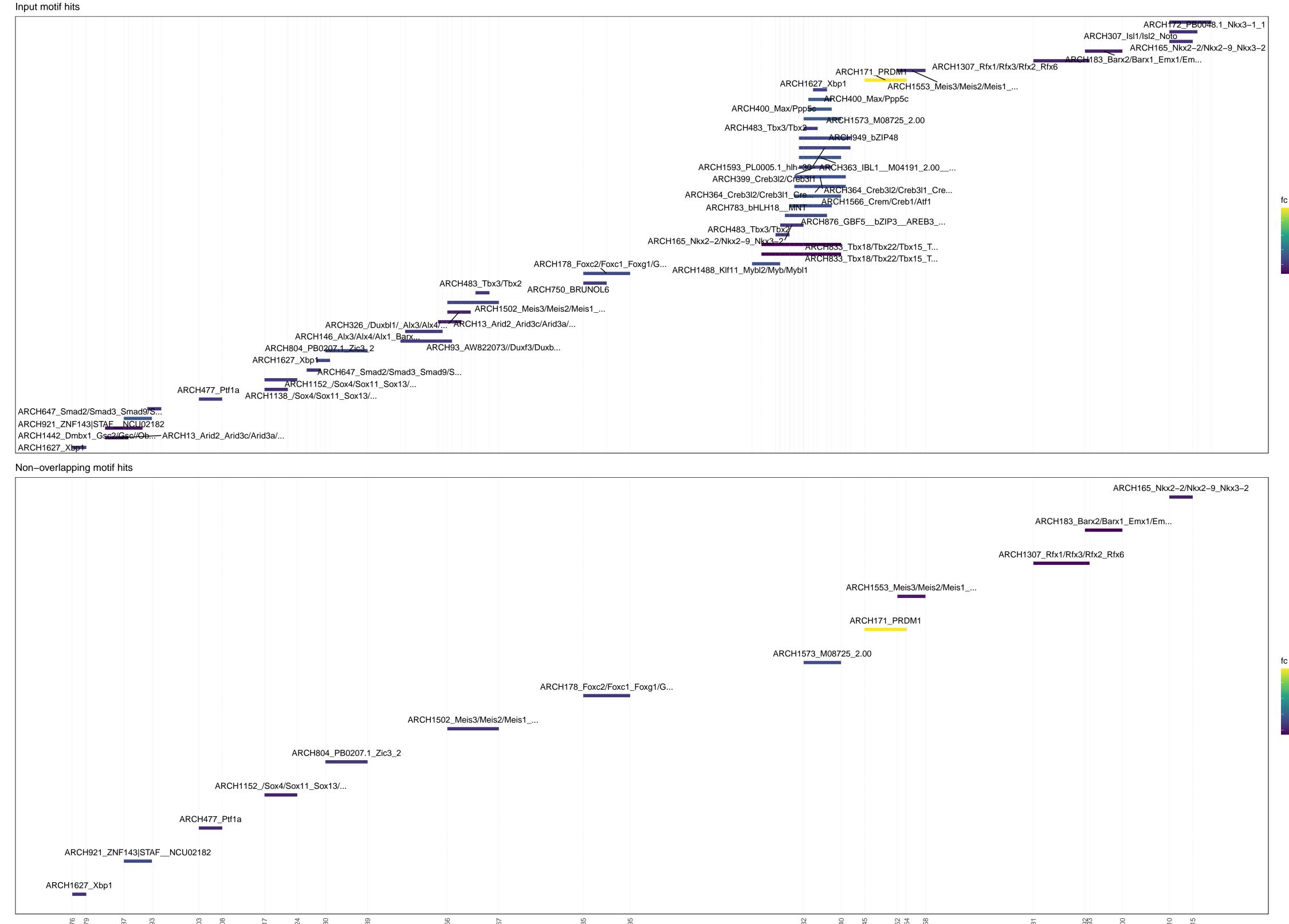


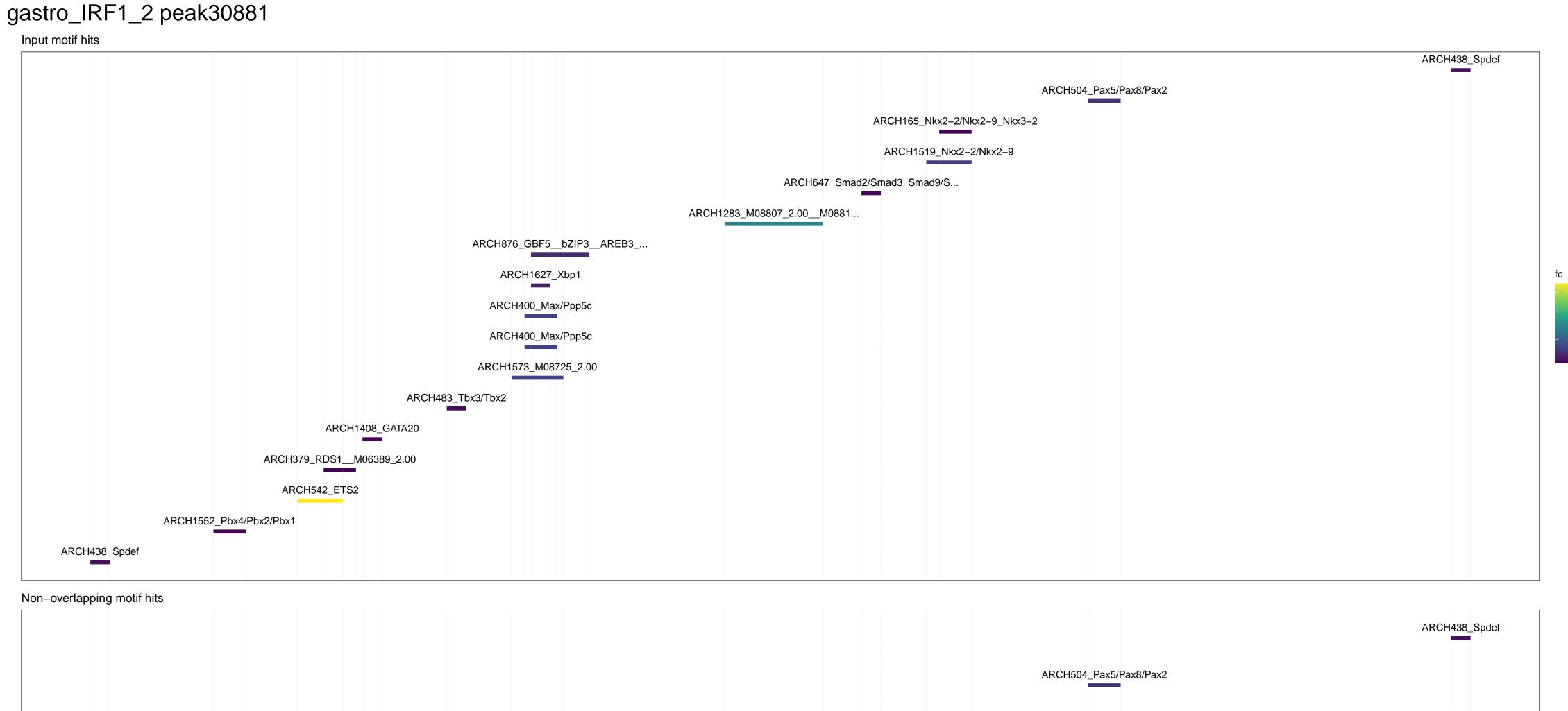


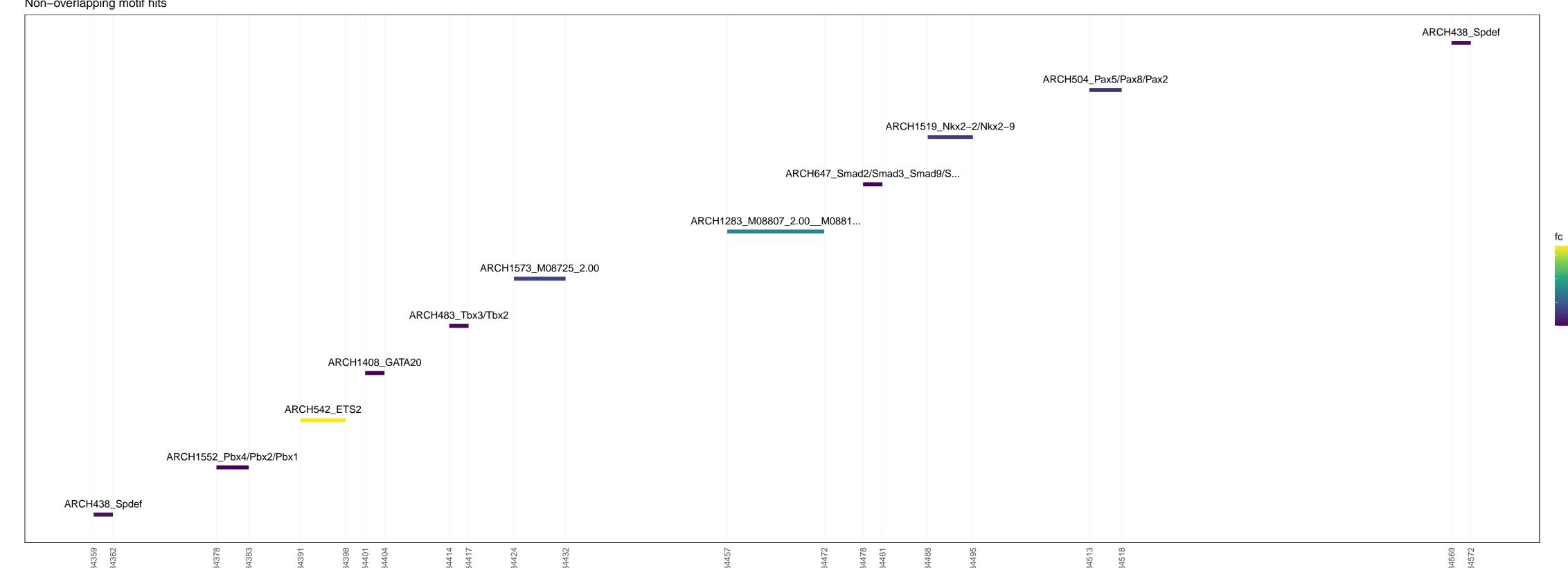


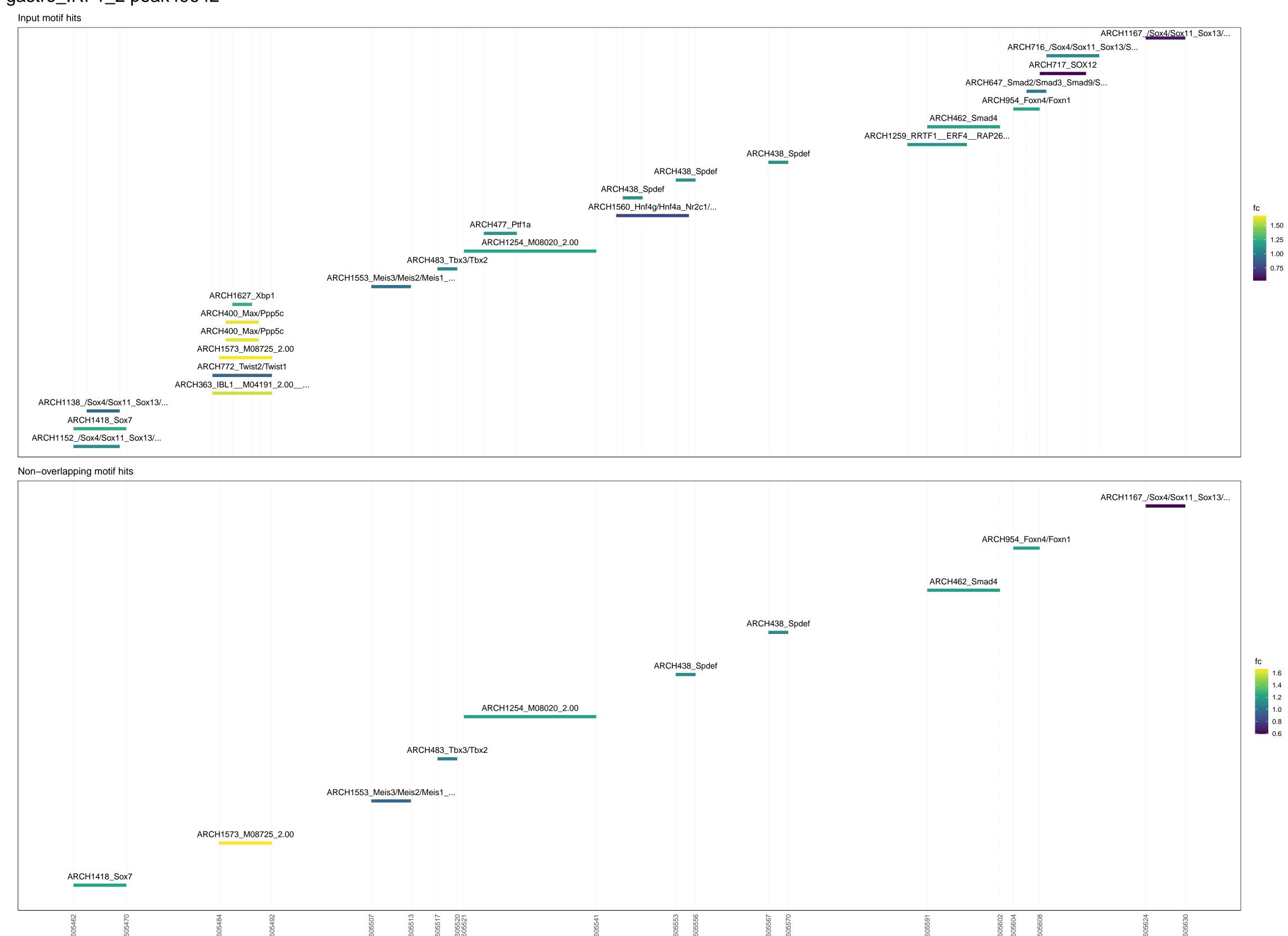
gastro_parietal_muscle peak4303 Input motif hits ARCH646_Msantd4/Mypop_Terf2ip ARCH438_Spdef ARCH13_Arid2_Arid3c/Arid3a/... ARCH13_Arid2_Arid3c/Arid3a/.. ARCH307_Isl1/Isl2_Noto ARCH1103_M09140_2.00__M0918... ARCH1408_GATA20 ARCH438_Spdef ARCH633_STE12__CHR 3.0 - 2.5 - 2.0 - 1.5 ARCH1716_M02394_2.00 ARCH1655_Nr2c1/Nr2c2_Nr2f1/... ARCH1556_Hnf4g/Hnf4a_Nr2c1/... ARCH1595_Nr2c1/Nr2c2_Nr2f1/... ARCH1722_Nr2c1/Nr2c2_Nr2f1/... ARCH647_Smad2/Smad3_Smad9/S... ARCH294_Emx1/Emx2_Hmx1/Hmx3... ARCH1103_M09140_2.00__M0918... ARCH1028_Alx3/Alx4/Alx1_Bar... ARCH248_Hoxa10/Hoxb9/Hoxc11... Non-overlapping motif hits ARCH646_Msantd4/Mypop_Terf2ip ARCH438_Spdef ARCH13_Arid2_Arid3c/Arid3a/... ARCH307_Isl1/Isl2_Noto ARCH1103_M09140_2.00__M0918... 3.0 ARCH1408_GATA20 2.5 2.0 1.5 ARCH438_Spdef ARCH633_STE12__CHR ARCH1722_Nr2c1/Nr2c2_Nr2f1/... ARCH647_Smad2/Smad3_Smad9/S... ARCH1028_Alx3/Alx4/Alx1_Bar...

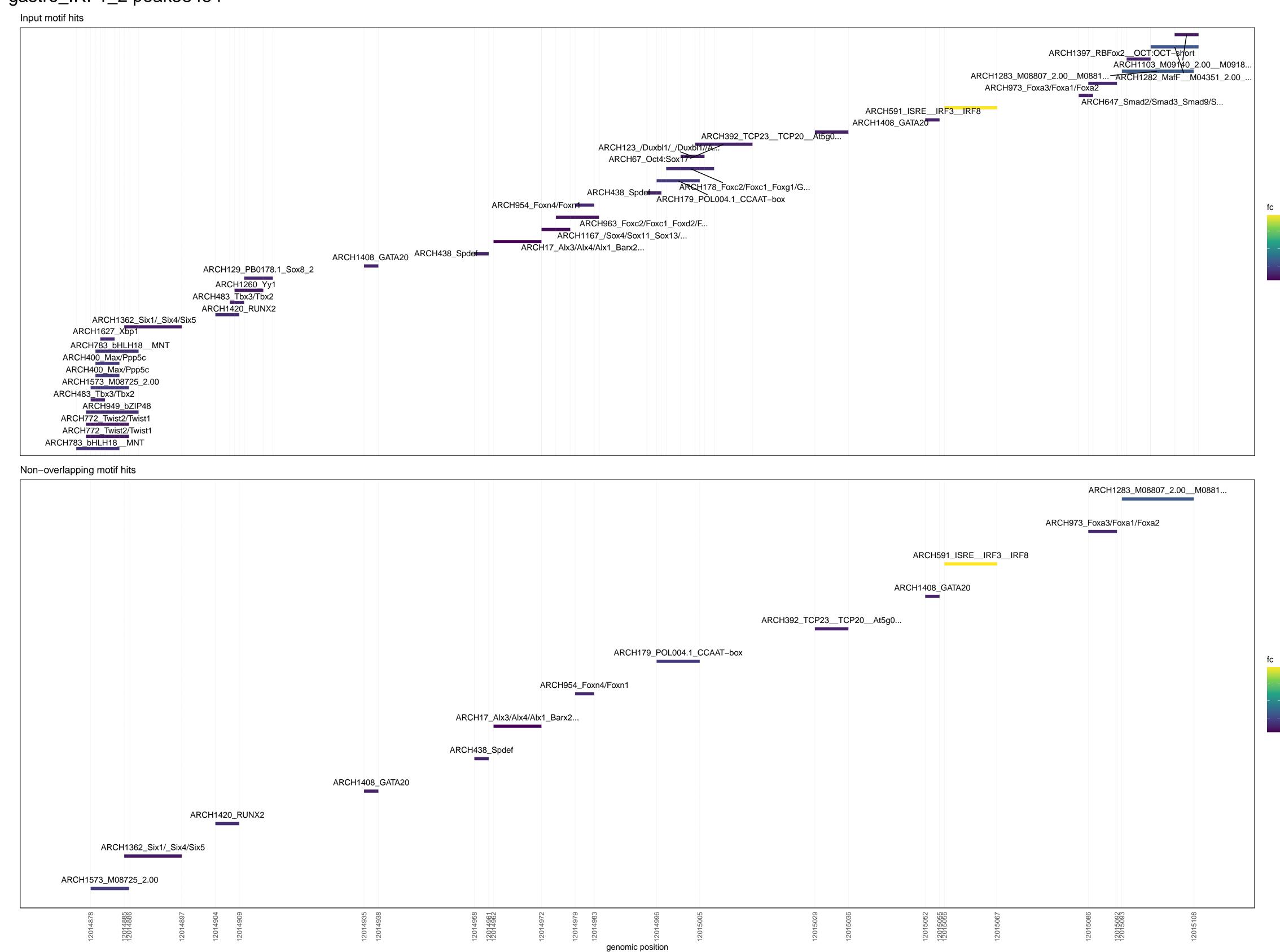
gastro_parietal_muscle peak78724 Input motif hits ARCH1420_RUNX2 ARCH1420_RUNX2 ARCH1152_/Sox4/Sox11_Sox13/... ARCH1152_/Sox4/Sox11_Sox13/.. ARCH1282_MafF__M04351_2.00_... ARCH1282_MafF__M04351_2.00_.. ARCH1361_Six3/Six6 ARCH373_Egr3/Egr1 ARCH1361_Six3/Six6 ARCH1408_GATA20 ARCH1552_Pbx4/Pbx2/Pbx1 ARCH438_Spdef ARCH1552_Pbx4/Pbx2/Pbx1 ARCH373_Egr3/Egr1 1.50 ARCH438_Spdef ARCH483_Tbx3/Tbx2 1.25 1.00 ARCH1408_GATA20 ARCH428_RAP211 ARCH1259_RRTF1__ERF4__RAP26.. ARCH1259_RRTF1__ERF4__RAP26... ARCH438_Spdef ARCH359_/E2f4_E2f6_Sp6/Sp5_... ARCH378_M00590_2.00__PB0095... ARCH378_M00590_2.00__PB0095... ARCH438_Spdef ARCH438_Spdef ARCH1552_Pbx4/Pbx2/Pbx1 ARCH1552_Pbx4/Pbx2/Pbx1 ARCH1102_Foxa3/Foxa1/Foxa2_... Non-overlapping motif hits ARCH1282_MafF__M04351_2.00_... ARCH373_Egr3/Egr1 ARCH1361_Six3/Six6 ARCH1408_GATA20 ARCH438_Spdef ARCH1552_Pbx4/Pbx2/Pbx1 ARCH373_Egr3/Egr1 ARCH483_Tbx3/Tbx2 ARCH1408_GATA20 ARCH428_RAP211

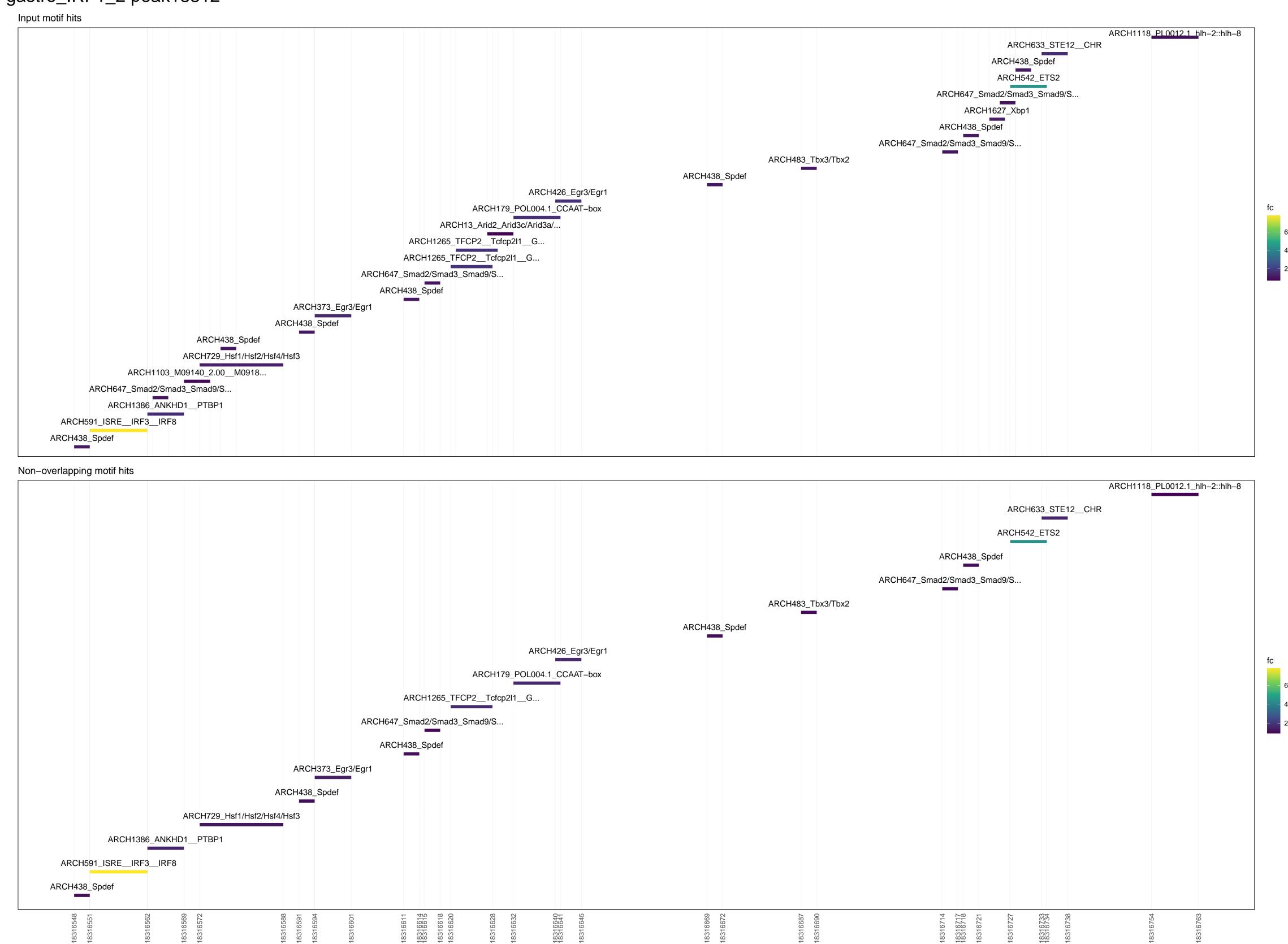


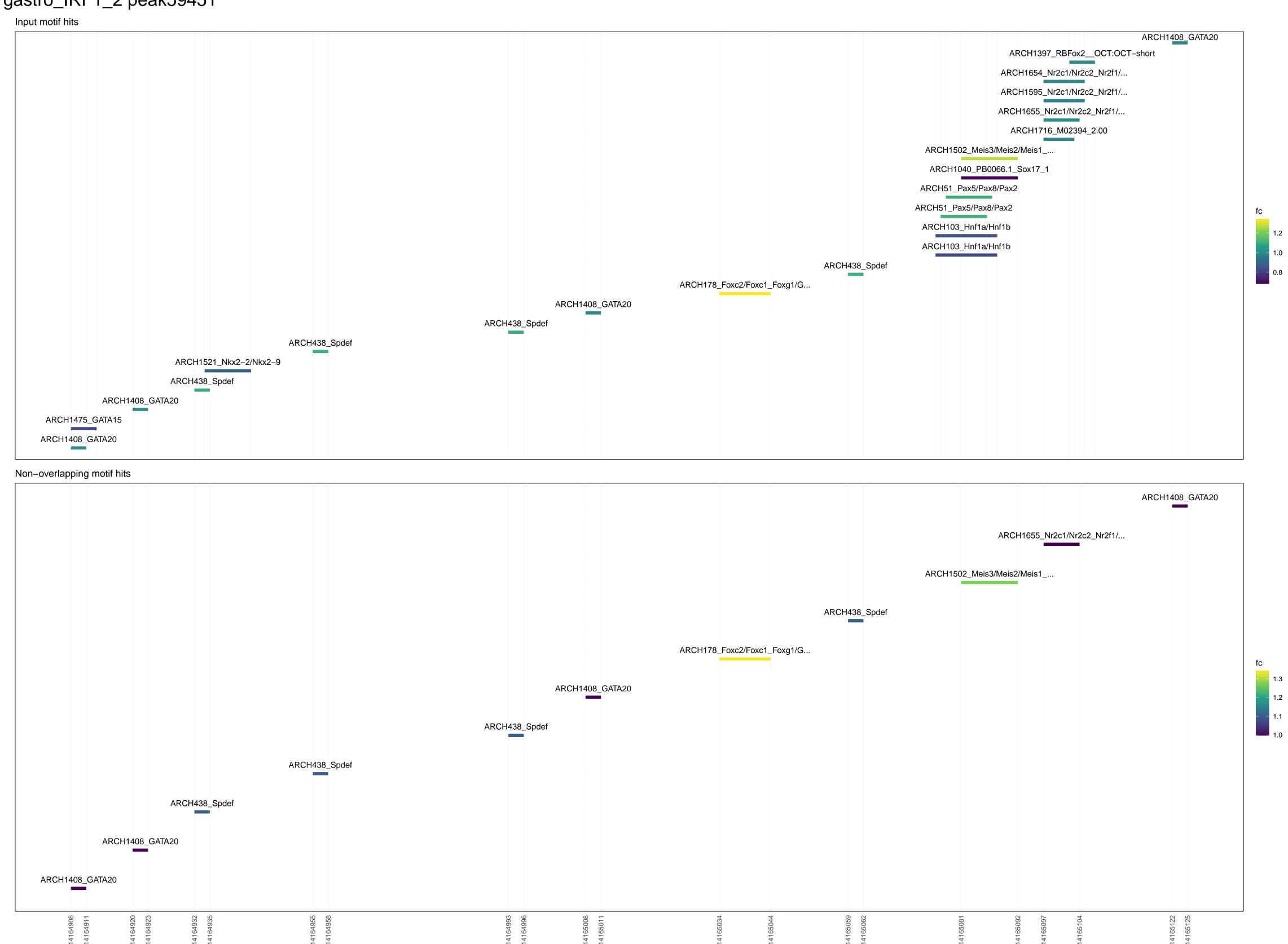




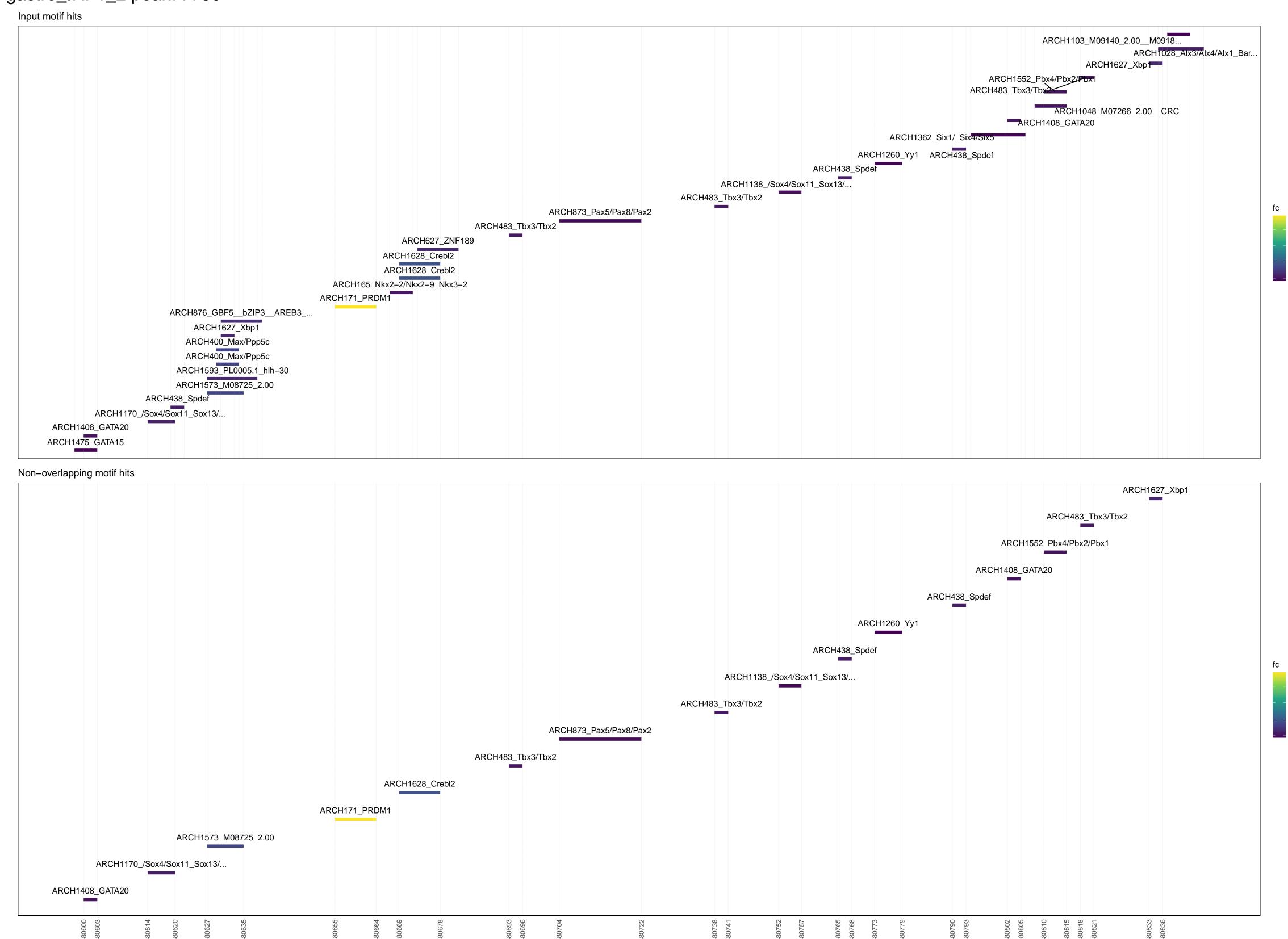


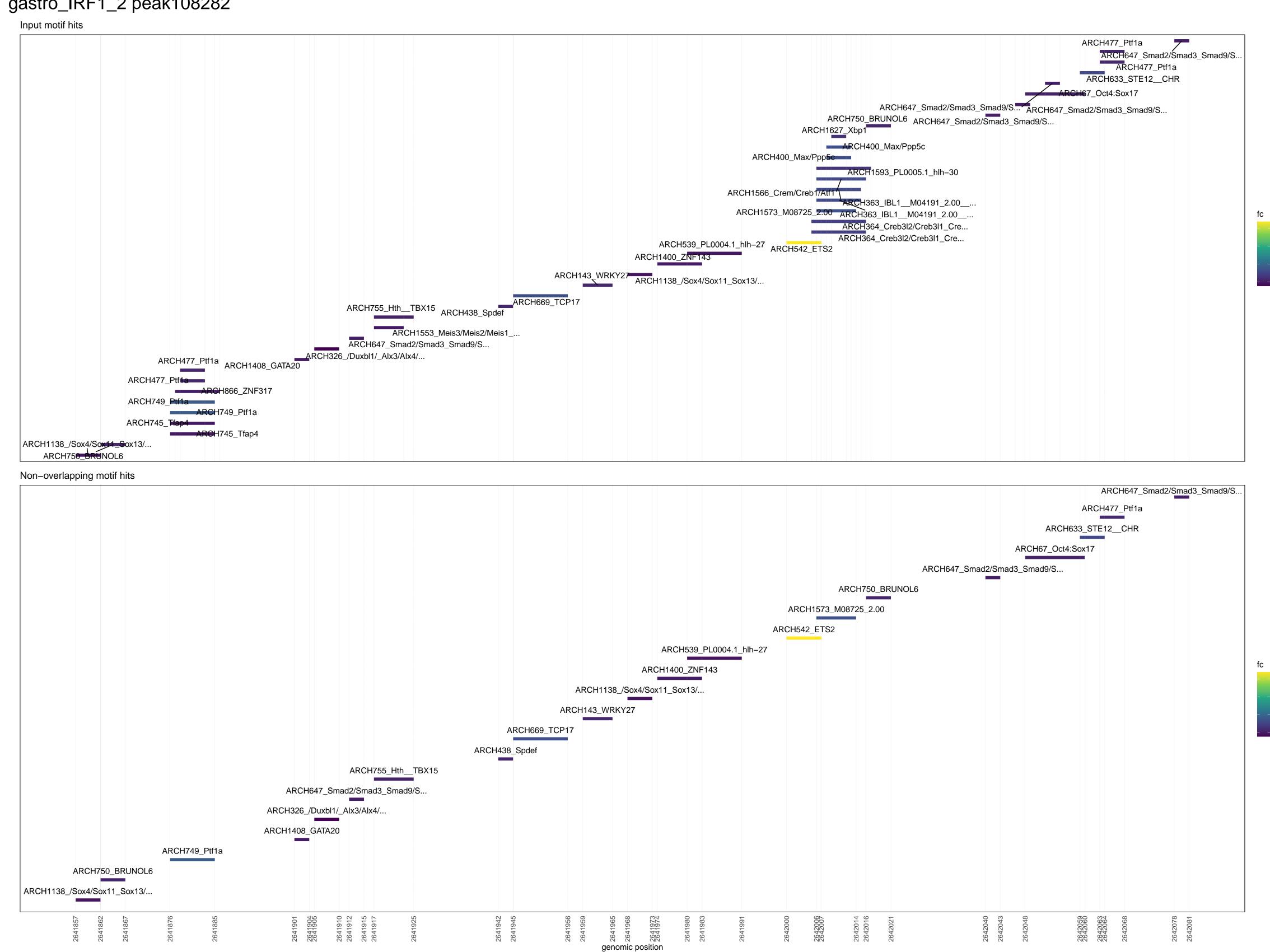


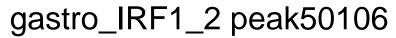


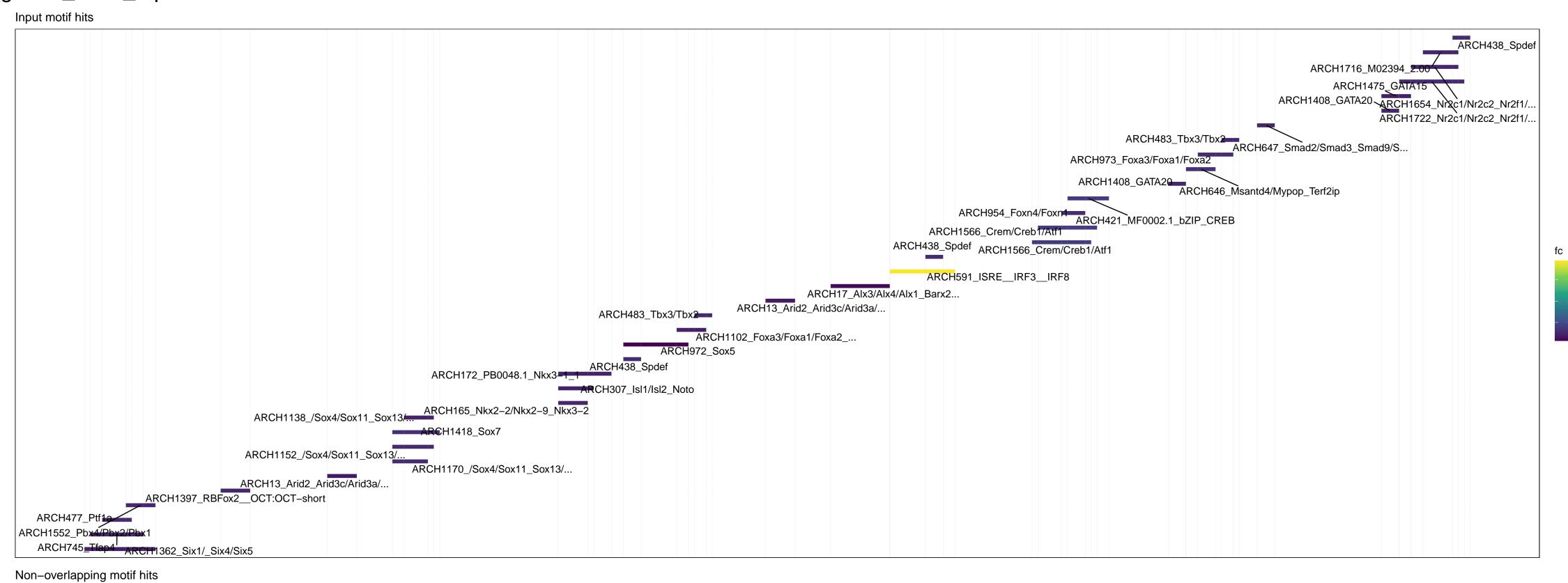


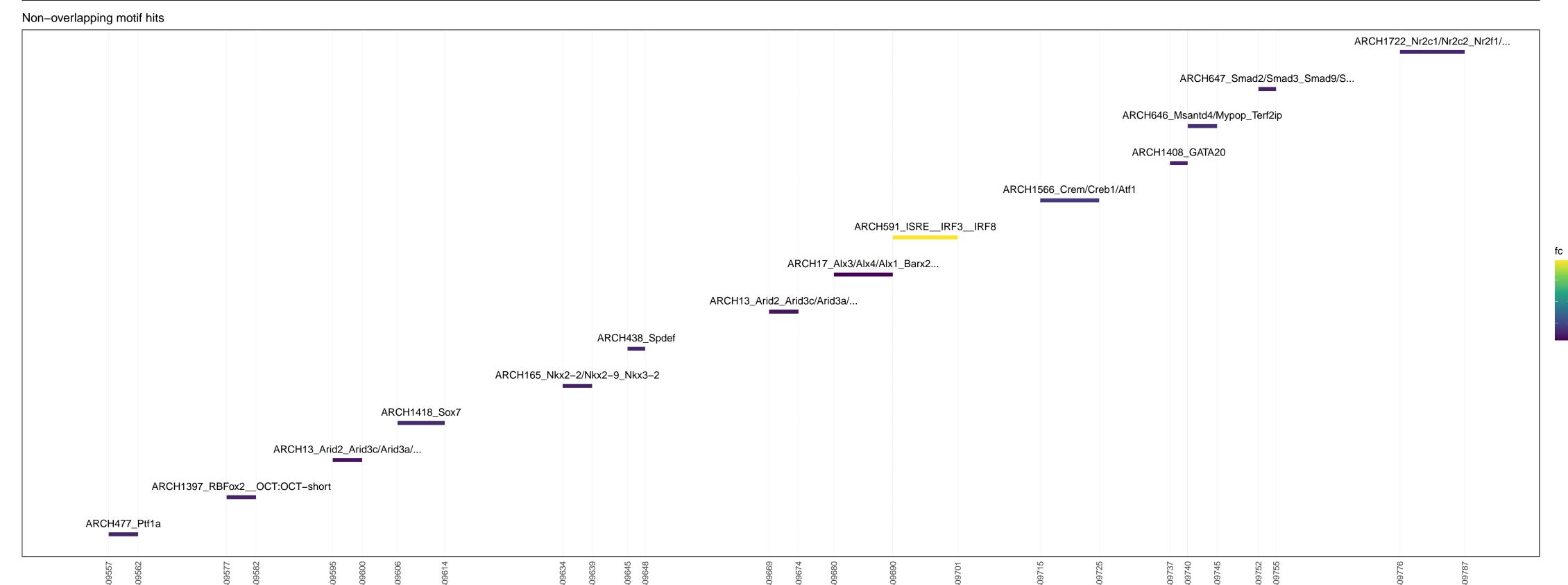
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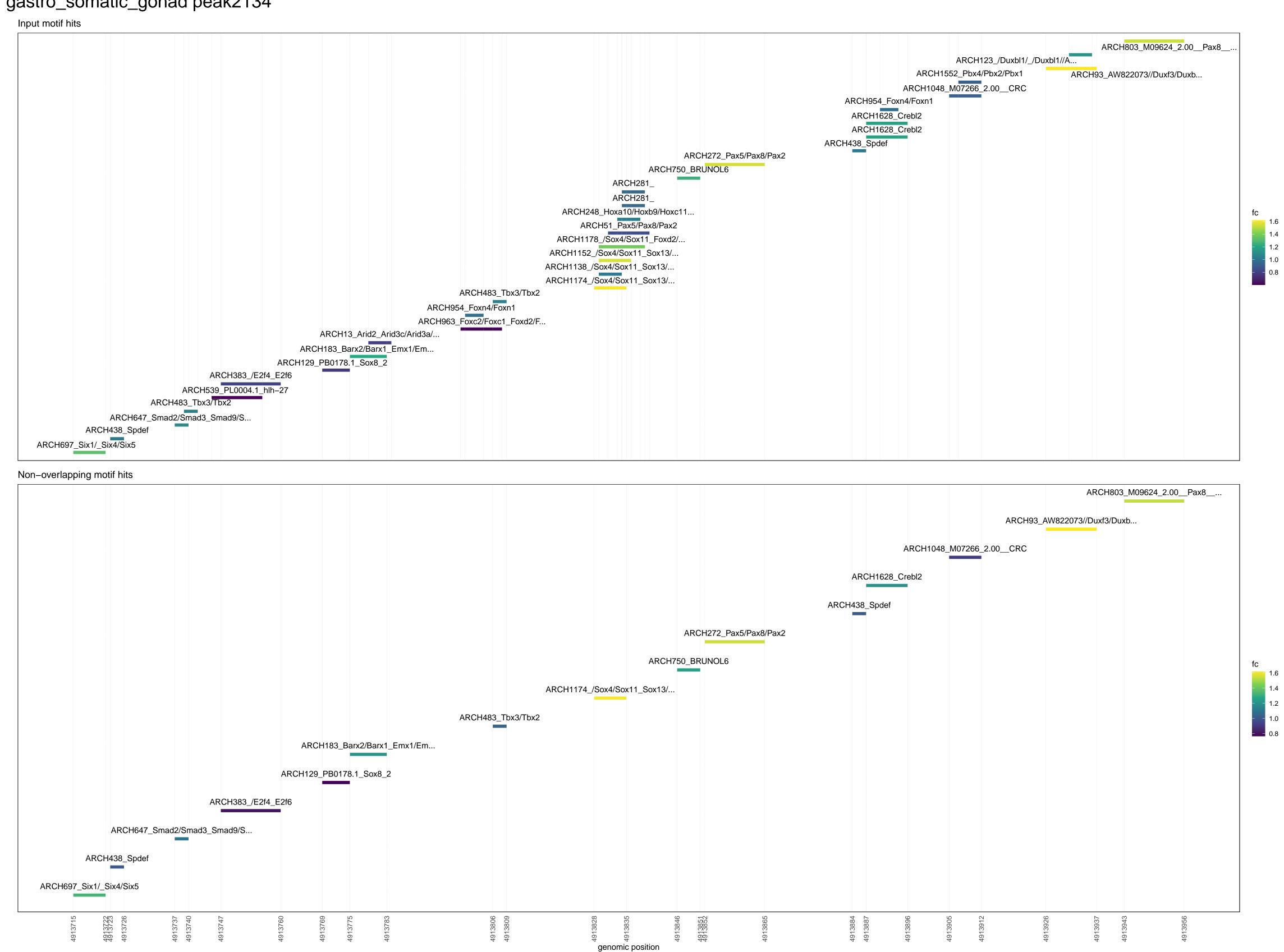


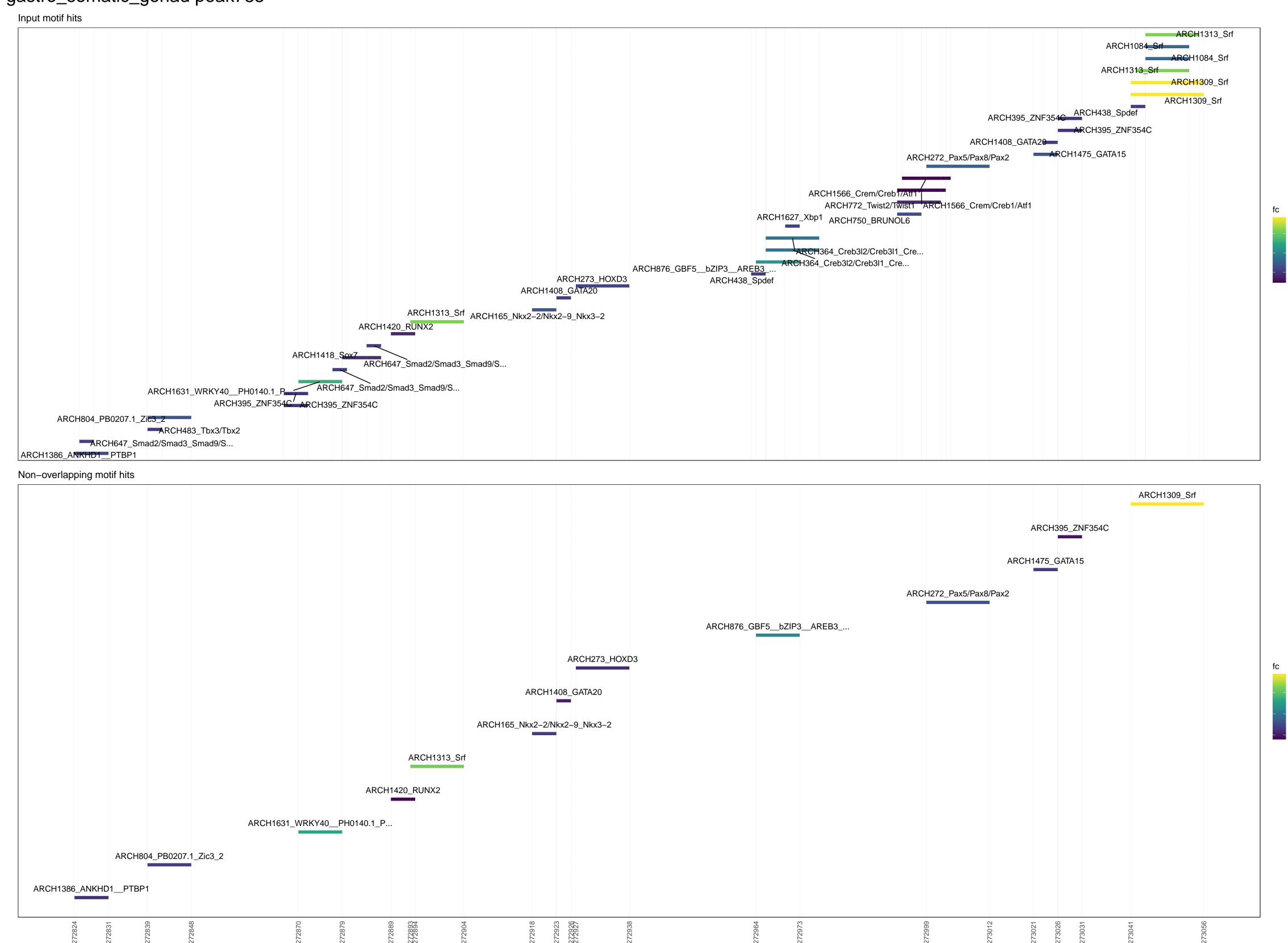


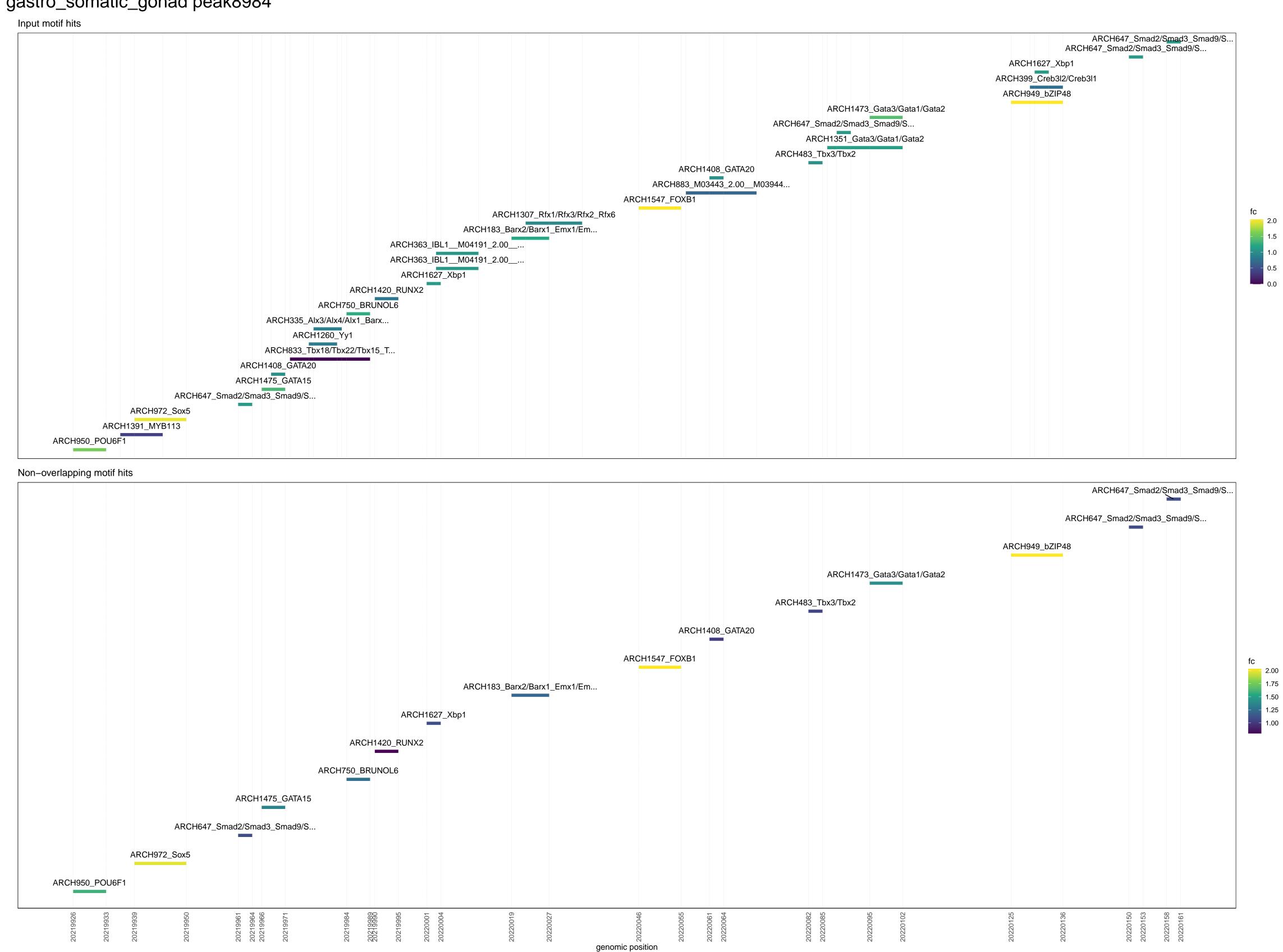


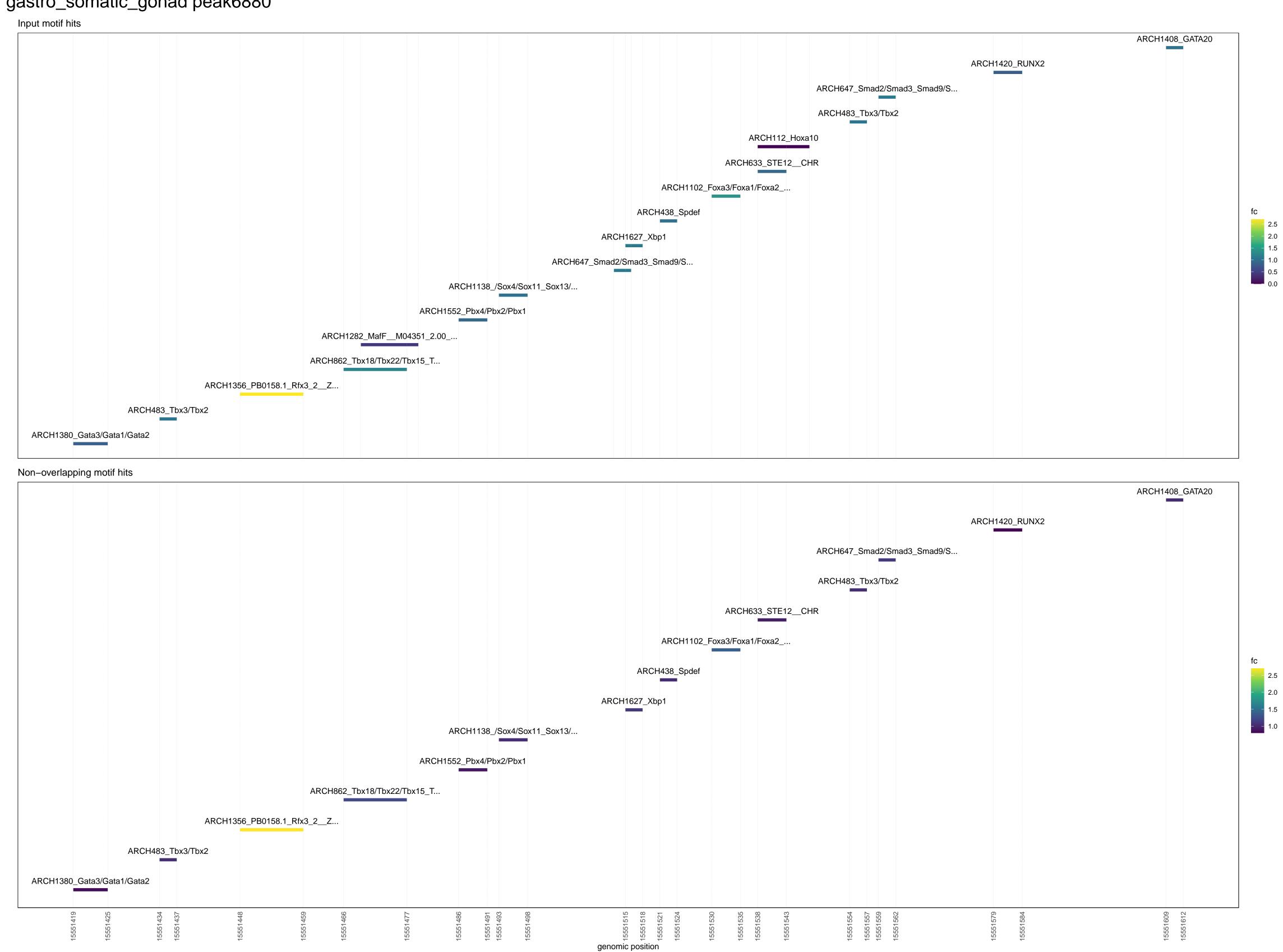




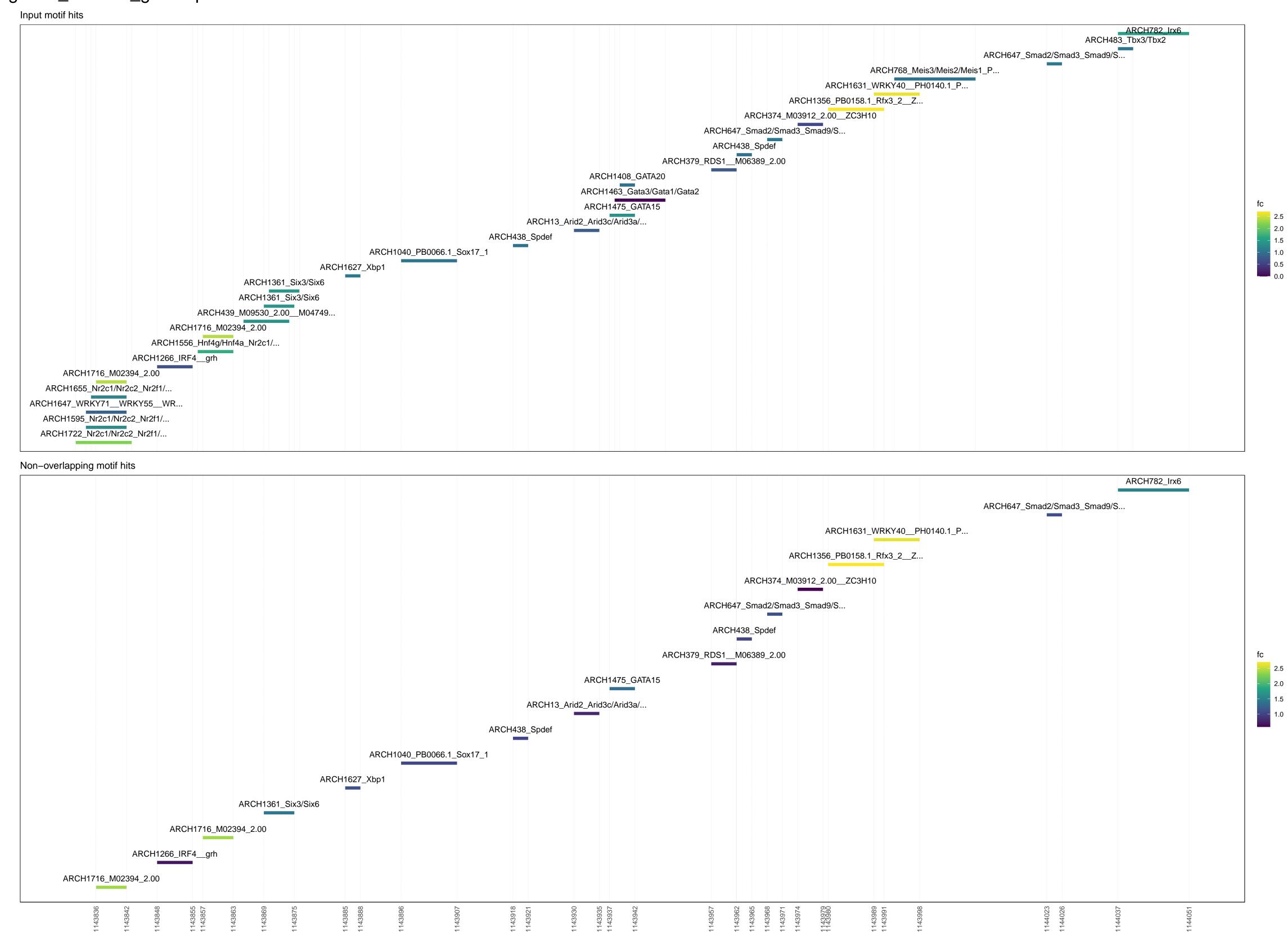




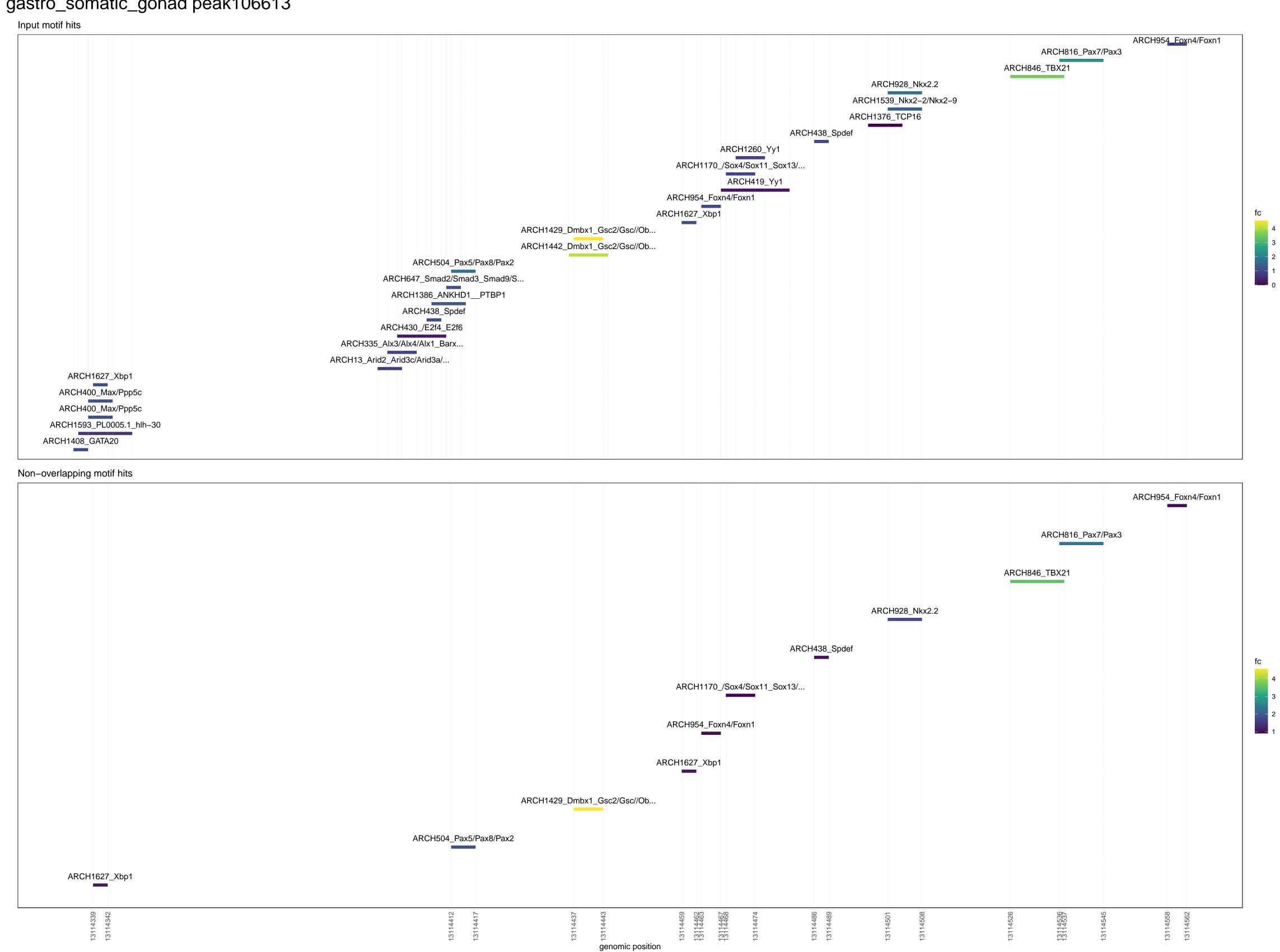


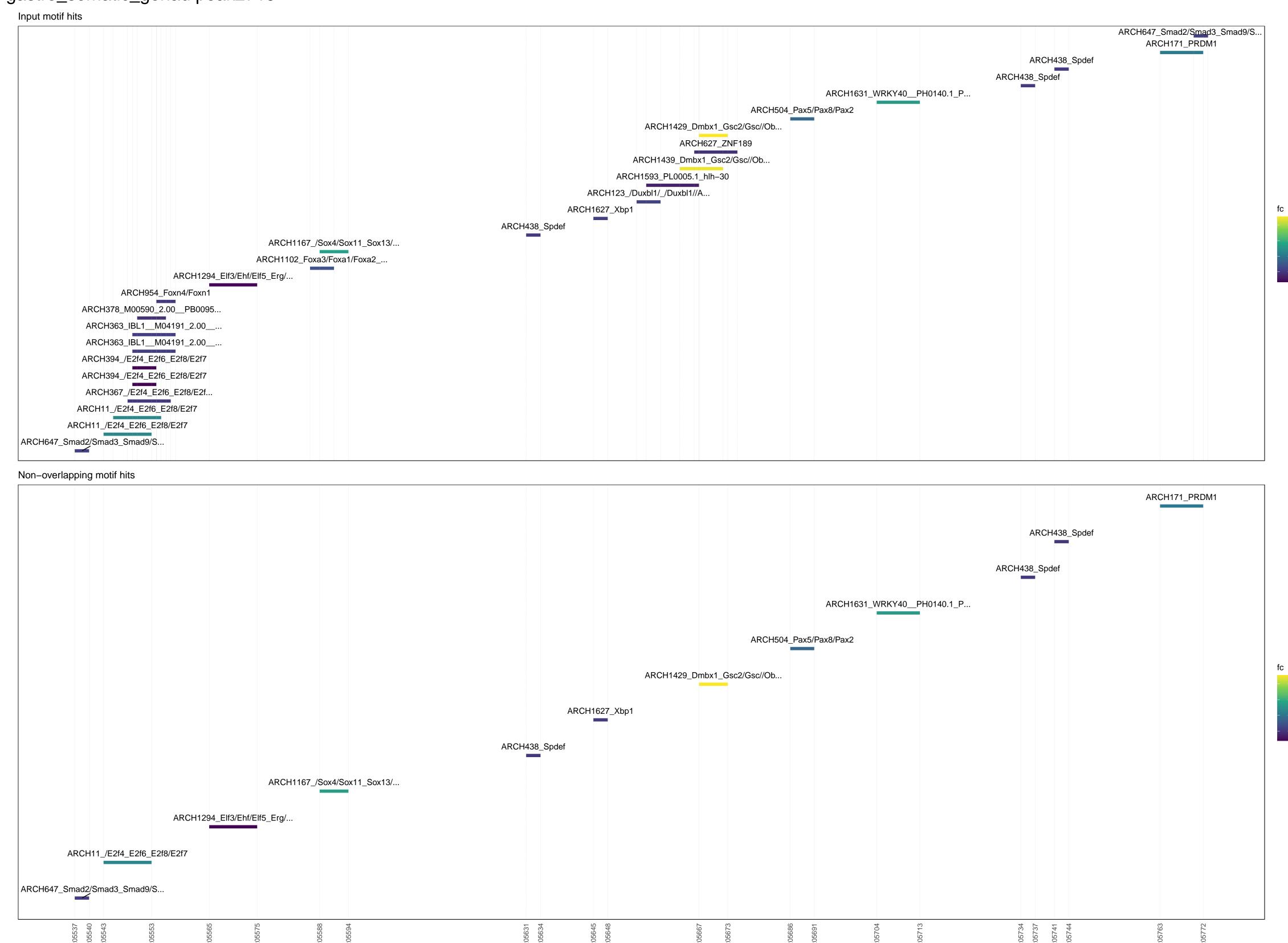


ARCH1631_WRKY40__PH0140.1_P...

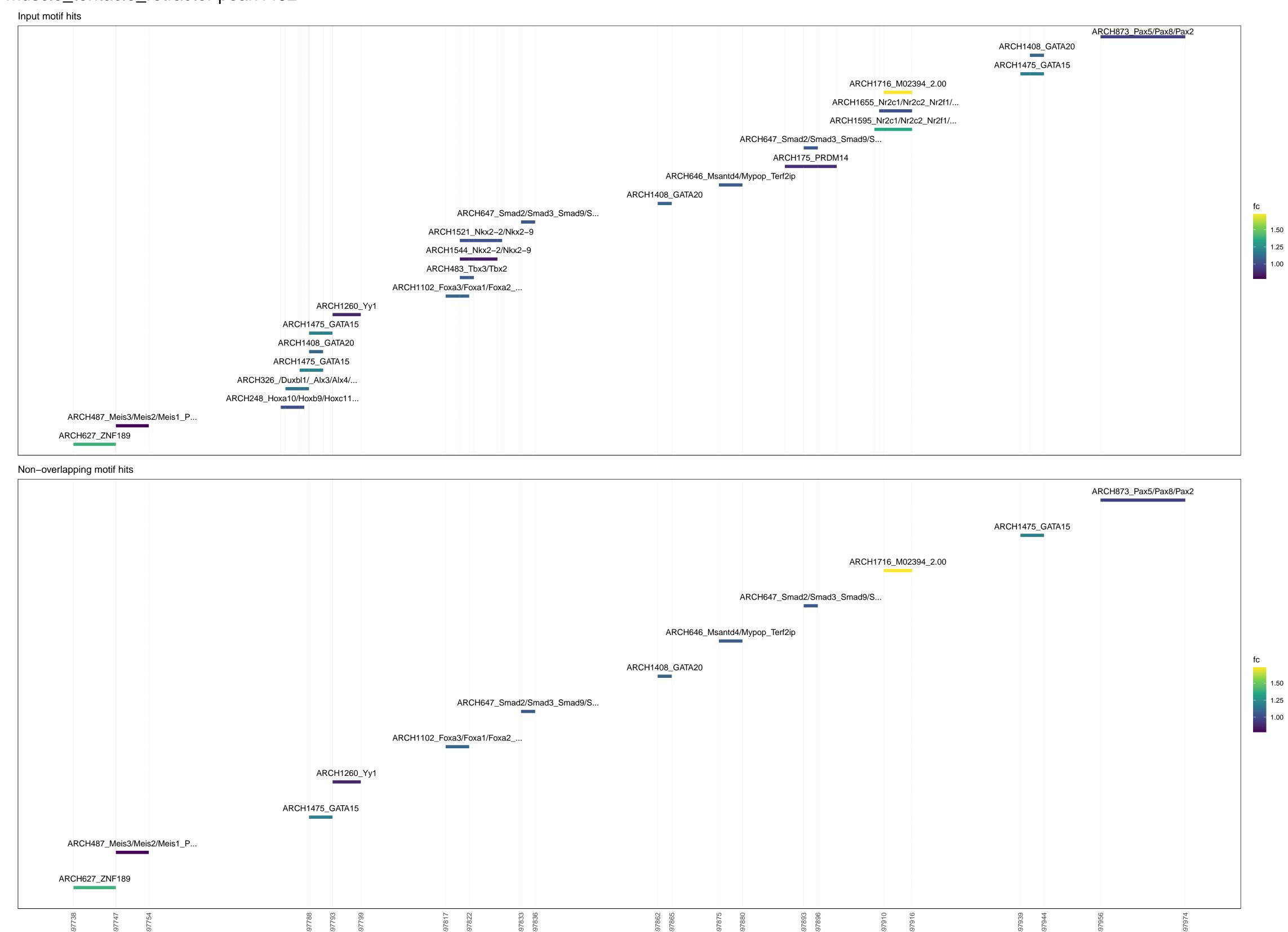


gastro_somatic_gonad peak19448 Input motif hits ARCH699_TEAD4 ARCH438_Spdef ARCH693_TEA1__SUT2 ARCH646_Msantd4/Mypop_Terf2ip ARCH1102_Foxa3/Foxa1/Foxa2_... ARCH1439_Dmbx1_Gsc2/Gsc//Ob... ARCH394_/E2f4_E2f6_E2f8/E2f7 ARCH394_/E2f4_E2f6_E2f8/E2f7 ARCH462_Smad4 ARCH954_Foxn4/Foxn1 ARCH816_Pax7/Pax3 ARCH1266_IRF4__grh ARCH272_Pax5/Pax8/Pax2 ARCH1103_M09140_2.00__M0918... ARCH504_Pax5/Pax8/Pax2 ARCH438_Spdef ARCH438_Spdef ARCH647_Smad2/Smad3_Smad9/S... ARCH281_ ARCH281_ ARCH1627_Xbp1 ARCH1617_Crem/Creb1/Atf1 ARCH1552_Pbx4/Pbx2/Pbx1 ARCH1485_Atf3/Jdp2_Fos/Fosb... ARCH1396_Fos/Fosb/Fosl1/Fosl2 ARCH1485_Atf3/Jdp2_Fos/Fosb... Non-overlapping motif hits ARCH646_Msantd4/Mypop_Terf2ip ARCH1102_Foxa3/Foxa1/Foxa2_... ARCH1439_Dmbx1_Gsc2/Gsc//Ob... ARCH816_Pax7/Pax3 ARCH1103_M09140_2.00__M0918... ARCH504_Pax5/Pax8/Pax2 ARCH438_Spdef ARCH647_Smad2/Smad3_Smad9/S... ARCH281_ ARCH1617_Crem/Creb1/Atf1 ARCH1552_Pbx4/Pbx2/Pbx1 ARCH1485_Atf3/Jdp2_Fos/Fosb...



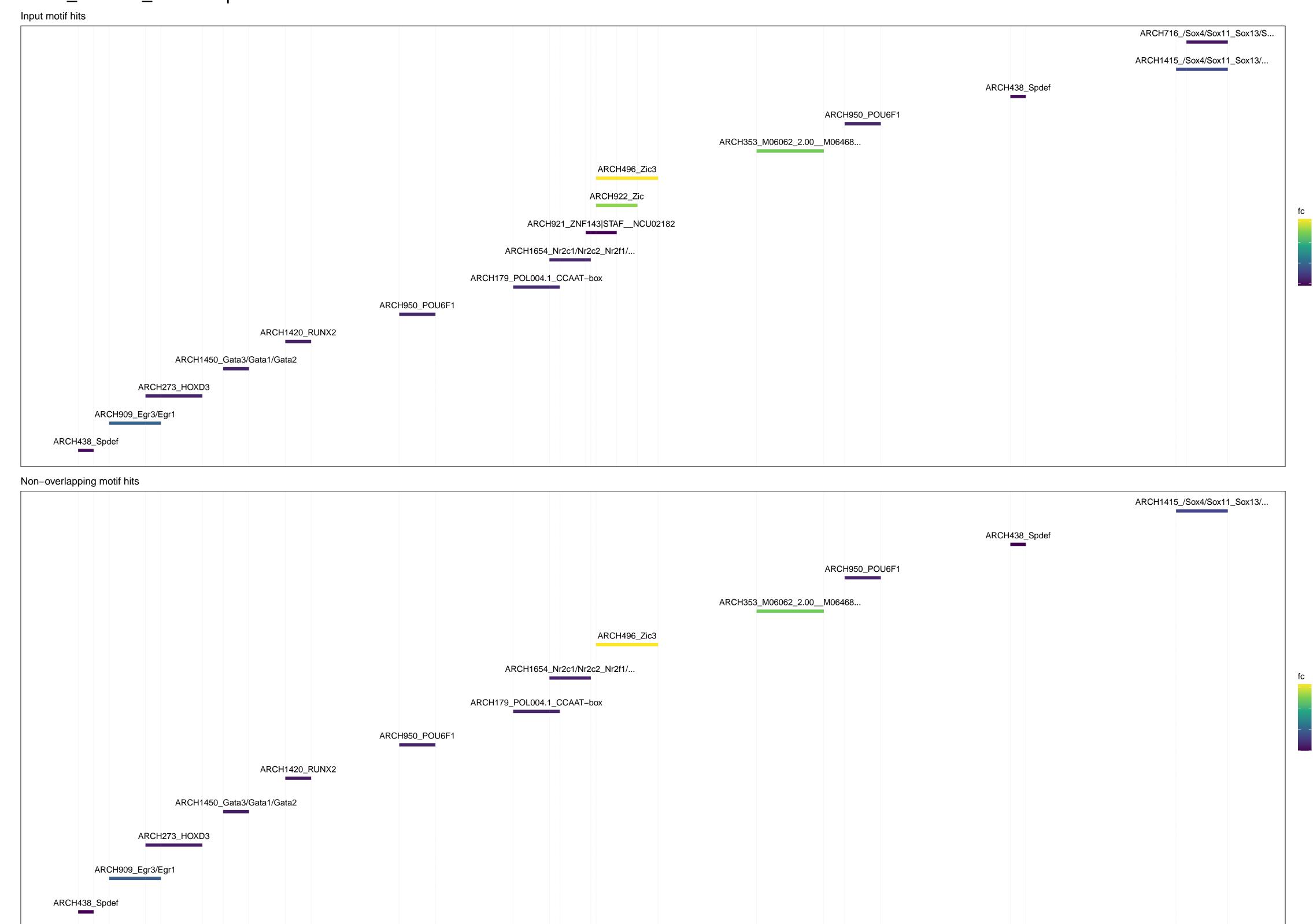


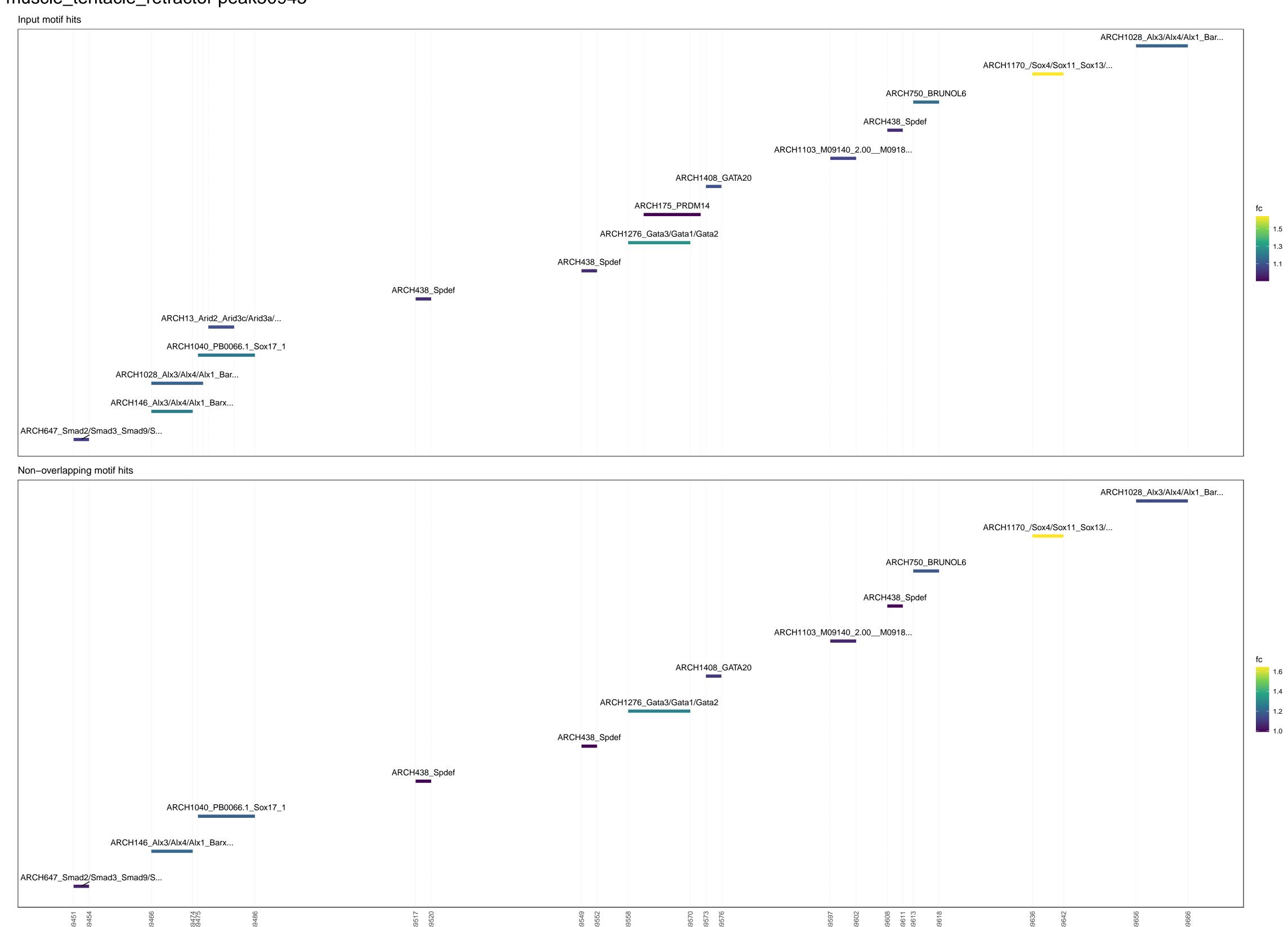
gastro_somatic_gonad peak69761 Input motif hits ARCH272_Pax5/Pax8/Pax2 ARCH1439_Dmbx1_Gsc2/Gsc//Ob... ARCH1439_Dmbx1_Gsc2/Gsc//Ob... ARCH1439_Dmbx1_Gsc2/Gsc//Ob... ARCH1429_Dmbx1_Gsc2/Gsc//Ob... ARCH1442_Dmbx1_Gsc2/Gsc//Ob... ARCH1439_Dmbx1_Gsc2/Gsc//Ob... ARCH462_Smad4 ARCH638_FZF1__MYB55 ARCH1429_Dmbx1_Gsc2/Gsc//Ob... ARCH1442_Dmbx1_Gsc2/Gsc//Ob... ARCH1439_Dmbx1_Gsc2/Gsc//Ob... ARCH1429_Dmbx1_Gsc2/Gsc//Ob... ARCH1442_Dmbx1_Gsc2/Gsc//Ob... ARCH1439_Dmbx1_Gsc2/Gsc//Ob... Non-overlapping motif hits ARCH272_Pax5/Pax8/Pax2 ARCH1439_Dmbx1_Gsc2/Gsc//Ob... ARCH1439_Dmbx1_Gsc2/Gsc//Ob... 4.5 4.0 ARCH1439_Dmbx1_Gsc2/Gsc//Ob... 3.5 3.0 - 2.5 - 2.0 ARCH1429_Dmbx1_Gsc2/Gsc//Ob... ARCH1429_Dmbx1_Gsc2/Gsc//Ob... ARCH1429_Dmbx1_Gsc2/Gsc//Ob...

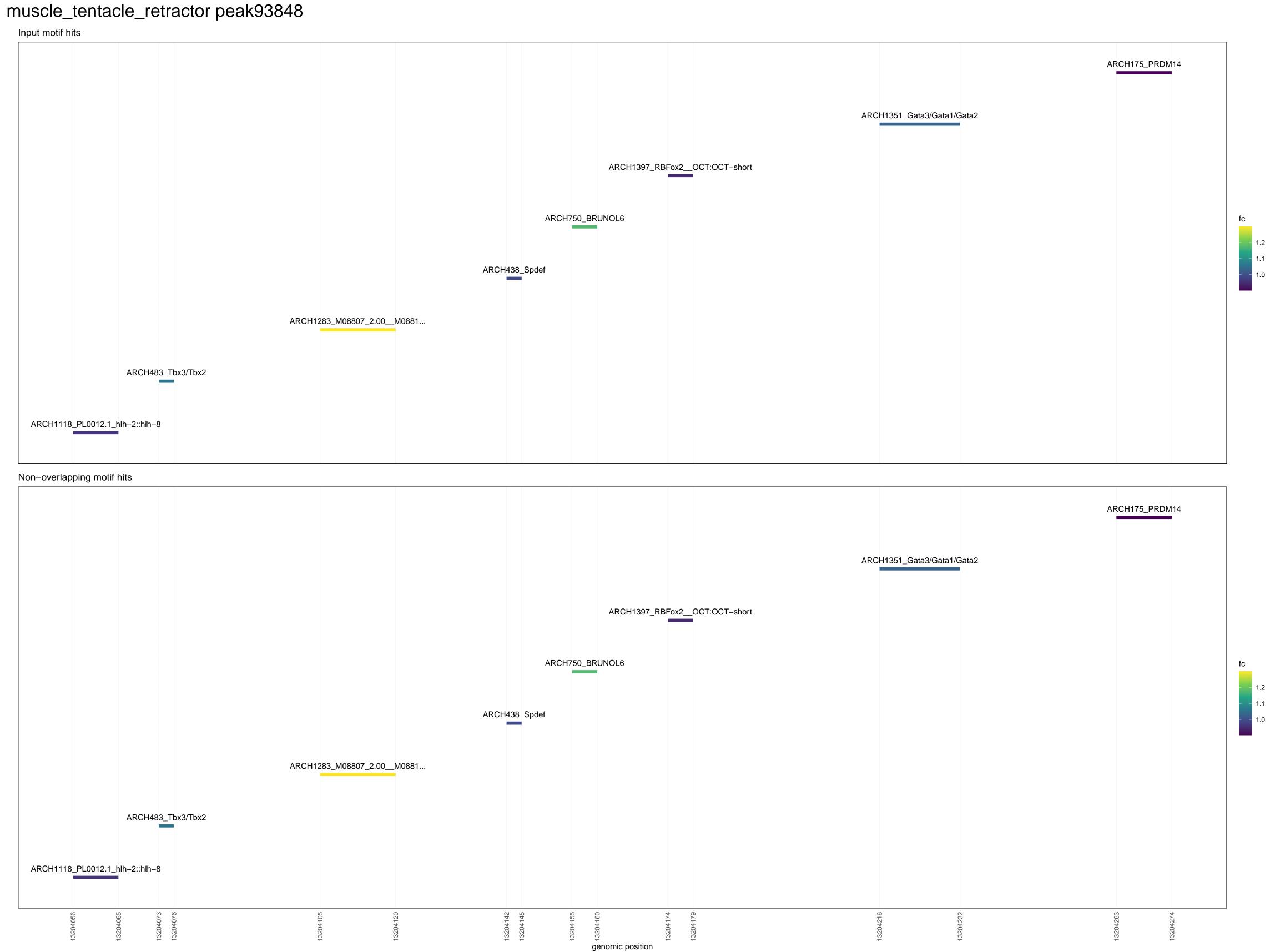


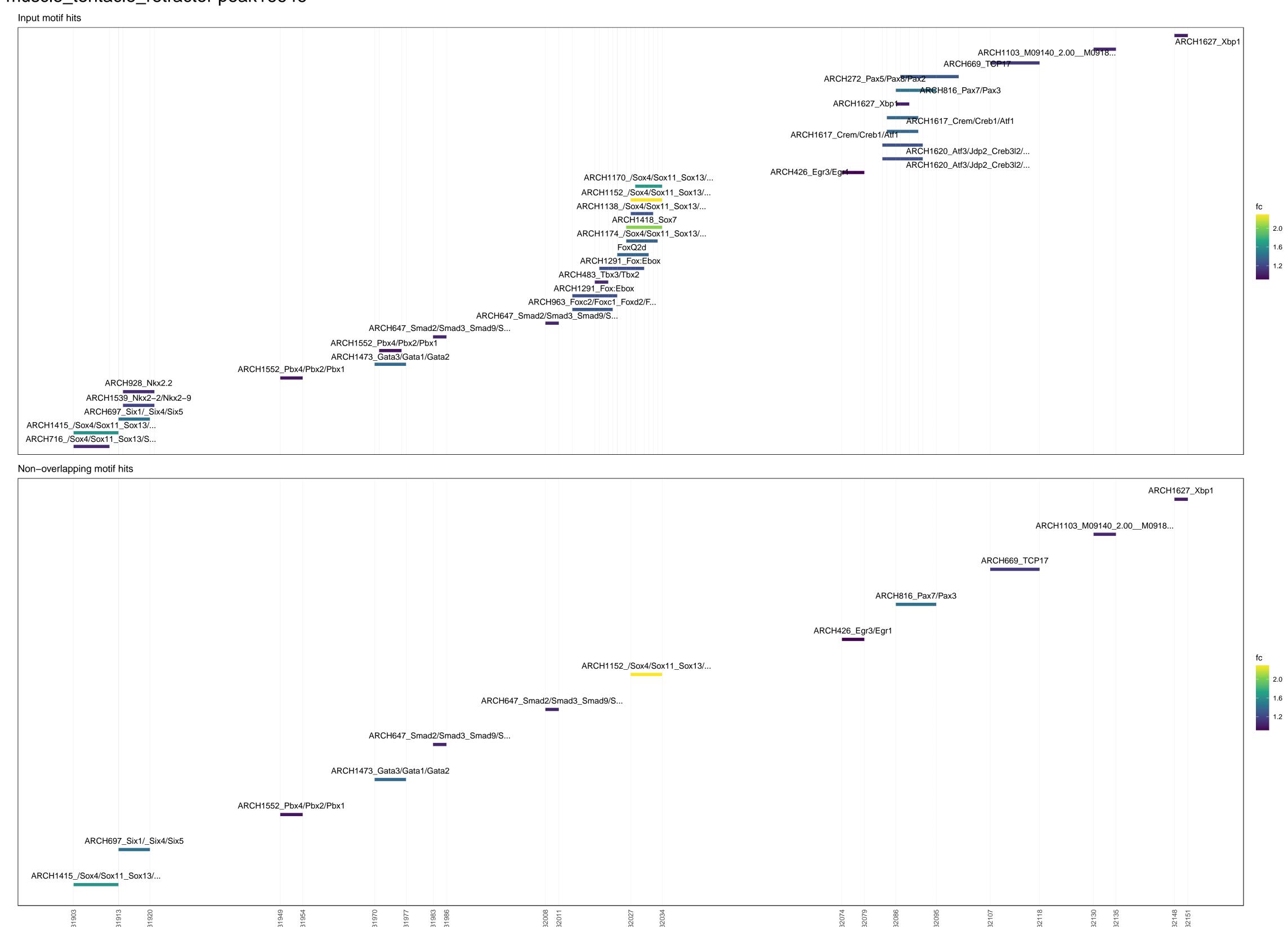
muscle_tentacle_retractor peak4762 Input motif hits ARCH647_Smad2/Smad3_Smad9/S... ARCH379_RDS1__M06389_2.00 ARCH638_FZF1__MYB55 ARCH1048_M07266_2.00__CRC ARCH13_Arid2_Arid3c/Arid3a/... ARCH1244_ARALYDRAFT_484486 ARCH954_Foxn4/Foxn1 ARCH421_MF0002.1_bZIP_CREB ARCH702_Zic1::Zic2 ARCH922_Zic ARCH438_Spdef ARCH496_Zic3 ARCH1415_/Sox4/Sox11_Sox13/... ARCH1138_/Sox4/Sox11_Sox13/... ARCH1418_Sox7 ARCH1152_/Sox4/Sox11_Sox13/... ARCH647_Smad2/Smad3_Smad9/S... ARCH273_HOXD3 ARCH702_Zic1::Zic2 ARCH438_Spdef ARCH1415_/Sox4/Sox11_Sox13/... ARCH716_/Sox4/Sox11_Sox13/S... ARCH1103_M09140_2.00__M0918.. ARCH750_BRUNOL6 ARCH735_GATA19 ARCH1429_Dmbx1_Gsc2/Gsc//Ob... ARCH1442_Dmbx1_Gsc2/Gsc//Ob... Non-overlapping motif hits ARCH647_Smad2/Smad3_Smad9/S.. ARCH379_RDS1__M06389_2.00 ARCH638_FZF1__MYB55 ARCH1244_ARALYDRAFT_484486 ARCH421_MF0002.1_bZIP_CREB ARCH496_Zic3 ARCH273_HOXD3 ARCH702_Zic1::Zic2 ARCH1415_/Sox4/Sox11_Sox13/... ARCH1103_M09140_2.00__M0918... ARCH735_GATA19 ARCH1442_Dmbx1_Gsc2/Gsc//Ob...

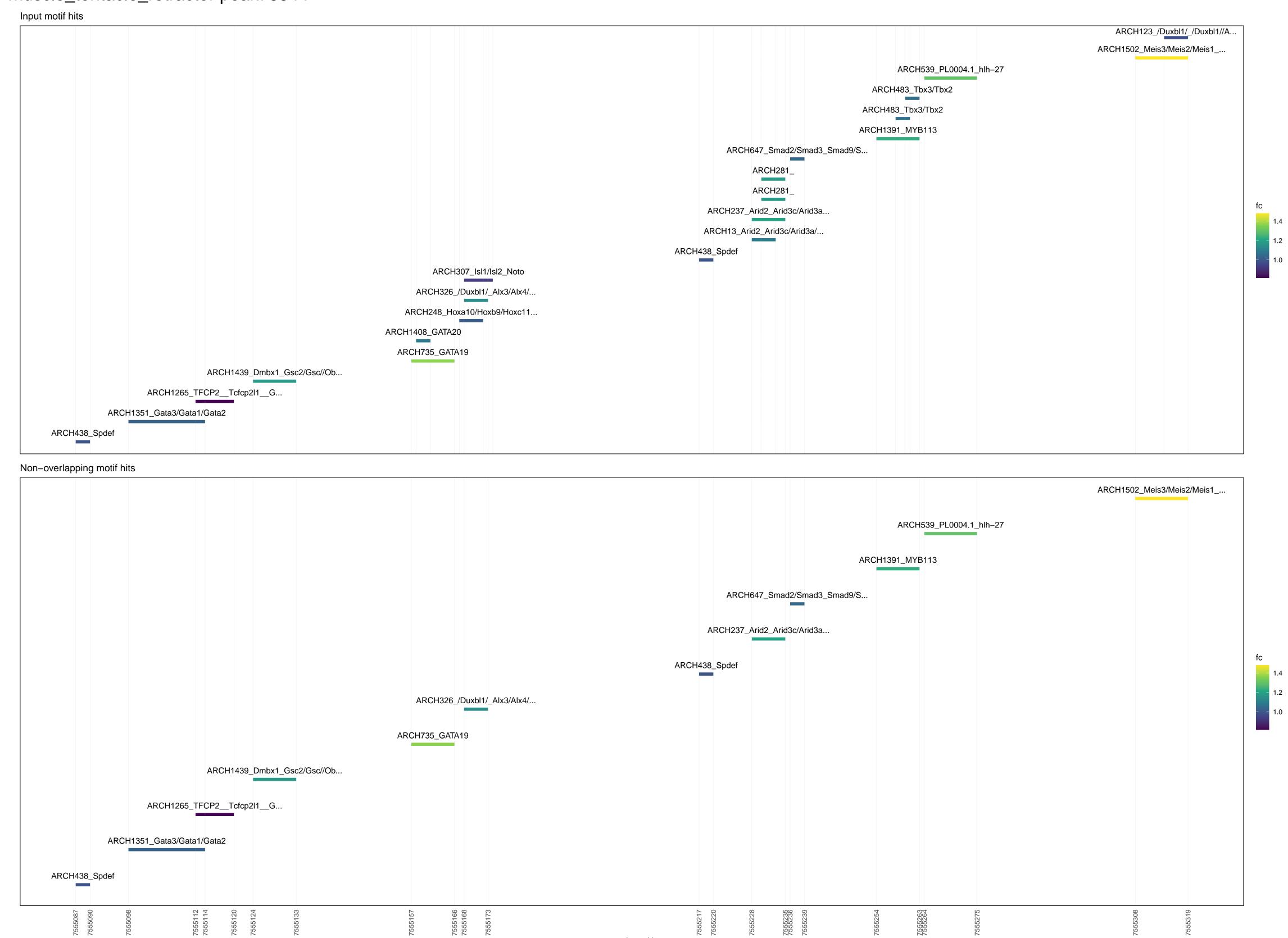
muscle_tentacle_retractor peak62007 Input motif hits ARCH647_Smad2/Smad3_Smad9/S... ARCH954_Foxn4/Foxn1 ARCH438_Spdef ARCH750_BRUNOL6 ARCH647_Smad2/Smad3_Smad9/S... ARCH379_RDS1__M06389_2.00 ARCH462_Smad4 ARCH816_Pax7/Pax3 ARCH954_Foxn4/Foxn1 ARCH803_M09624_2.00__Pax8__... ARCH483_Tbx3/Tbx2 ARCH924_/Lef1/Tcf7I1/Tcf7 ARCH973_Foxa3/Foxa1/Foxa2 ARCH669_TCP17 ARCH647_Smad2/Smad3_Smad9/S... ARCH716_/Sox4/Sox11_Sox13/S... ARCH647_Smad2/Smad3_Smad9/S... ARCH394_/E2f4_E2f6_E2f8/E2f7 ARCH394_/E2f4_E2f6_E2f8/E2f7 ARCH462_Smad4 ARCH647_Smad2/Smad3_Smad9/S... ARCH385_M08281_2.00__ZNF711 ARCH647_Smad2/Smad3_Smad9/S... ARCH669_TCP17 ARCH378_M00590_2.00__PB0095... ARCH367_/E2f4_E2f6_E2f8/E2f... ARCH377_Nrf1 ARCH1627_Xbp1 ARCH364_Creb3l2/Creb3l1_Cre... ARCH364_Creb3l2/Creb3l1_Cre... ARCH483_Tbx3/Tbx2 Non-overlapping motif hits ARCH954_Foxn4/Foxn1 ARCH750_BRUNOL6 ARCH438_Spdef ARCH647_Smad2/Smad3_Smad9/S... ARCH462_Smad4 ARCH924_/Lef1/Tcf7I1/Tcf7 ARCH716_/Sox4/Sox11_Sox13/S... ARCH647_Smad2/Smad3_Smad9/S... 1.3 ARCH462_Smad4 ARCH647_Smad2/Smad3_Smad9/S... ARCH385_M08281_2.00__ZNF711 ARCH669_TCP17 ARCH378_M00590_2.00__PB0095... ARCH364_Creb3l2/Creb3l1_Cre... ARCH483_Tbx3/Tbx2





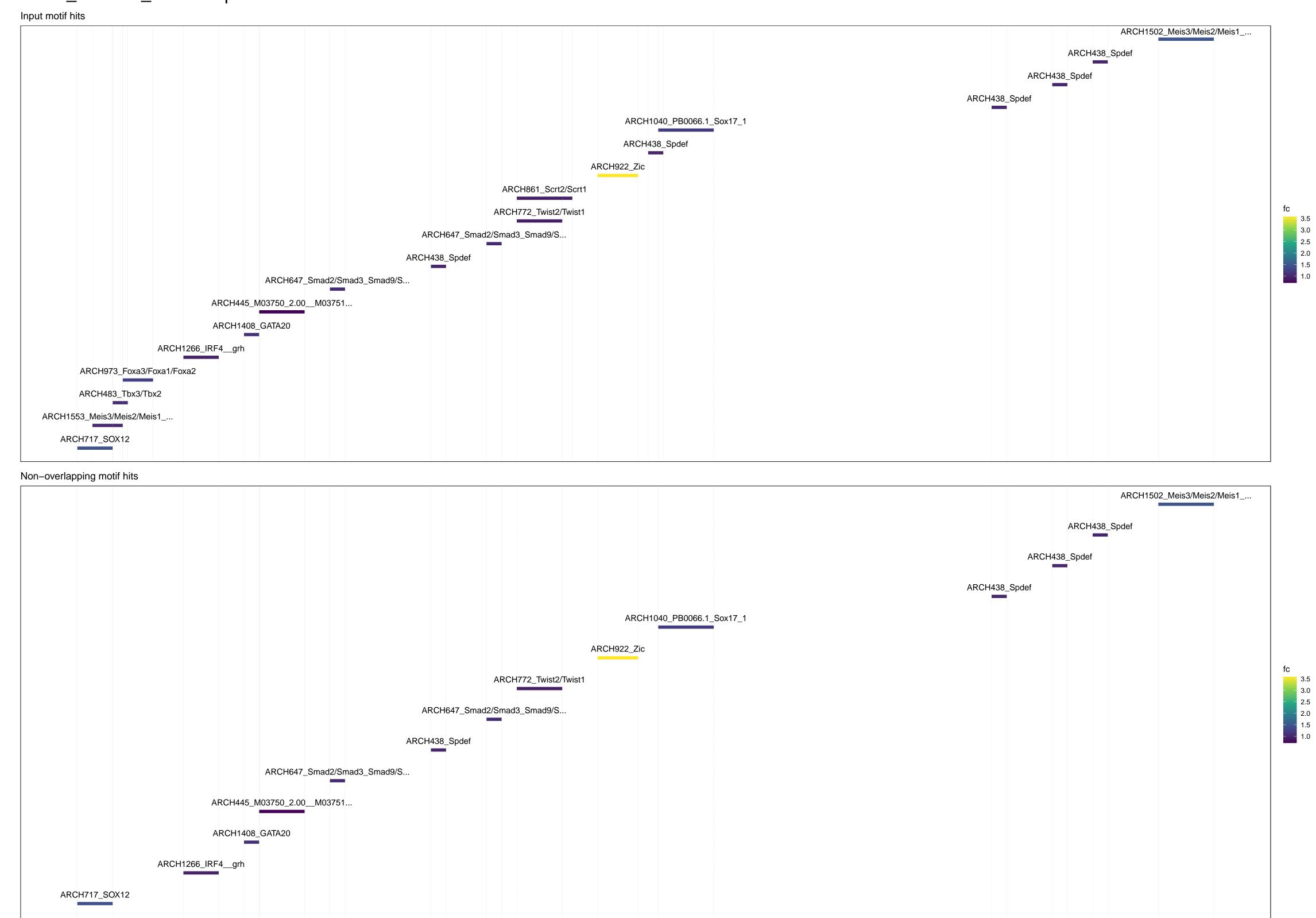


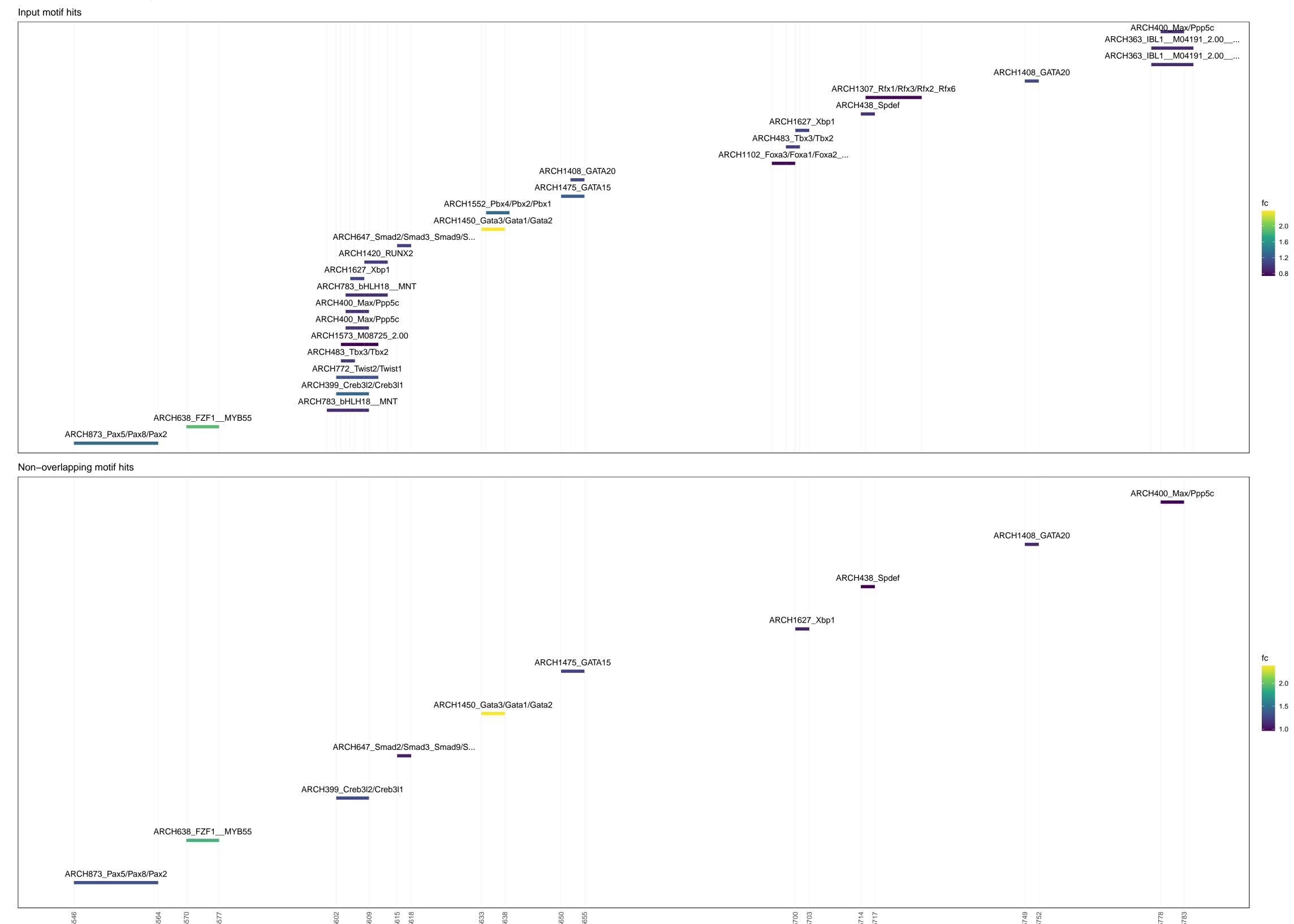


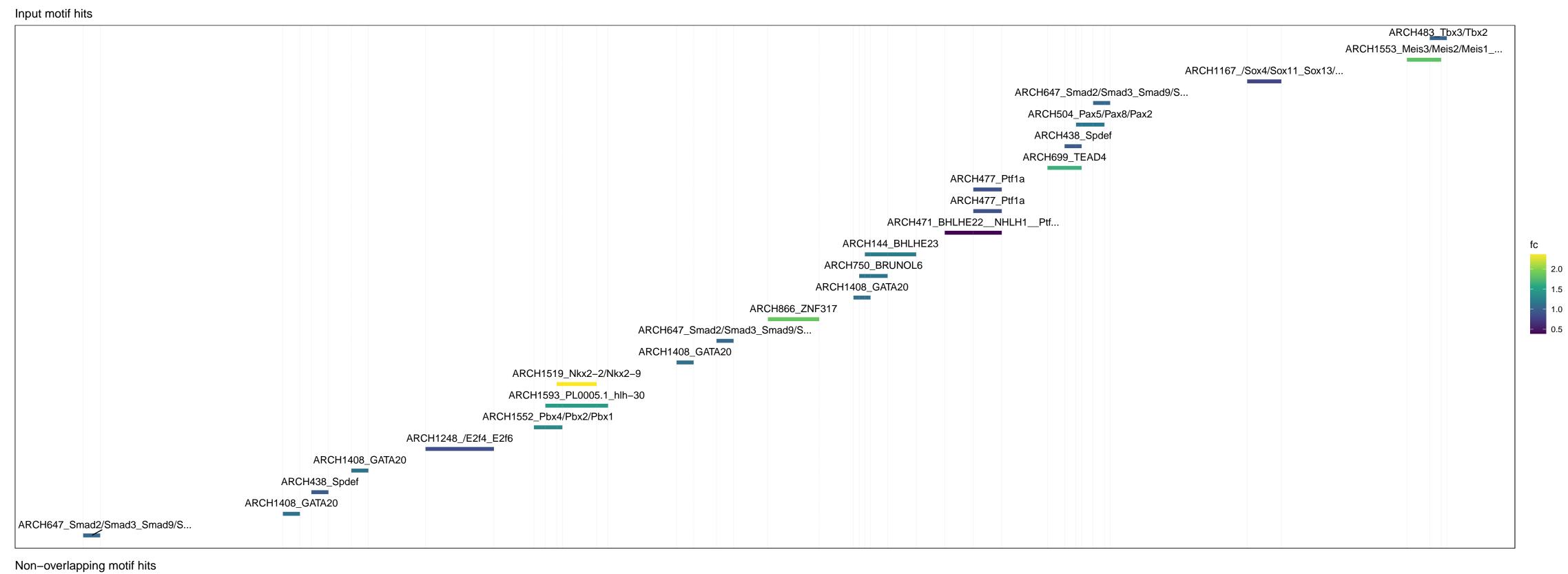


muscle_tentacle_retractor peak108788 Input motif hits ARCH438_Spdef ARCH647_Smad2/Smad3_Smad9/S... ARCH1103_M09140_2.00__M0918... ARCH13_Arid2_Arid3c/Arid3a/... ARCH1521_Nkx2-2/Nkx2-9 ARCH504_Pax5/Pax8/Pax2 ARCH353_M06062_2.00__M06468... ARCH367_/E2f4_E2f6_E2f8/E2f... ARCH383_/E2f4_E2f6 ARCH378_M00590_2.00__PB0095... ARCH383_/E2f4_E2f6 ARCH11_/E2f4_E2f6_E2f8/E2f7 ARCH367_/E2f4_E2f6_E2f8/E2f... ARCH383_/E2f4_E2f6 3.0 ARCH11_/E2f4_E2f6_E2f8/E2f7 2.5 ARCH1473_Gata3/Gata1/Gata2 - 2.0 - 1.5 ARCH1450_Gata3/Gata1/Gata2 ARCH1138_/Sox4/Sox11_Sox13/... ARCH1152_/Sox4/Sox11_Sox13/... ARCH1178_/Sox4/Sox11_Foxd2/... ARCH866_ZNF317 ARCH1380_Gata3/Gata1/Gata2 ARCH1552_Pbx4/Pbx2/Pbx1 ARCH1048_M07266_2.00__CRC ARCH123_/Duxbl1/_/Duxbl1//A... ARCH1502_Meis3/Meis2/Meis1_... ARCH647_Smad2/Smad3_Smad9/S... ARCH949_bZIP48 ARCH669_TCP17 Non-overlapping motif hits ARCH438_Spdef ARCH647_Smad2/Smad3_Smad9/S... ARCH1103_M09140_2.00__M0918... ARCH13_Arid2_Arid3c/Arid3a/... ARCH1521_Nkx2-2/Nkx2-9 3.0 ARCH353_M06062_2.00__M06468.. 2.5 2.0 ARCH378_M00590_2.00__PB0095... ARCH1152_/Sox4/Sox11_Sox13/... ARCH1380_Gata3/Gata1/Gata2 ARCH1502_Meis3/Meis2/Meis1_... ARCH669_TCP17

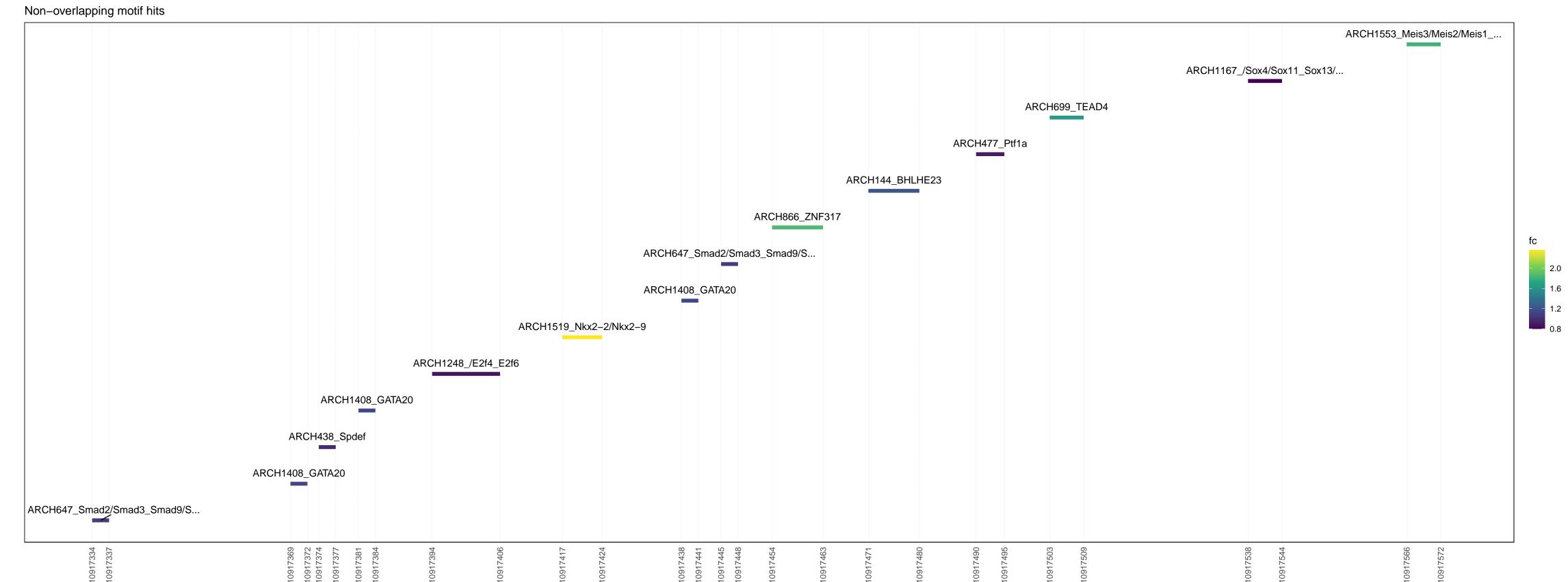
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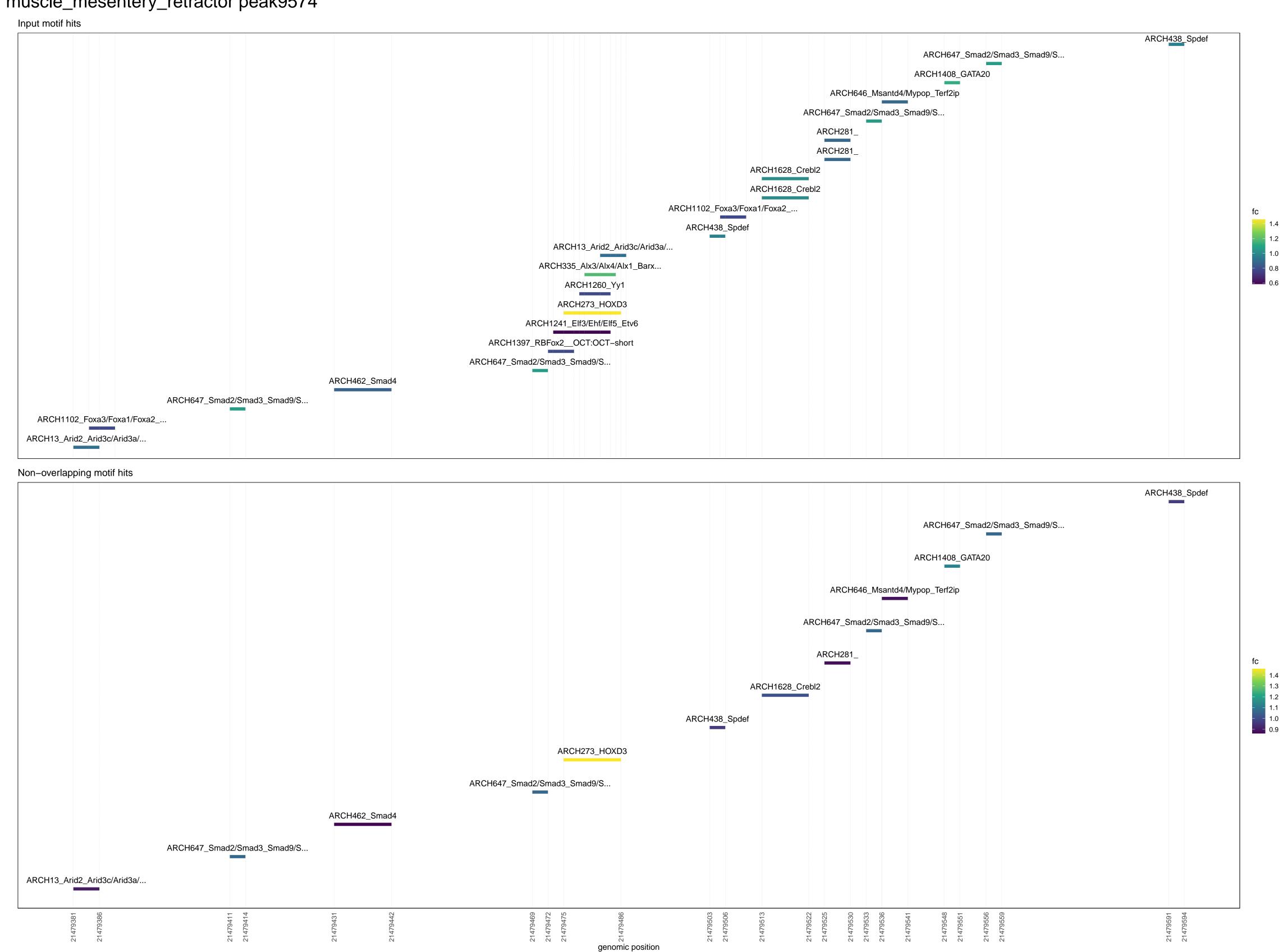


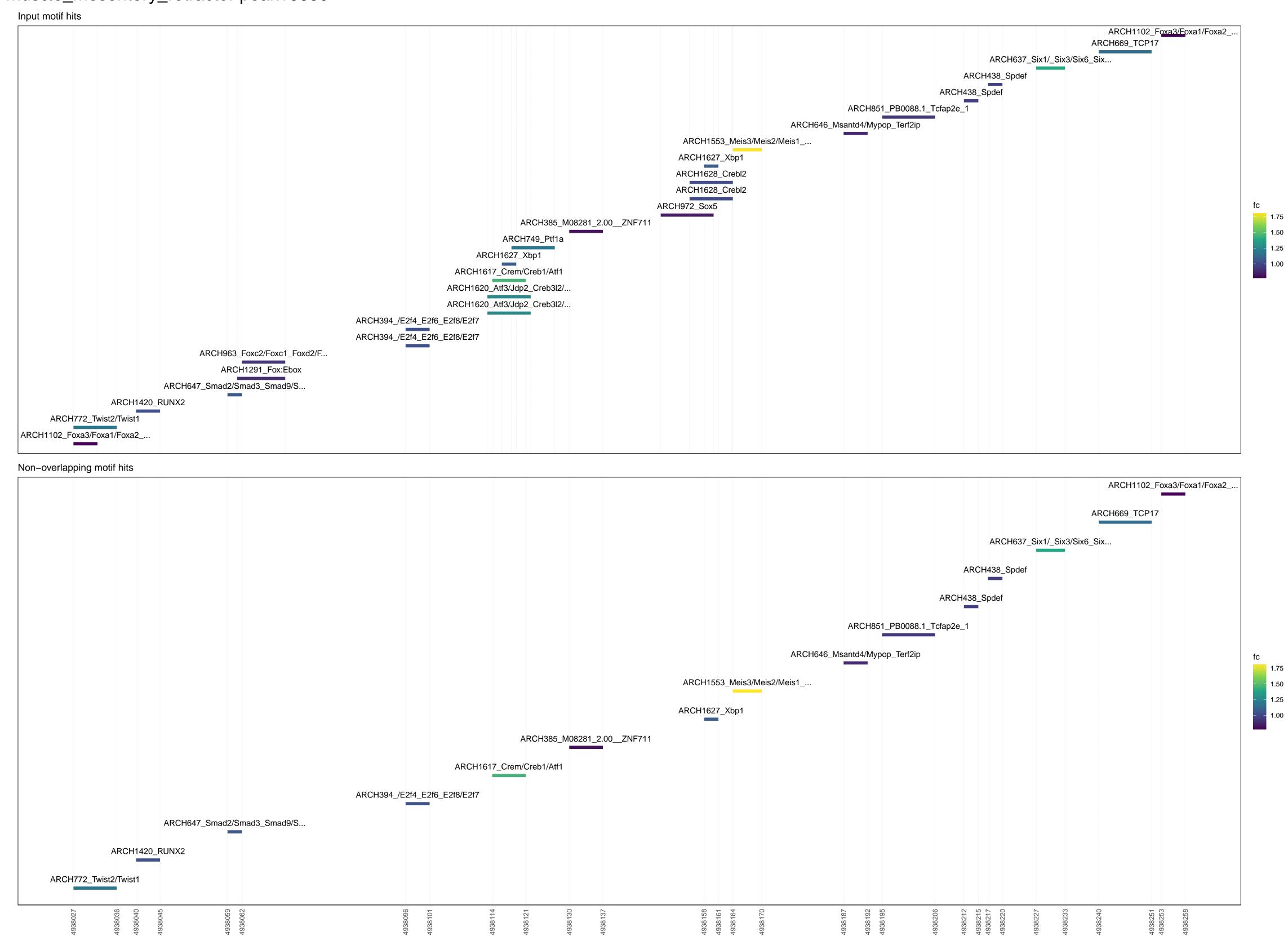


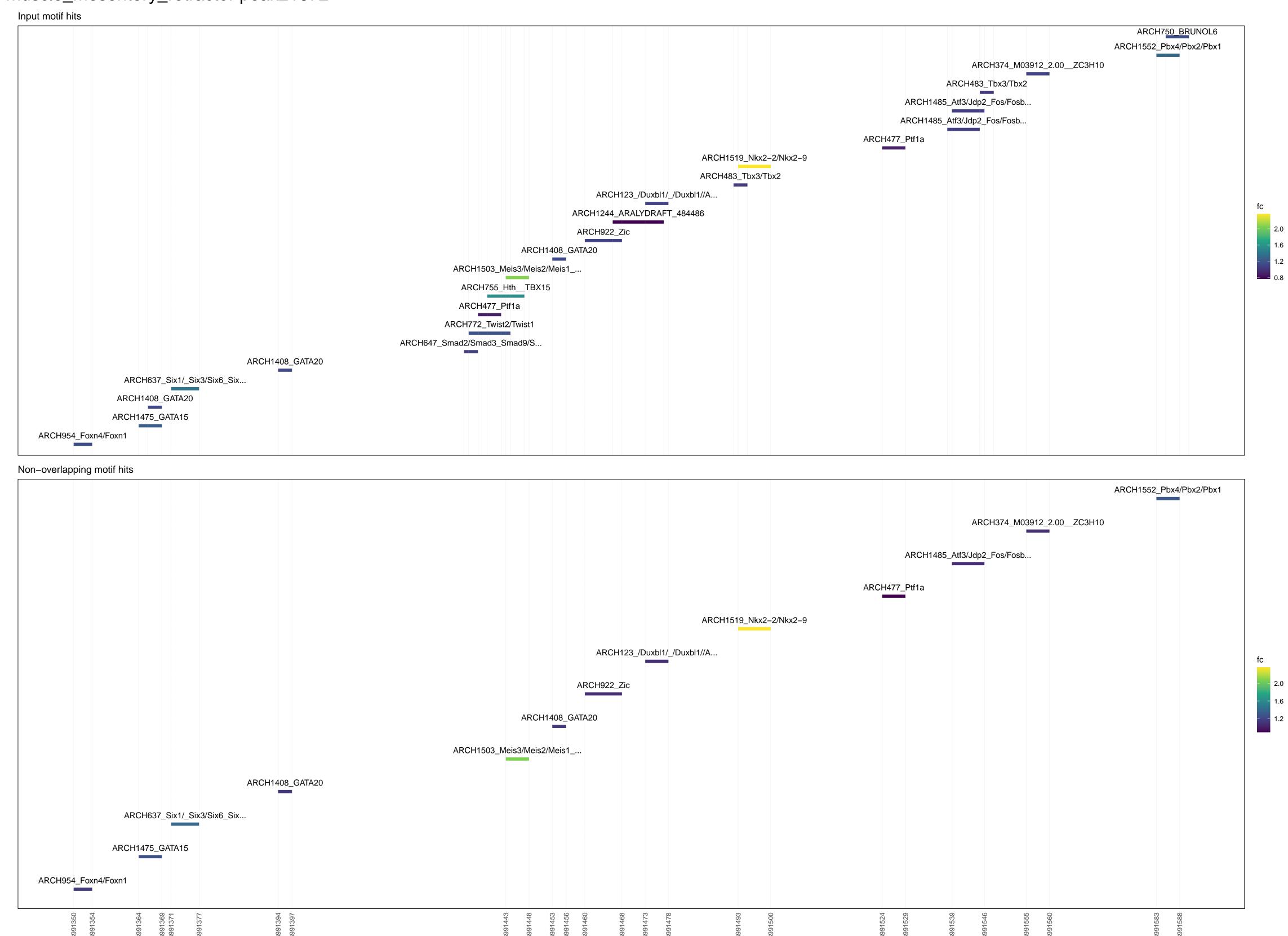


1.5









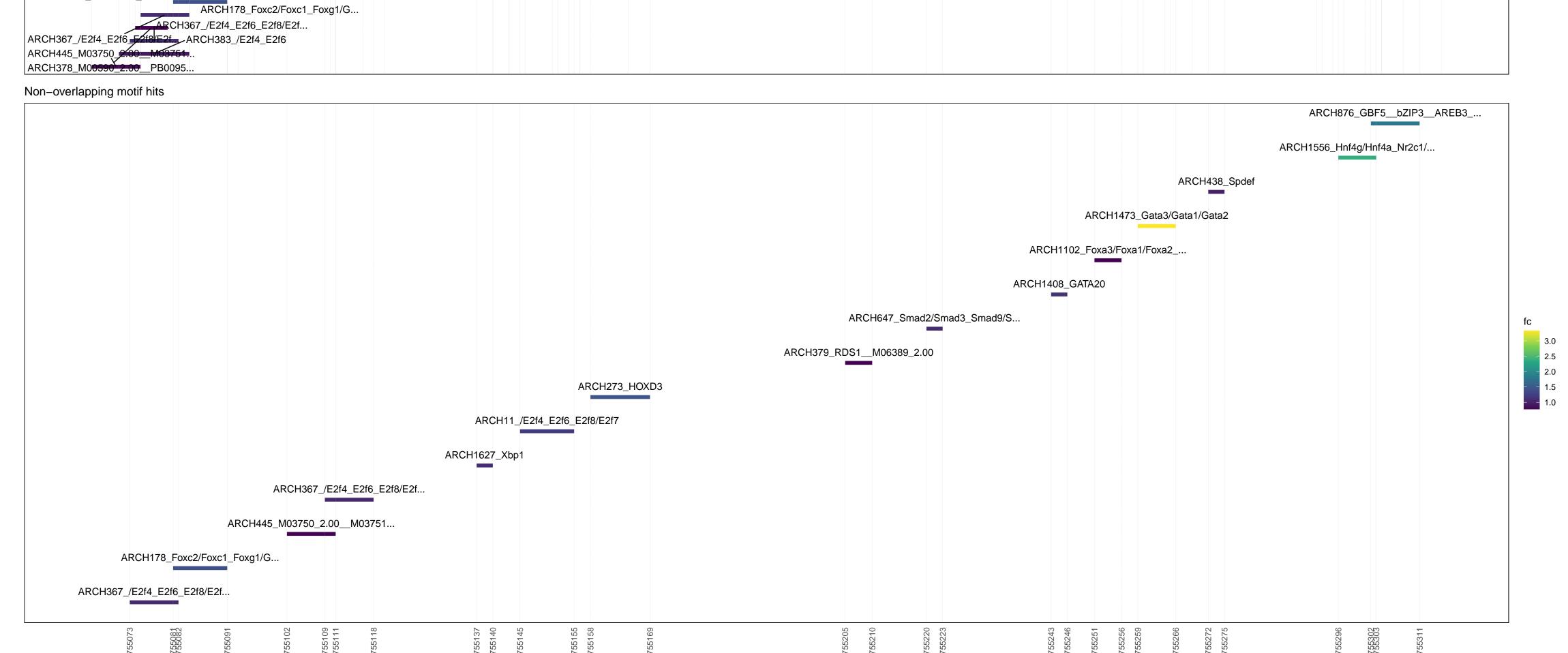
muscle_mesentery_retractor peak10851 Input motif hits ARCH364_Creb3l2/Creb3l1_ ARCH364_Creb3l2/Creb3l1_Cre.. ARCH876_GBF5__bZIP3__AREB3 ARCH1716_M02394_2.00 ARCH1654_Nr2c1/Nr2c2_Nr2f1/..._ARCH1655_Nr2c1/Nr2c2_Nr2f1/... ÀRCH1556_Hnf4g/Hnf4a_Nr2c1/... ARCH1595_Nr2c1/Nr2c2_Nr2f1/.. ARCH1722_Nr2c1/Nr2c2_Nr2f1/... ARCH1521_Nkx2-2/Nkx2-9 ARCH1552_Pbx4/Pbx2/Pbx1 ARCH379_RDS1__M06389_2.00 ARCH1473_Gata3/Gata1/Gata2 ARCH1102_Foxa3/Foxa1/Foxa2_... ARCH647_Smad2/Smad3_Smad9/S... ARCH1408_GATA20 ARCH379_RDS1__M06389_2.00 ARCH273_HOXD3 ARCH179_POL004.1_CCAAT-box ARCH378_M00590_2.00__PB00<u>95...\ ARC</u>H11_/E2f4_E2f6_E2f8/E2f7 ARCH383_/E2f4_E2f6 ARCH367_/E2f4_E2f6_E2f8/E2f... ARCH438_Spdef ARCH851_PB0088.1_Tcfap2e_1 ARCH1627_Xbp1 ARCH378_M00590_2.00__PE0095.. ARCH367_/E2f4_E2f6_E2f8/E2f... ARCH367_/E2f4_E2f6_E2f8/E2f... ARCH445_M03750_2.00__M03751... ARCH1552_Pbx4/Pbx2/Pbx1 ARCH179_POL004.1_CCAAT_box1

ARCH1627_Xbp1

3.0

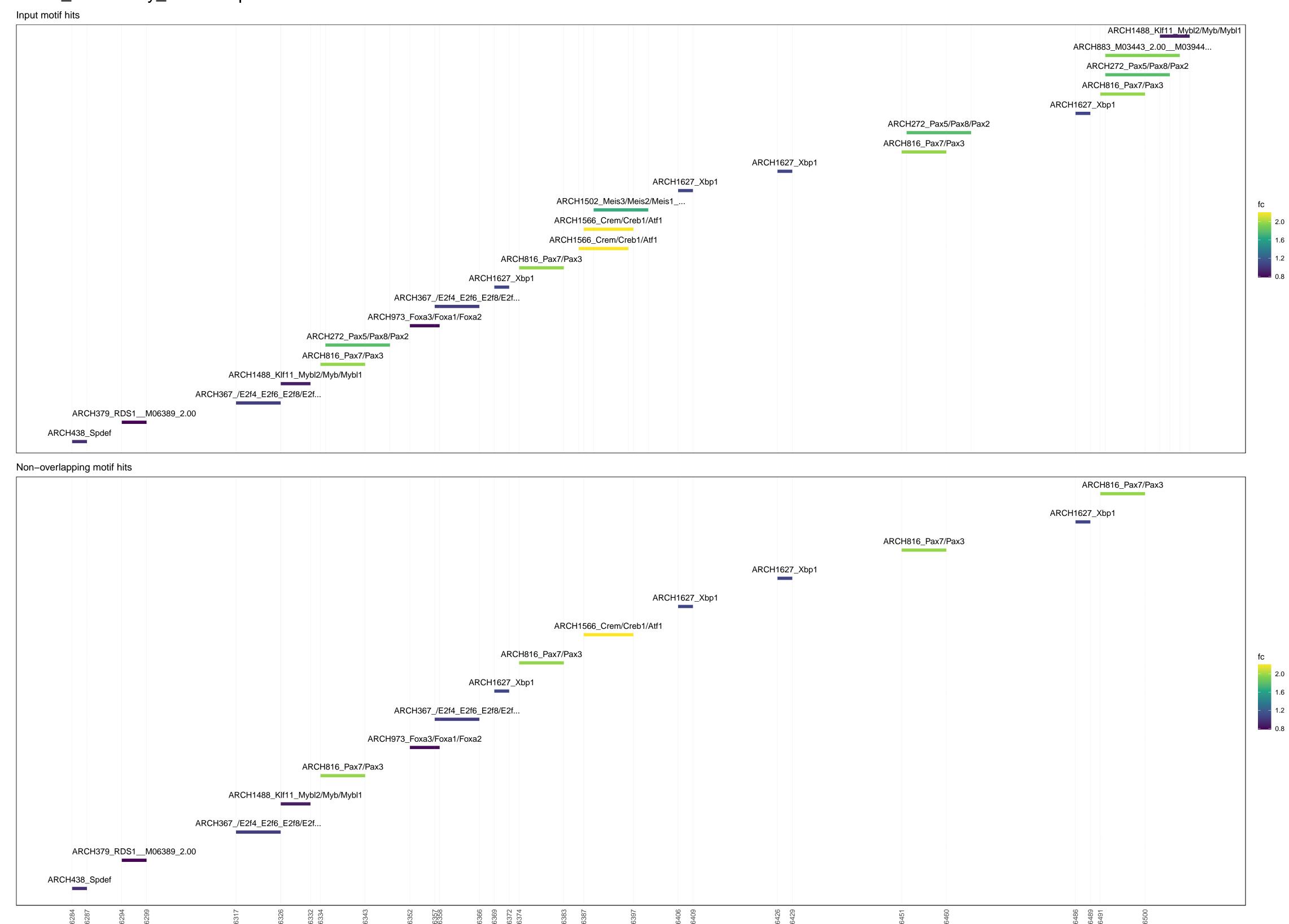
2.5 - 2.0

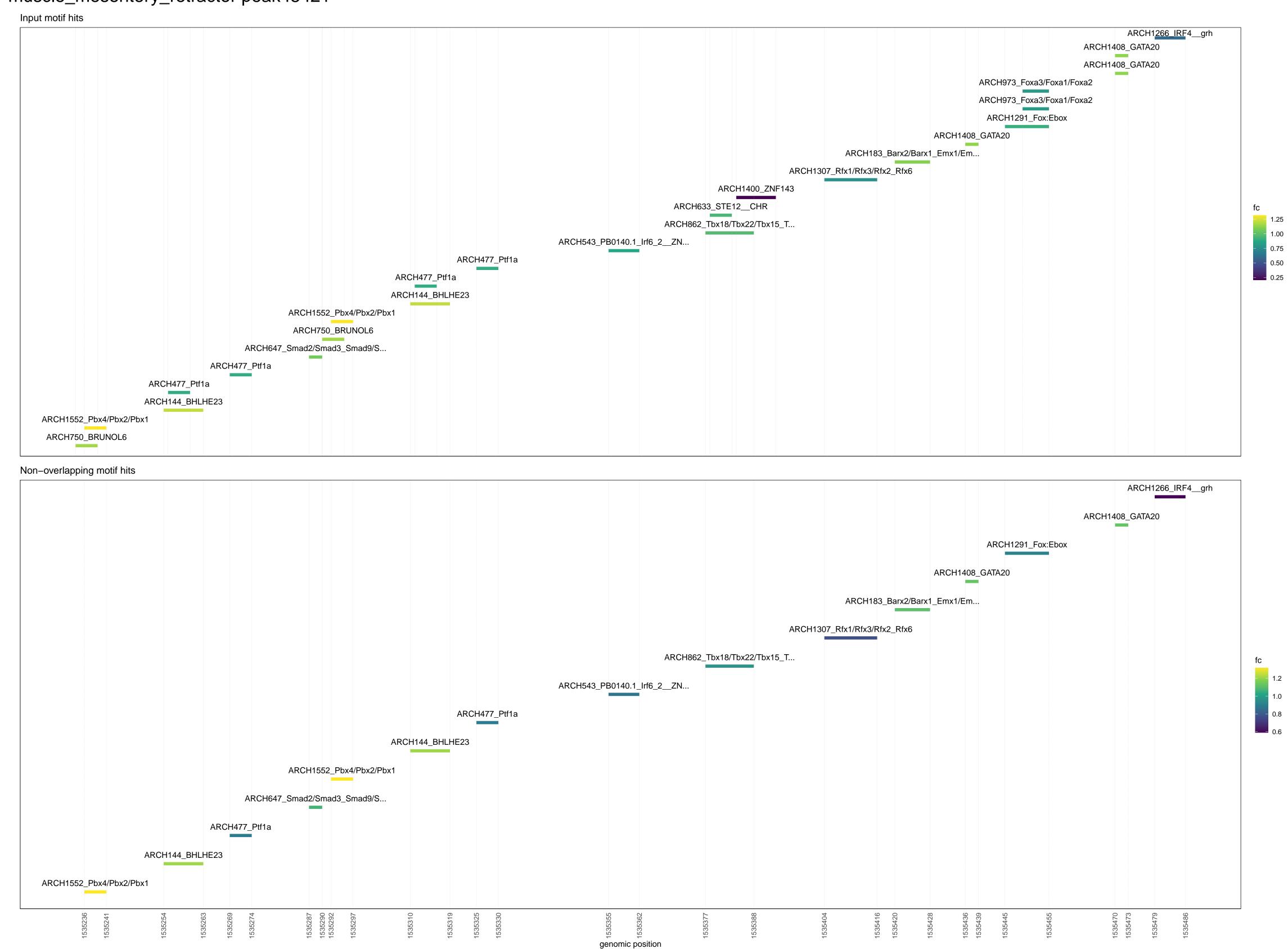
1.5



muscle_mesentery_retractor peak38443 Input motif hits ARCH483_Tbx3/Tbx2 ARCH1159_/Lef1/Tcf7l1/Tcf7 ARCH1552_Pbx4/Pbx2/Pbx1 ARCH483_Tbx3/Tbx2 ARCH1102_Foxa3/Foxa1/Foxa2_... ARCH1265_TFCP2__Tcfcp2l1__G... ARCH1627_Xbp1 ARCH1627_Xbp1 ARCH1617_Crem/Creb1/Atf1 ARCH1620_Atf3/Jdp2_Creb3l2/... ARCH1620_Atf3/Jdp2_Creb3l2/... ARCH647_Smad2/Smad3_Smad9/S... 2.0 ARCH1553_Meis3/Meis2/Meis1_... ARCH647_Smad2/Smad3_Smad9/S... ARCH1627_Xbp1 ARCH1544_Nkx2-2/Nkx2-9 ARCH438_Spdef ARCH321_Barx2/Barx1_Emx1/Em... ARCH103_Hnf1a/Hnf1b ARCH103_Hnf1a/Hnf1b ARCH1351_Gata3/Gata1/Gata2 ARCH1386_ANKHD1__PTBP1 ARCH1627_Xbp1 Non-overlapping motif hits ARCH1552_Pbx4/Pbx2/Pbx1 ARCH483_Tbx3/Tbx2 ARCH1102_Foxa3/Foxa1/Foxa2_... ARCH1265_TFCP2__Tcfcp2l1__G... ARCH1627_Xbp1 ARCH1617_Crem/Creb1/Atf1 ARCH647_Smad2/Smad3_Smad9/S... 2.0 1.5 ARCH1553_Meis3/Meis2/Meis1_... 1.0 ARCH1627_Xbp1 ARCH1544_Nkx2-2/Nkx2-9 ARCH438_Spdef ARCH321_Barx2/Barx1_Emx1/Em... ARCH1351_Gata3/Gata1/Gata2

3221136 3221149



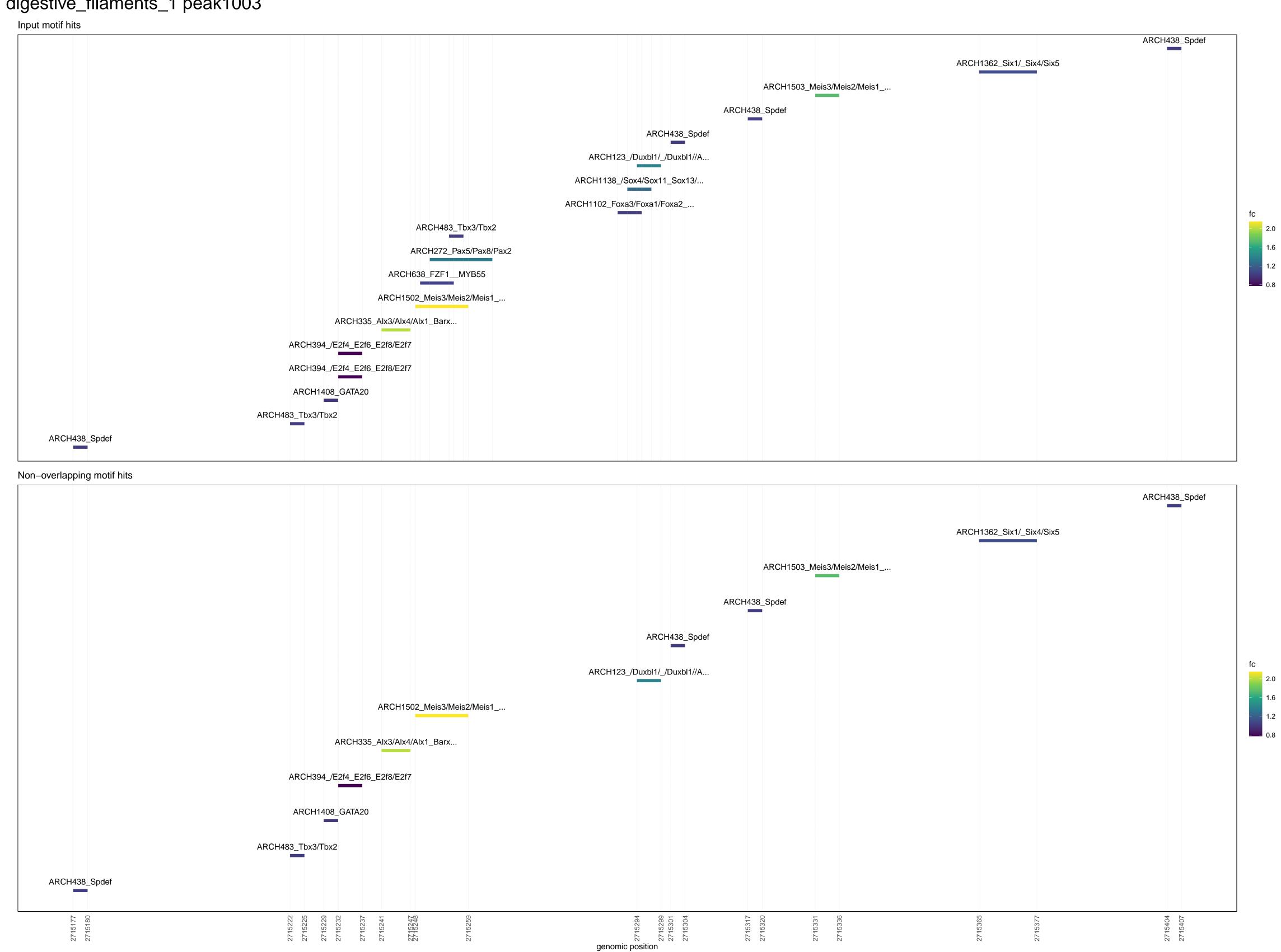


muscle_mesentery_retractor peak73811 Input motif hits ARCH647_Smad2/Smad3_Smad9/S... ARCH647_Smad2/Smad3_Smad9/S... ARCH438_Spdef ARCH438_Spdef ARCH647_Smad2/Smad3_Smad9/S... ARCH647_Smad2/Smad3_Smad9/S... ARCH93_AW822073//Duxf3/Duxb... ARCH93_AW822073//Duxf3/Duxb... ARCH483_Tbx3/Tbx2 ARCH483_Tbx3/Tbx2 1.3 1.2 1.1 1.0 0.9 0.8 0.7 ARCH504_Pax5/Pax8/Pax2 ARCH483_Tbx3/Tbx2 ARCH1408_GATA20 ARCH143_WRKY27 ARCH803_M09624_2.00__Pax8__... ARCH1647_WRKY71__WRKY55__WR... ARCH1376_TCP16 ARCH647_Smad2/Smad3_Smad9/S... ARCH1103_M09140_2.00__M0918... ARCH963_Foxc2/Foxc1_Foxd2/F... FoxQ2d Non-overlapping motif hits ARCH647_Smad2/Smad3_Smad9/S... ARCH438_Spdef ARCH93_AW822073//Duxf3/Duxb... ARCH483_Tbx3/Tbx2 ARCH504_Pax5/Pax8/Pax2 ARCH483_Tbx3/Tbx2 ARCH1408_GATA20 ARCH803_M09624_2.00__Pax8__... ARCH1376_TCP16 ARCH647_Smad2/Smad3_Smad9/S... ARCH963_Foxc2/Foxc1_Foxd2/F... 14058106 14858119

1.2

- 1.1

digestive_filaments_1 peak1003

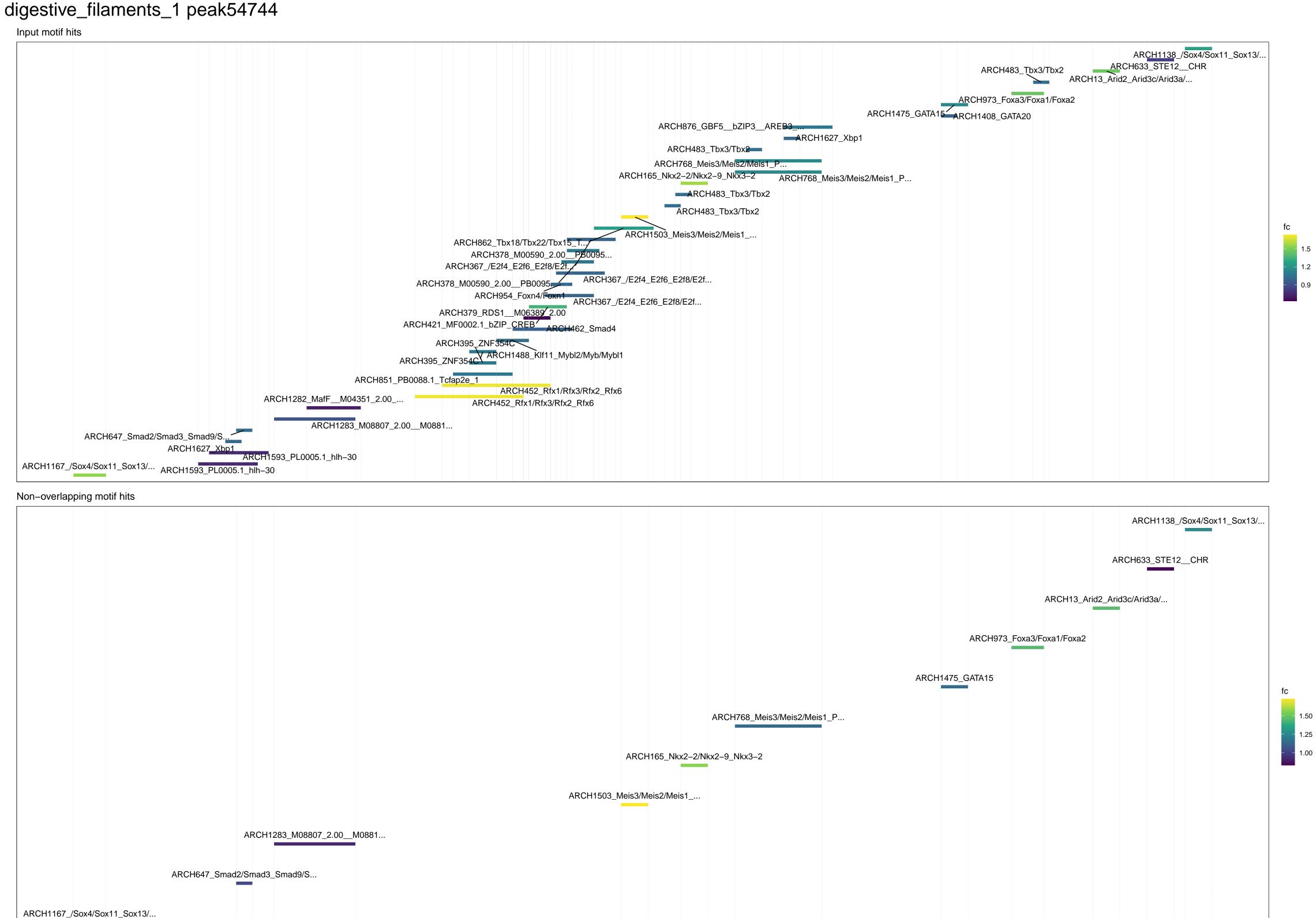


digestive_filaments_1 peak7571 Input motif hits ARCH487_Meis3/Meis2/Meis1_P... ARCH477_Ptf1a ARCH477_Ptf1a ARCH745_Tfap4 ARCH745_Tfap4 ARCH374_M03912_2.00__ZC3H10 ARCH954_Foxn4/Foxn1 ARCH438_Spdef ARCH539_PL0004.1_hlh-27 ARCH1138_/Sox4/Sox11_Sox13/... ARCH633_STE12__CHR ARCH294_Emx1/Emx2_Hmx1/Hmx3... ARCH294_Emx1/Emx2_Hmx1/Hmx3... ARCH439_M09530_2.00__M04749... ARCH438_Spdef 1.5 ARCH438_Spdef ARCH693_TEA1__SUT2 ARCH699_TEAD4 ARCH700_TEAD3__TEAD1 ARCH954_Foxn4/Foxn1 ARCH426_Egr3/Egr1 ARCH693_TEA1__SUT2 ARCH1595_Nr2c1/Nr2c2_Nr2f1/... ARCH1556_Hnf4g/Hnf4a_Nr2c1/... ARCH1716_M02394_2.00 ARCH438_Spdef ARCH483_Tbx3/Tbx2 ARCH1118_PL0012.1_hlh-2::hlh-8 ARCH1408_GATA20 ARCH1475_GATA15 Non-overlapping motif hits ARCH745_Tfap4 ARCH438_Spdef ARCH294_Emx1/Emx2_Hmx1/Hmx3... ARCH439_M09530_2.00__M04749... ARCH438_Spdef ARCH699_TEAD4 1.5 ARCH954_Foxn4/Foxn1 1.2 ARCH693_TEA1__SUT2 ARCH1716_M02394_2.00 ARCH438_Spdef ARCH1118_PL0012.1_hlh-2::hlh-8 ARCH1475_GATA15

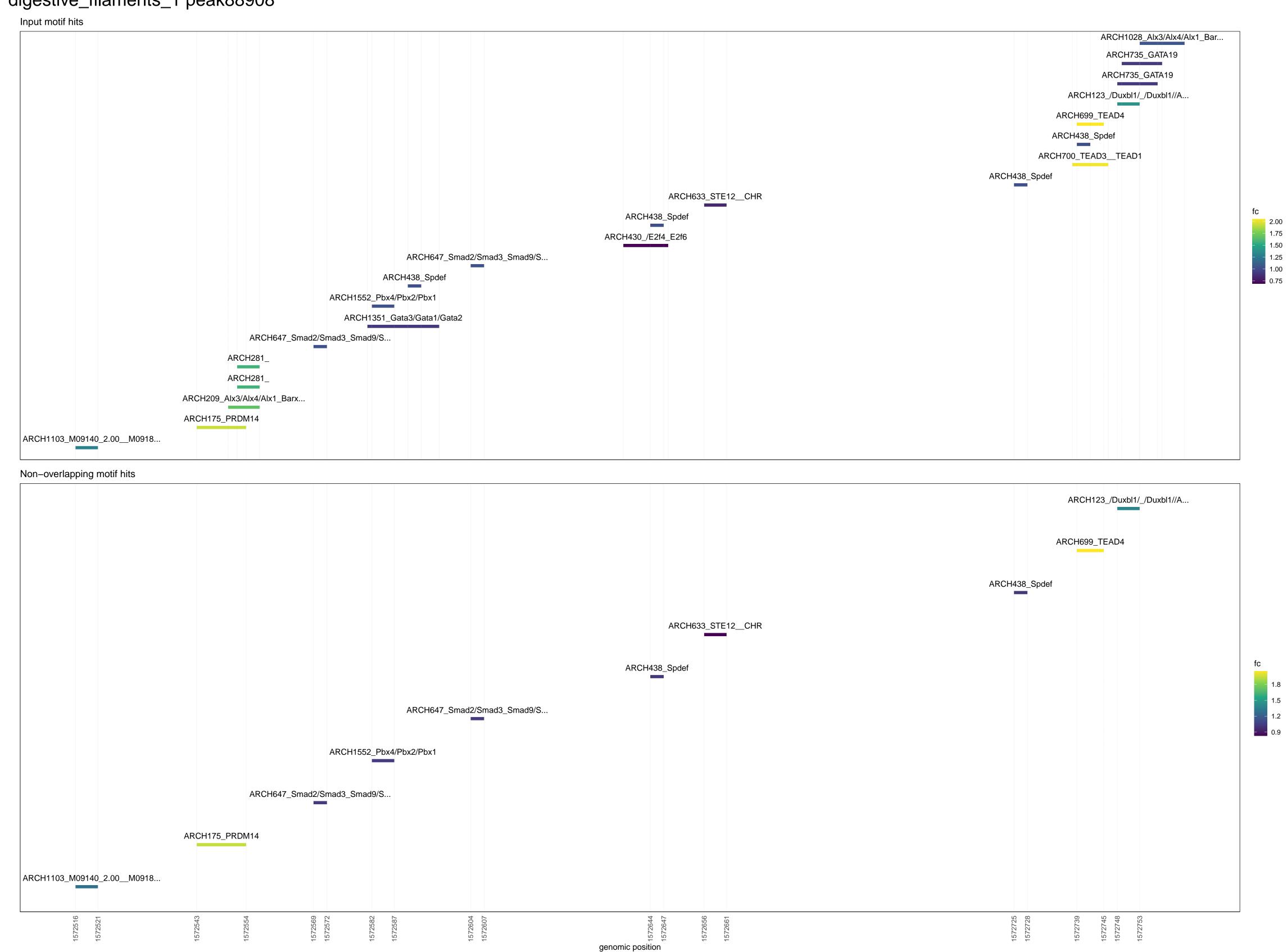
digestive_filaments_1 peak110372 Input motif hits ARCH496_Zic3 ARCH483_Tbx3/Tbx2 ARCH438_Spdef ARCH1103_M09140_2.00__M0918... ARCH1170_/Sox4/Sox11_Sox13/... ARCH866_ZNF317 ARCH438_Spdef ARCH183_Barx2/Barx1_Emx1/Em... ARCH1138_/Sox4/Sox11_Sox13/... ARCH438_Spdef ARCH483_Tbx3/Tbx2 2.5 ARCH248_Hoxa10/Hoxb9/Hoxc11... 2.0 ARCH56_POU4F1 ARCH56_POU4F1 ARCH1552_Pbx4/Pbx2/Pbx1 ARCH1361_Six3/Six6 ARCH1361_Six3/Six6 ARCH1276_Gata3/Gata1/Gata2 ARCH702_Zic1::Zic2 ARCH1102_Foxa3/Foxa1/Foxa2_... ARCH438_Spdef ARCH438_Spdef ARCH543_PB0140.1_lrf6_2__ZN... Non-overlapping motif hits ARCH483_Tbx3/Tbx2 ARCH438_Spdef ARCH1103_M09140_2.00__M0918... ARCH1170_/Sox4/Sox11_Sox13/... ARCH866_ZNF317 ARCH438_Spdef ARCH183_Barx2/Barx1_Emx1/Em... ARCH483_Tbx3/Tbx2 2.0 - 1.5 ARCH248_Hoxa10/Hoxb9/Hoxc11... ARCH1552_Pbx4/Pbx2/Pbx1 ARCH1276_Gata3/Gata1/Gata2 ARCH702_Zic1::Zic2 ARCH438_Spdef ARCH438_Spdef

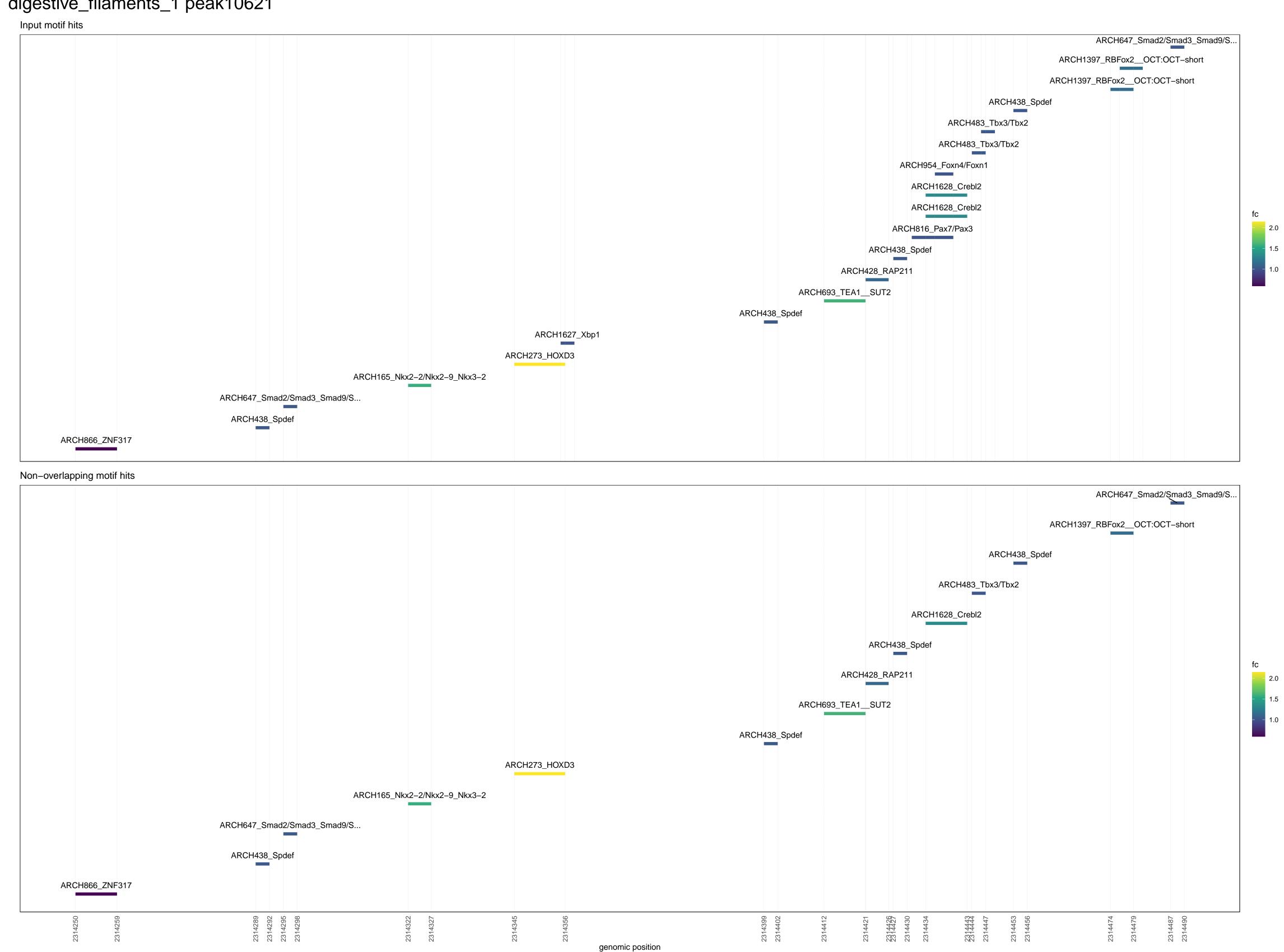
ARCH543_PB0140.1_Irf6_2__ZN...

digestive_filaments_1 peak13362 Input motif hits ARCH702_Zic1::Zic2 ARCH973_Foxa3/Foxa1/Foxa2 ARCH1103_M09140_2.00__M0918... ARCH144_BHLHE23 ARCH144_BHLHE23 ARCH1048_M07266_2.00__CRC ARCH307_Isl1/Isl2_Noto 1.50 1.25 1.00 0.75 ARCH165_Nkx2-2/Nkx2-9_Nkx3-2 ARCH1138_/Sox4/Sox11_Sox13/... ARCH175_PRDM14 ARCH462_Smad4 ARCH693_TEA1__SUT2 ARCH646_Msantd4/Mypop_Terf2ip Non-overlapping motif hits ARCH702_Zic1::Zic2 ARCH973_Foxa3/Foxa1/Foxa2 ARCH1103_M09140_2.00__M0918... ARCH1048_M07266_2.00__CRC 1.75 1.50 ARCH165_Nkx2-2/Nkx2-9_Nkx3-2 1.25 ARCH1138_/Sox4/Sox11_Sox13/... ARCH175_PRDM14 ARCH693_TEA1__SUT2



digestive_filaments_1 peak9211 Input motif hits ARCH1552_Pbx4/Pbx2/Pbx1 ARCH335_Alx3/Alx4/Alx1_Barx... ARCH1442_Dmbx1_Gsc2/Gsc//Ob... ARCH637_Six1/_Six3/Six6_Six... ARCH1655_Nr2c1/Nr2c2_Nr2f1/... ARCH1654_Nr2c1/Nr2c2_Nr2f1/... ARCH438_Spdef ARCH1356_PB0158.1_Rfx3_2__Z... ARCH1391_MYB113 ARCH452_Rfx1/Rfx3/Rfx2_Rfx6 ARCH1040_PB0066.1_Sox17_1 ARCH1266_IRF4__grh ARCH56_POU4F1 ARCH146_Alx3/Alx4/Alx1_Barx... Non-overlapping motif hits ARCH1552_Pbx4/Pbx2/Pbx1 ARCH335_Alx3/Alx4/Alx1_Barx... ARCH1442_Dmbx1_Gsc2/Gsc//Ob... ARCH637_Six1/_Six3/Six6_Six... ARCH1654_Nr2c1/Nr2c2_Nr2f1/... 2.0 1.5 ARCH438_Spdef 1.0 ARCH452_Rfx1/Rfx3/Rfx2_Rfx6 ARCH1040_PB0066.1_Sox17_1 ARCH1266_IRF4__grh ARCH56_POU4F1



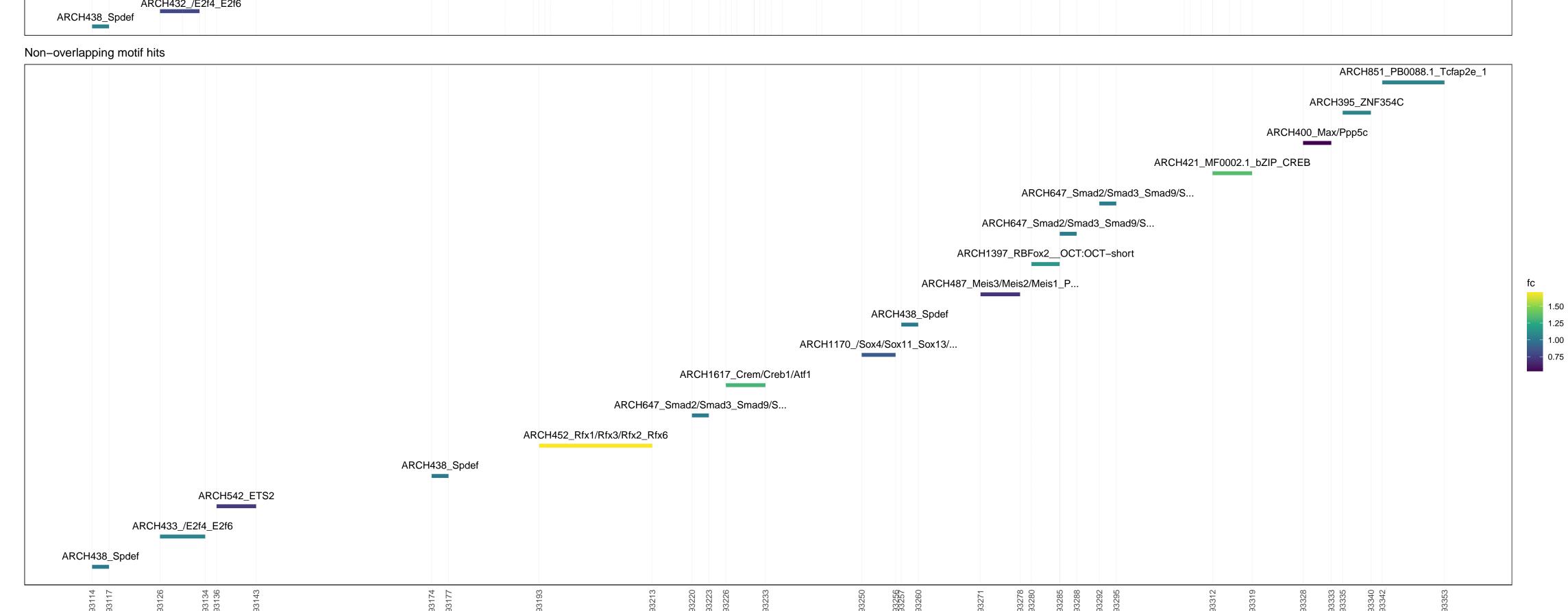


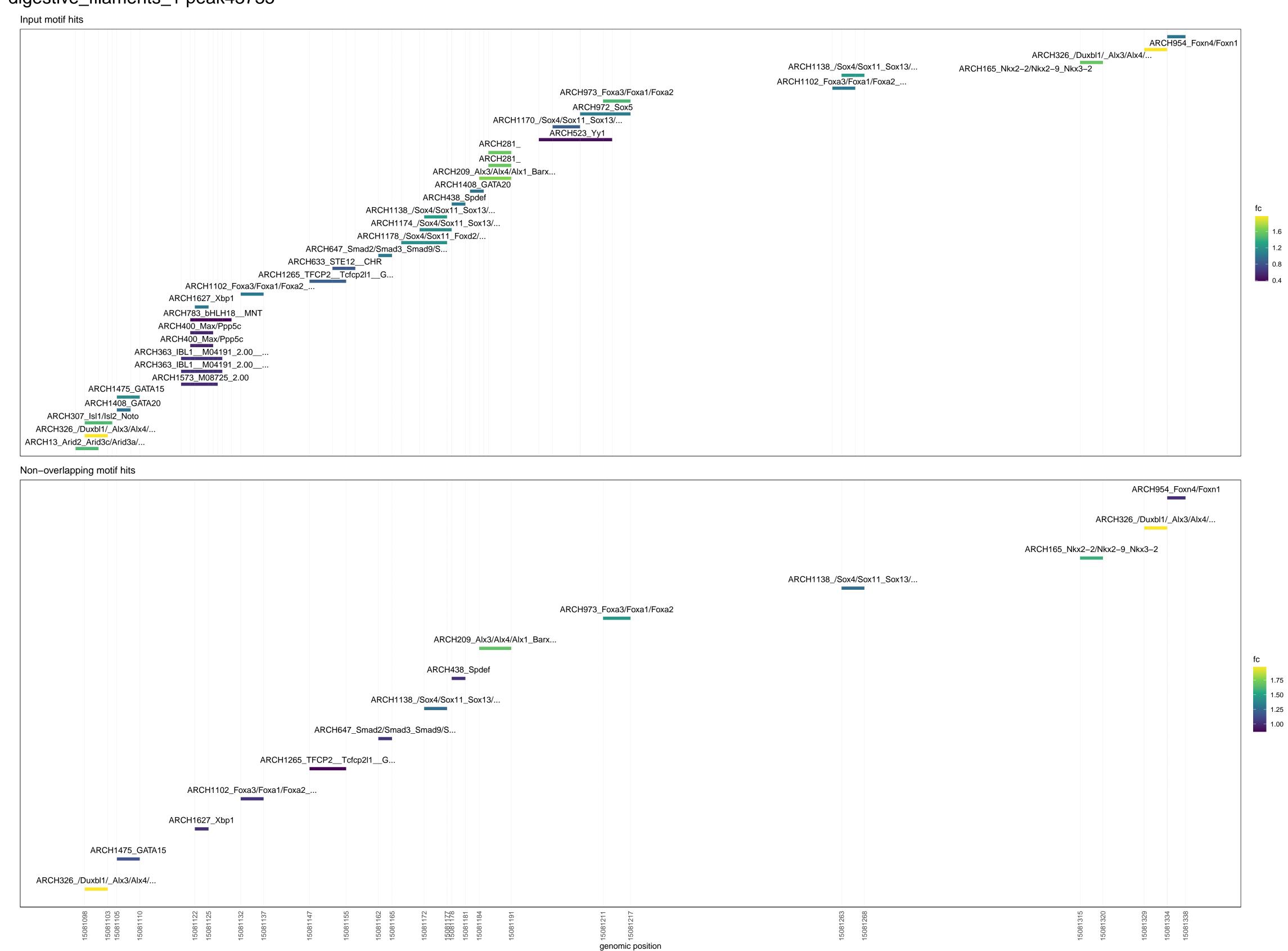
digestive_filaments_1 peak82315 Input motif hits ARCH395_ZNF354C ARCH851_PB0088.1_Tcfap2e_1 ARCH400_Max/Ppp5c ARCH421_MF0002.1_bZIP_CREB ARCH428_RAP211 ARCH1259_RRTF1__ERF4__RAP26... ARCH394_/E2f4_E2f6_E2f8/E2f7 ARCH394_/E2f4_E2f6_E2f8/E2f7 ARCH647_Smad2/Smad3_Smad9/S... ARCH647_Smad2/Smad3_Smad9/S... ARCH1397_RBFox2__OCT:OCT-short ARCH487_Meis3/Meis2/Meis1_P... ARCH438_Spdef ARCH1170_/Sox4/Sox11_Sox13/... ARCH1244_ARALYDRAFT_484486 ARCH851_PB0088.1_Tcfap2e_1 ARCH1627_Xbp1 ARCH816_Pax7/Pax3 ARCH1617_Crem/Creb1/Atf1 ARCH1593_PL0005.1_hlh-30 ARCH1620_Atf3/Jdp2_Creb3l2/... ARCH1620_Atf3/Jdp2_Creb3l2/... ARCH702_Zic1::Zic2 ARCH647_Smad2/Smad3_Smad9/S... ARCH439_M09530_2.00__M04749... ARCH1627_Xbp1 ARCH452_Rfx1/Rfx3/Rfx2_Rfx6 ARCH1266_IRF4__grh ARCH438_Spdef ARCH542_ETS2 ARCH438_Spdef ARCH433_/E2f4_E2f6 ARCH432_/E2f4_E2f6

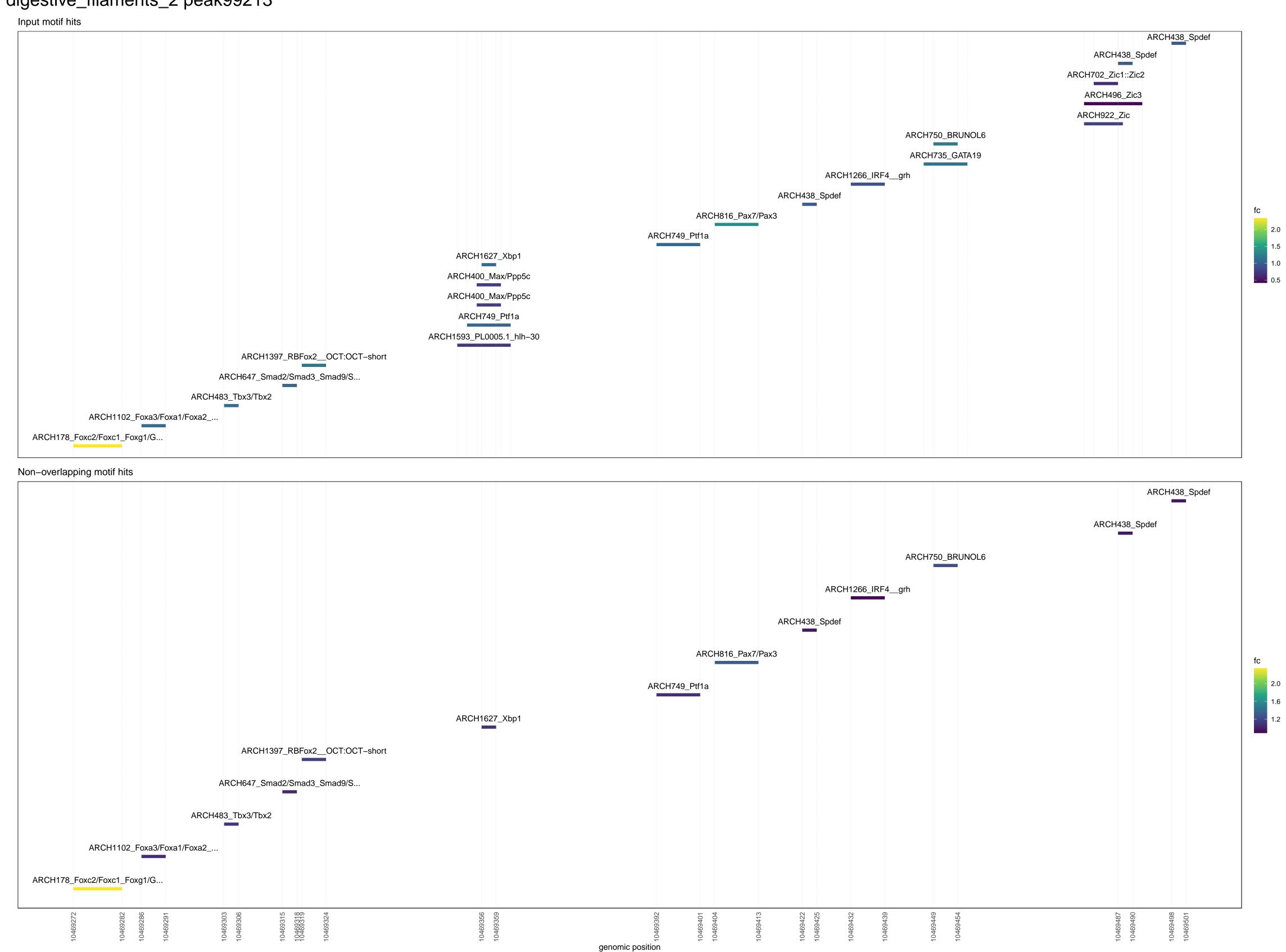
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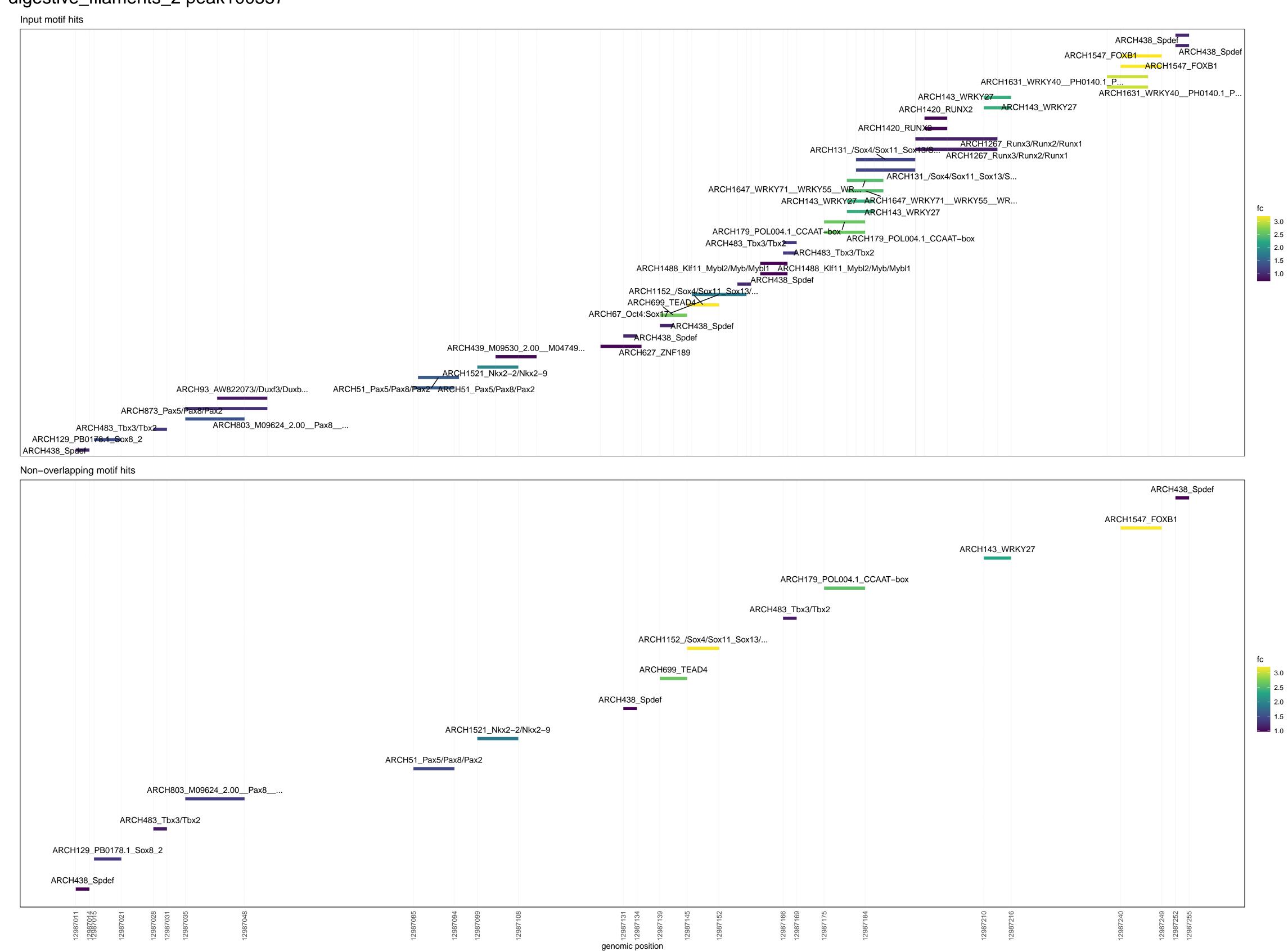
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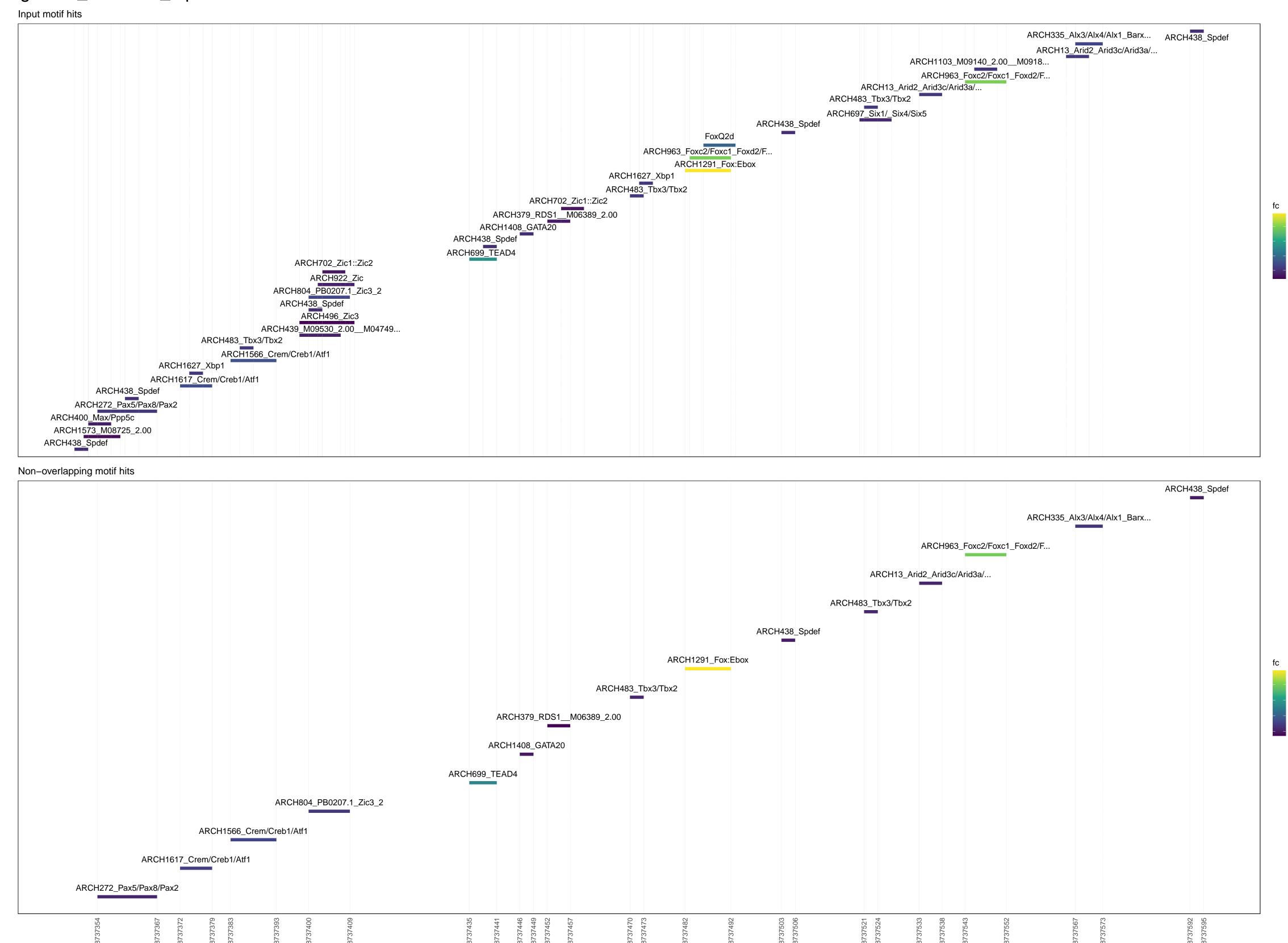
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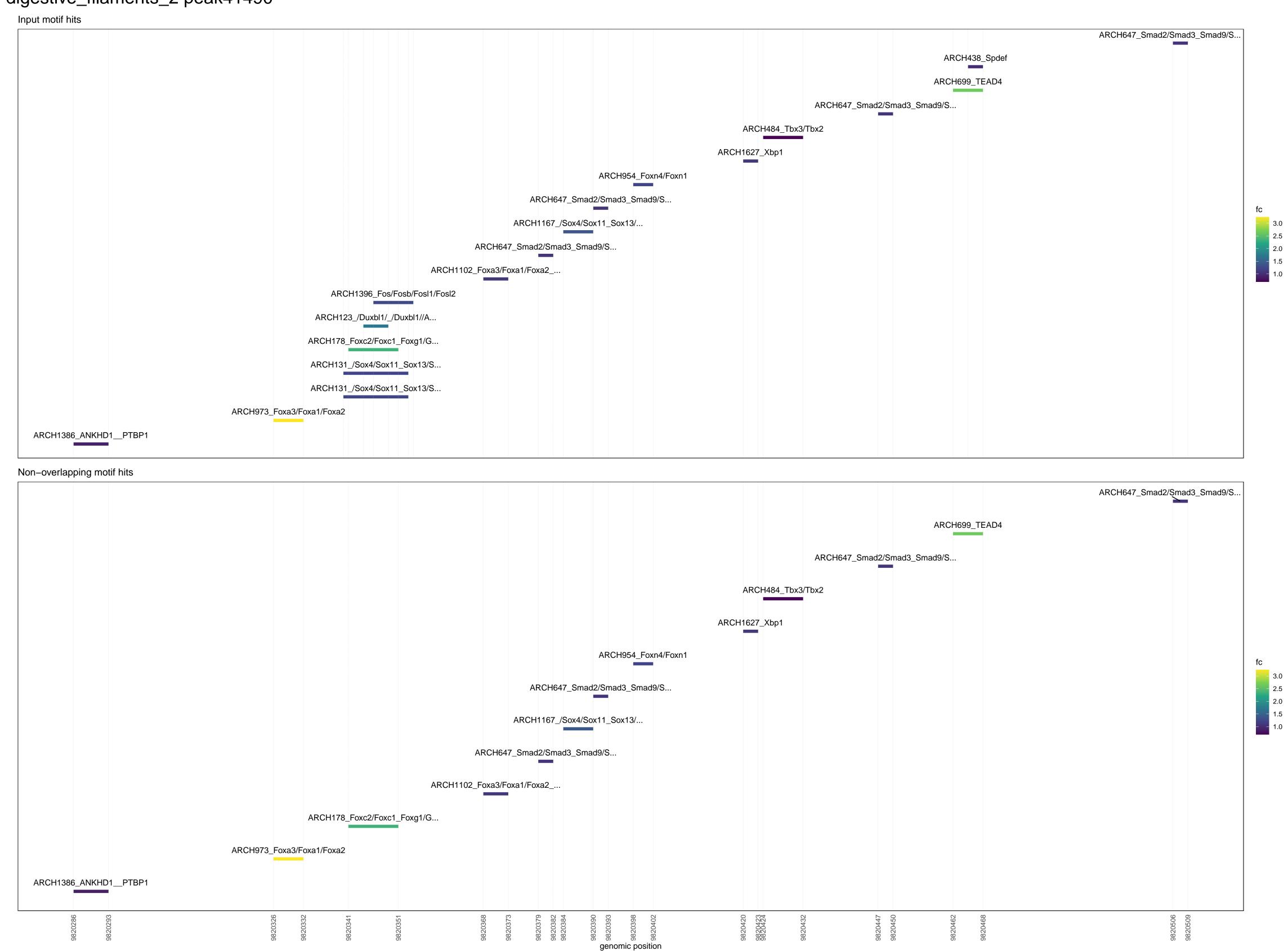


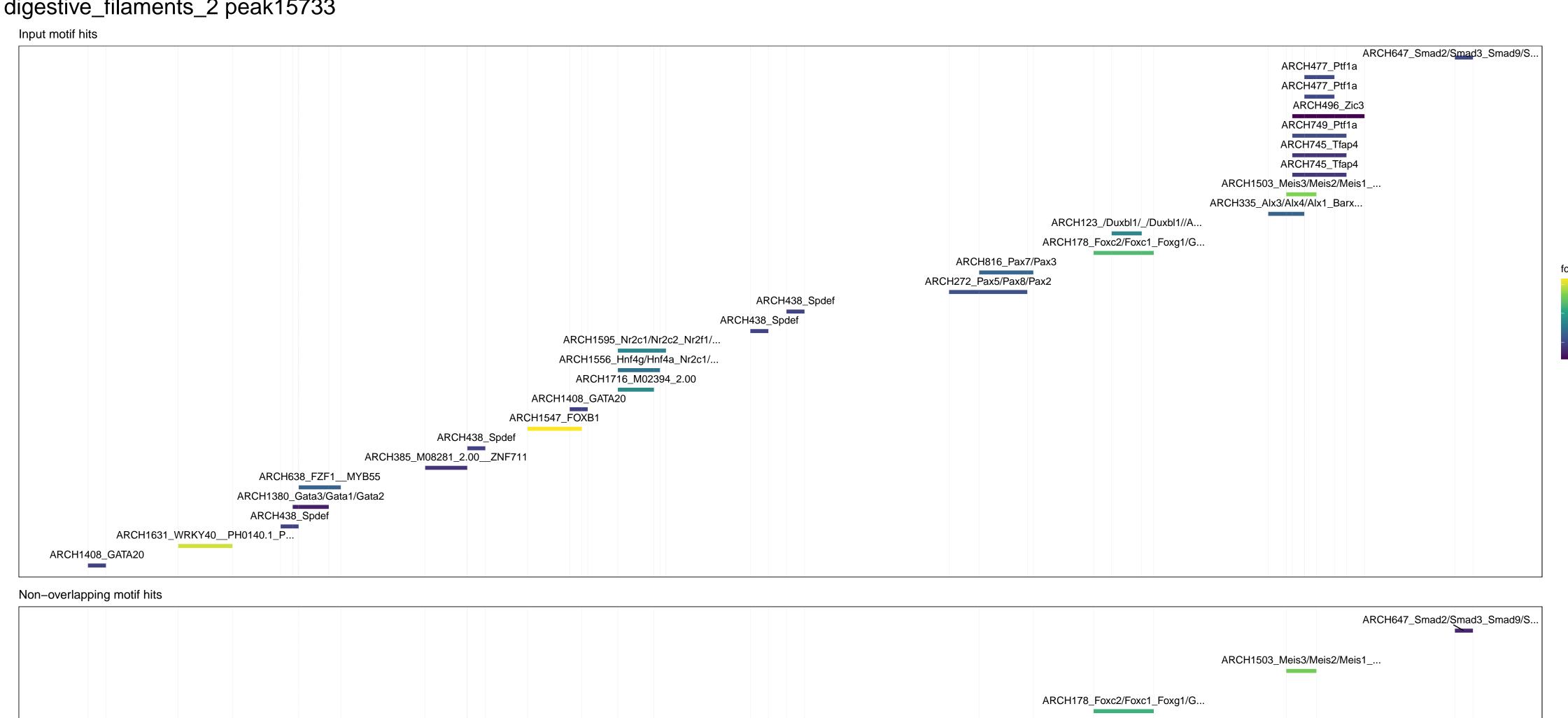


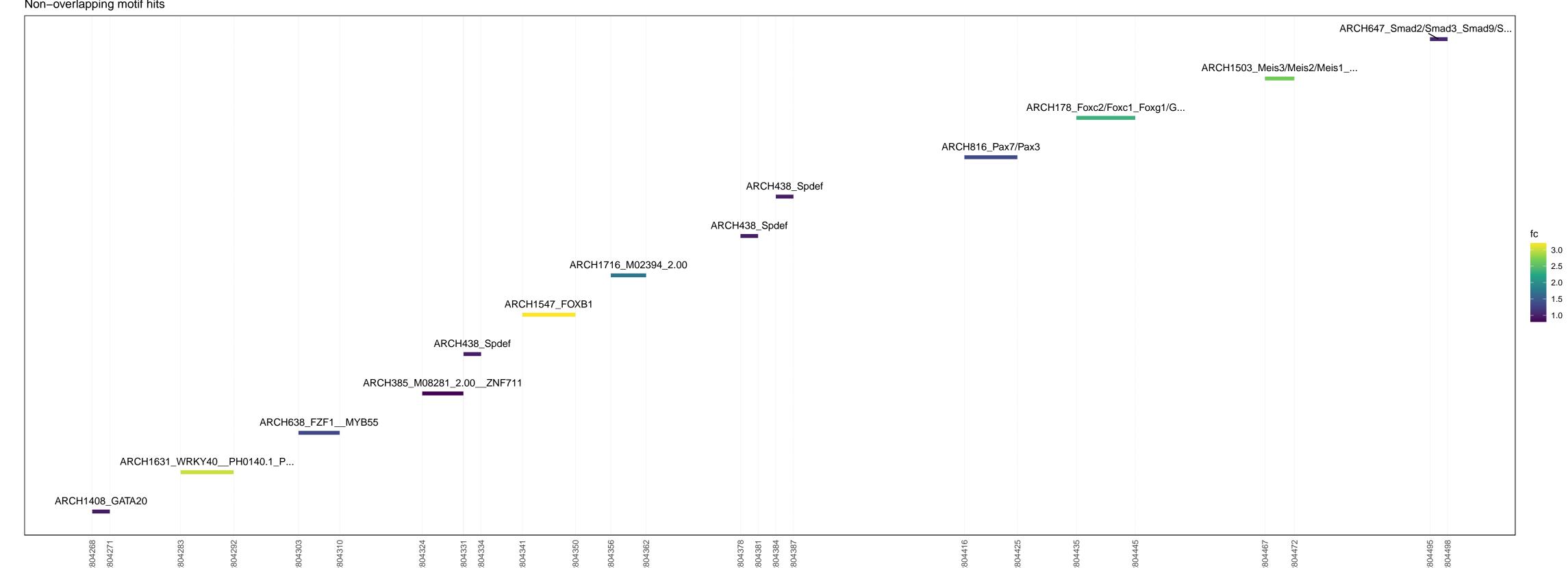


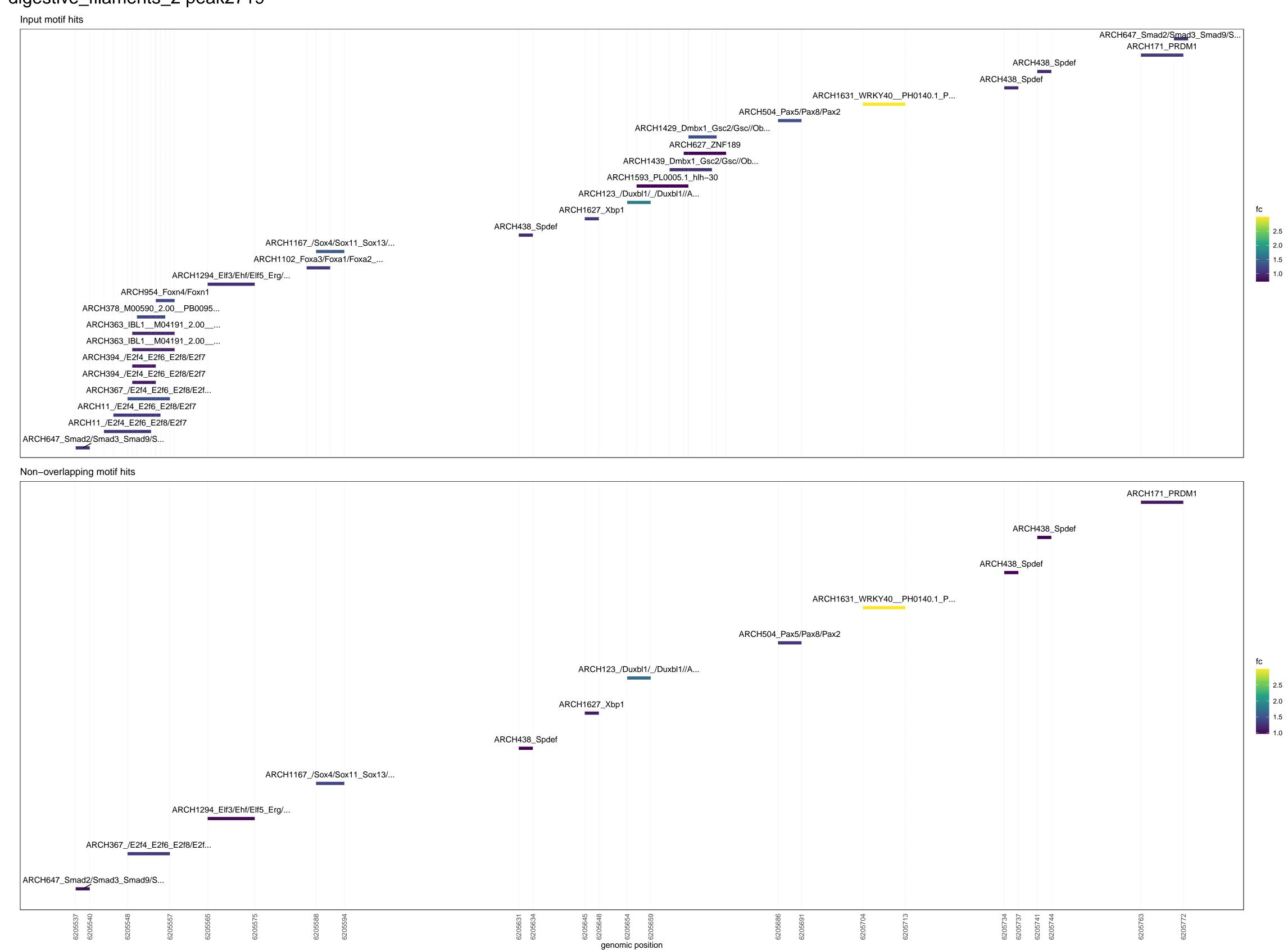


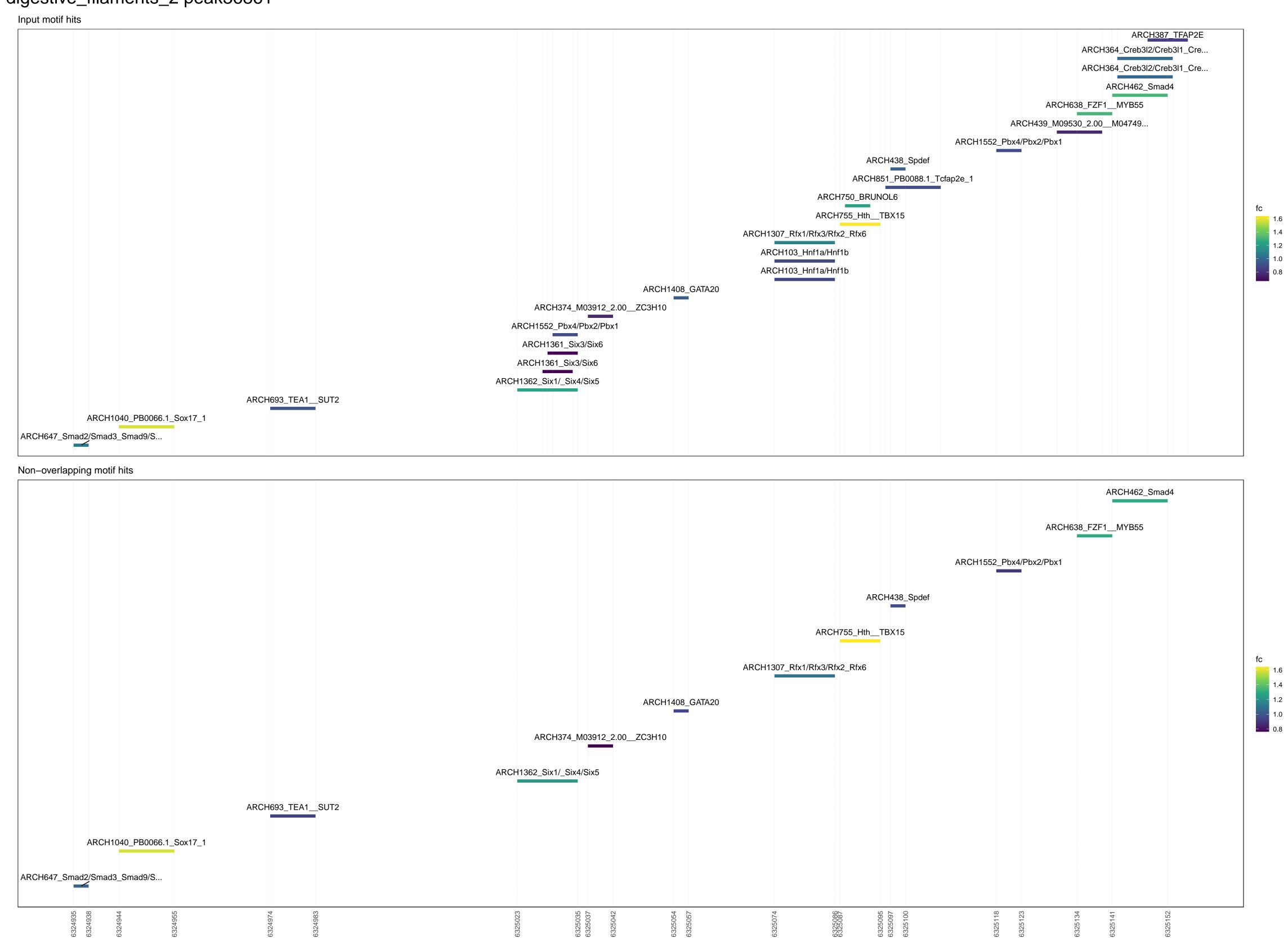


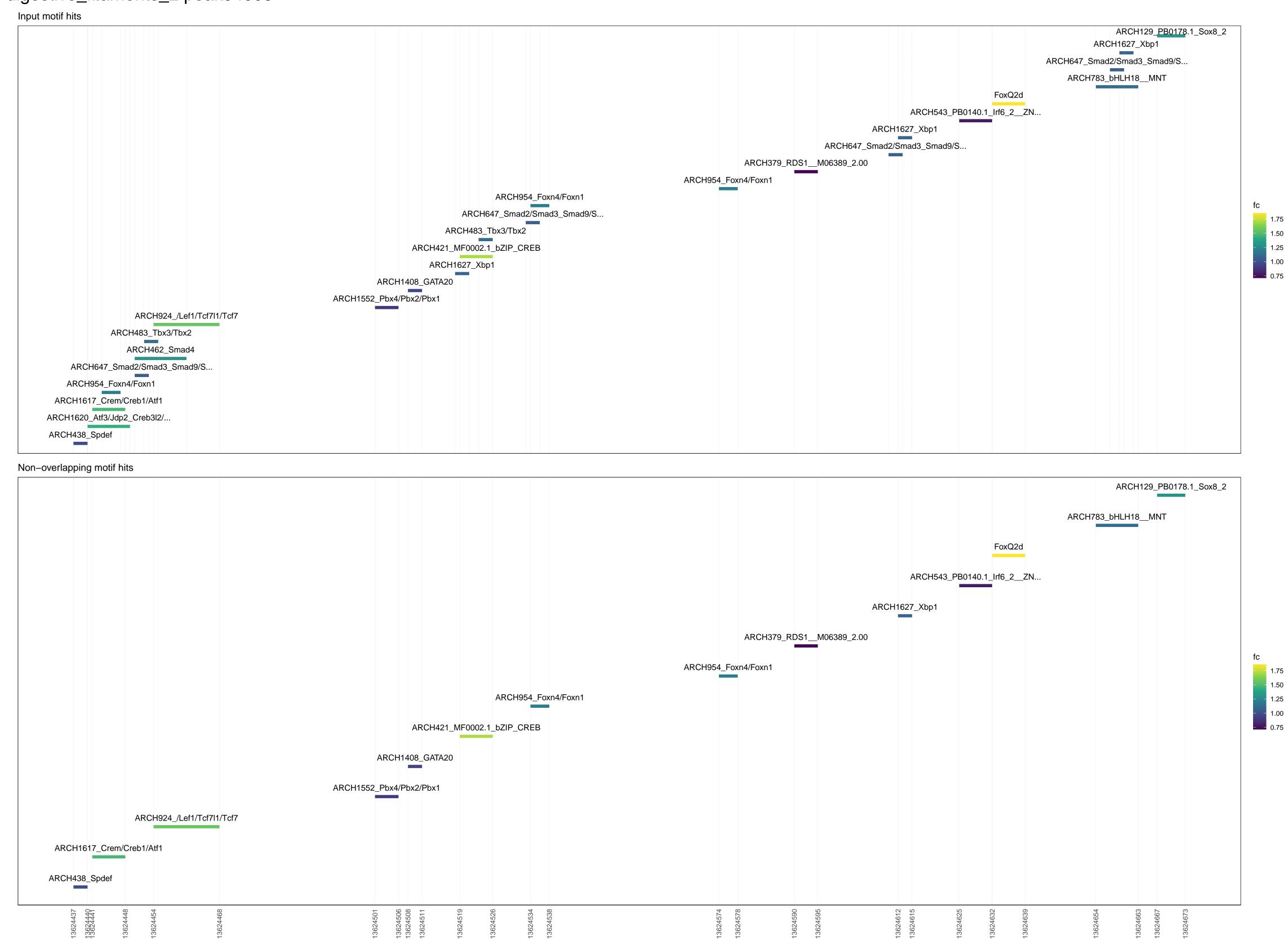


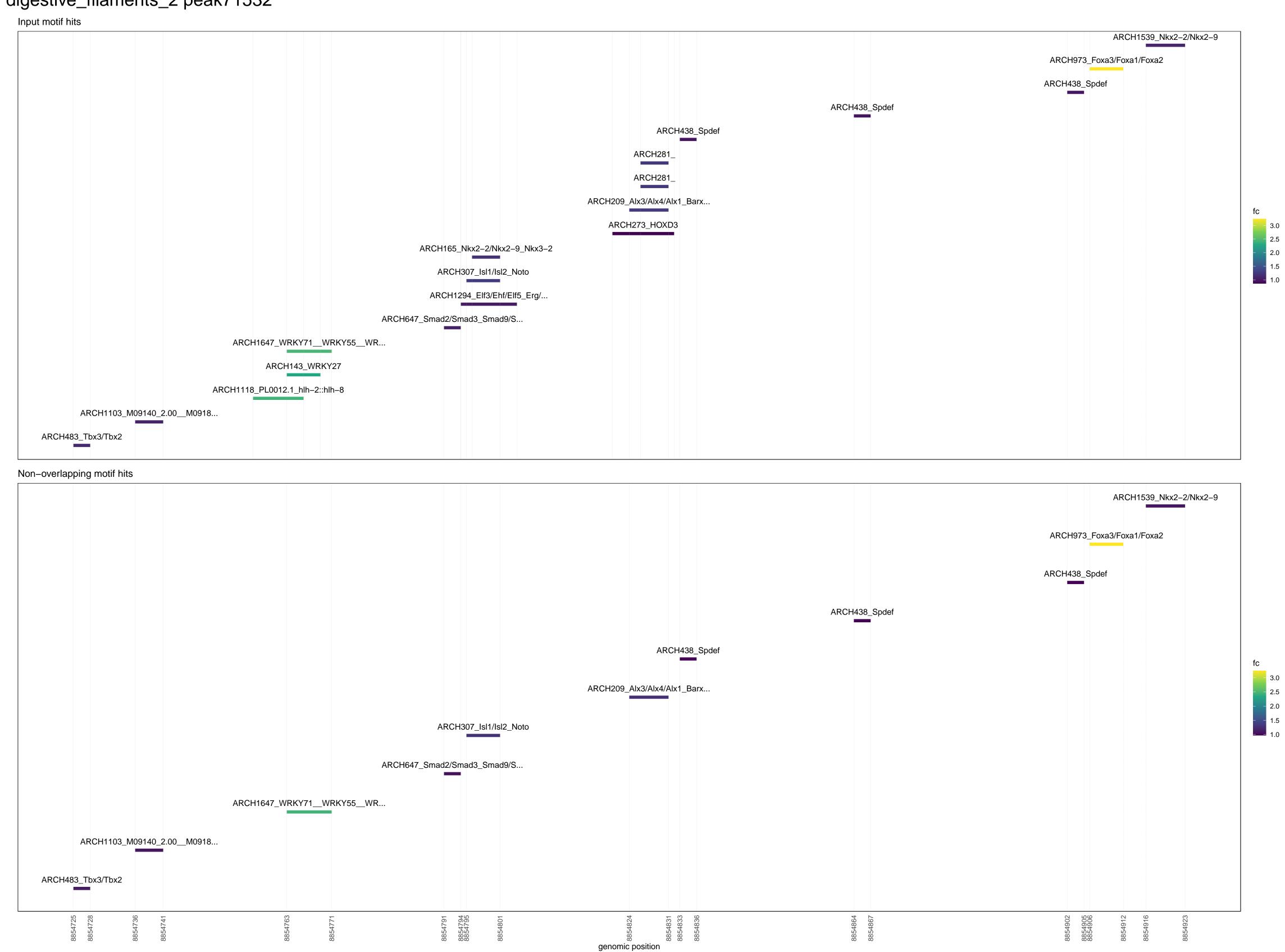


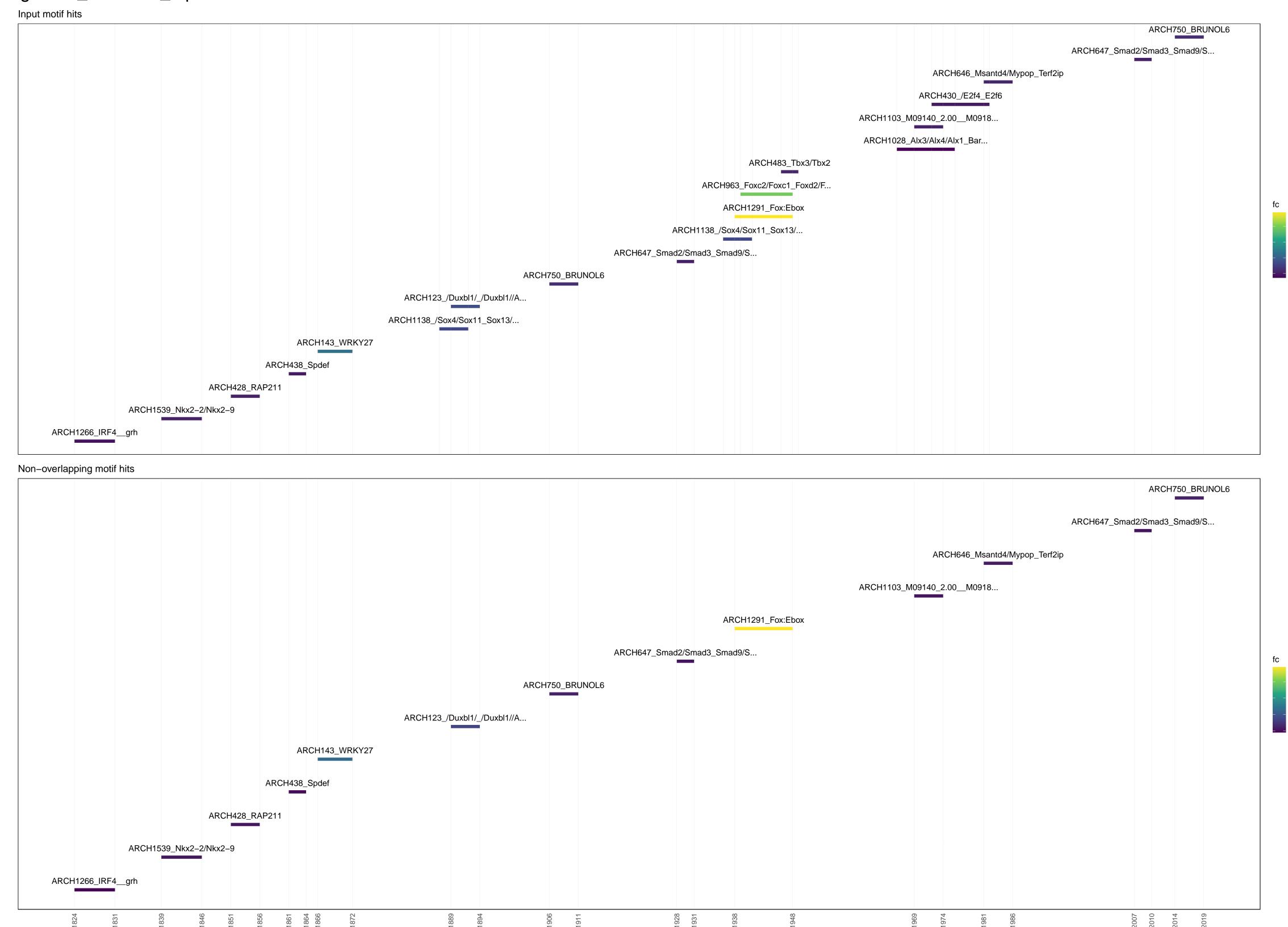


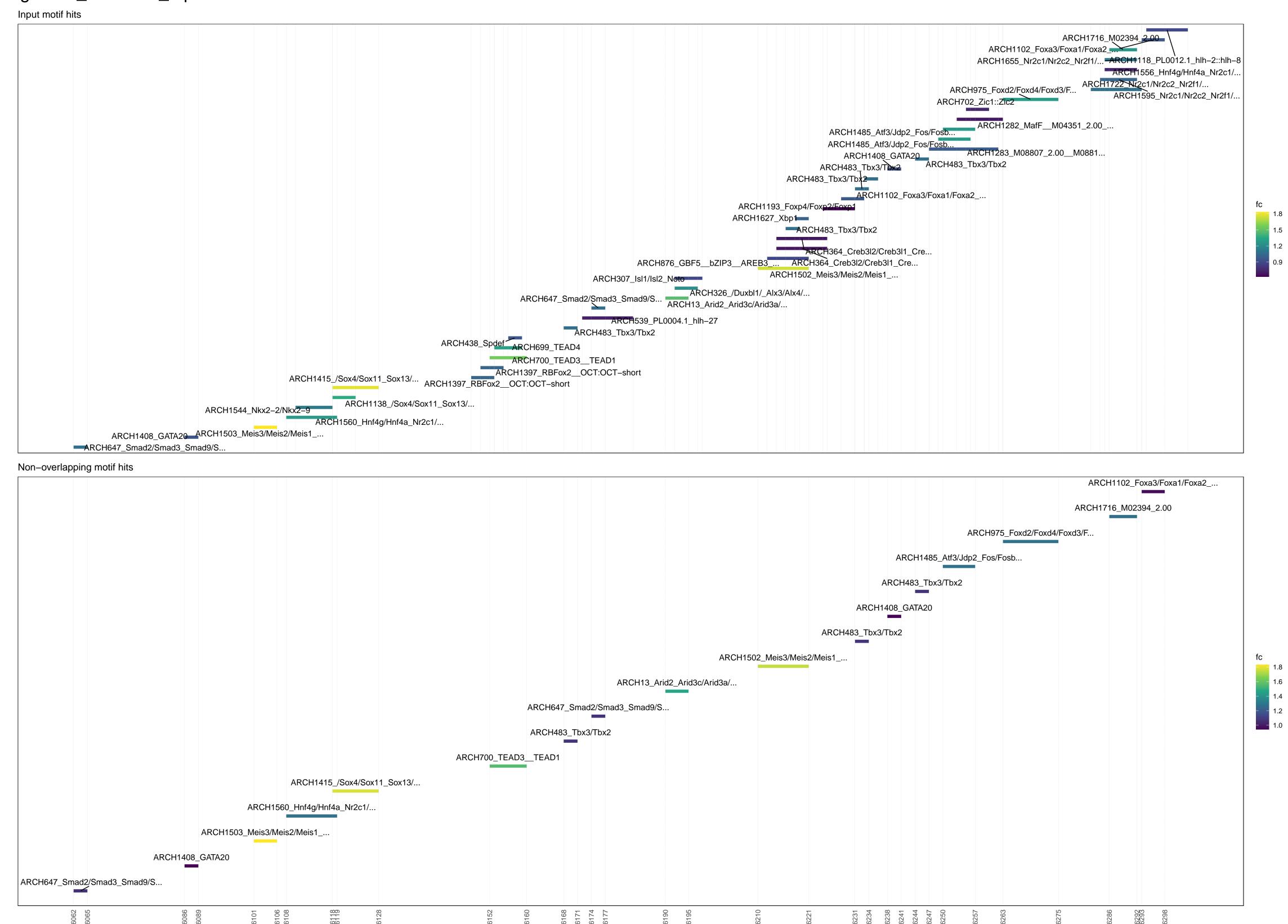




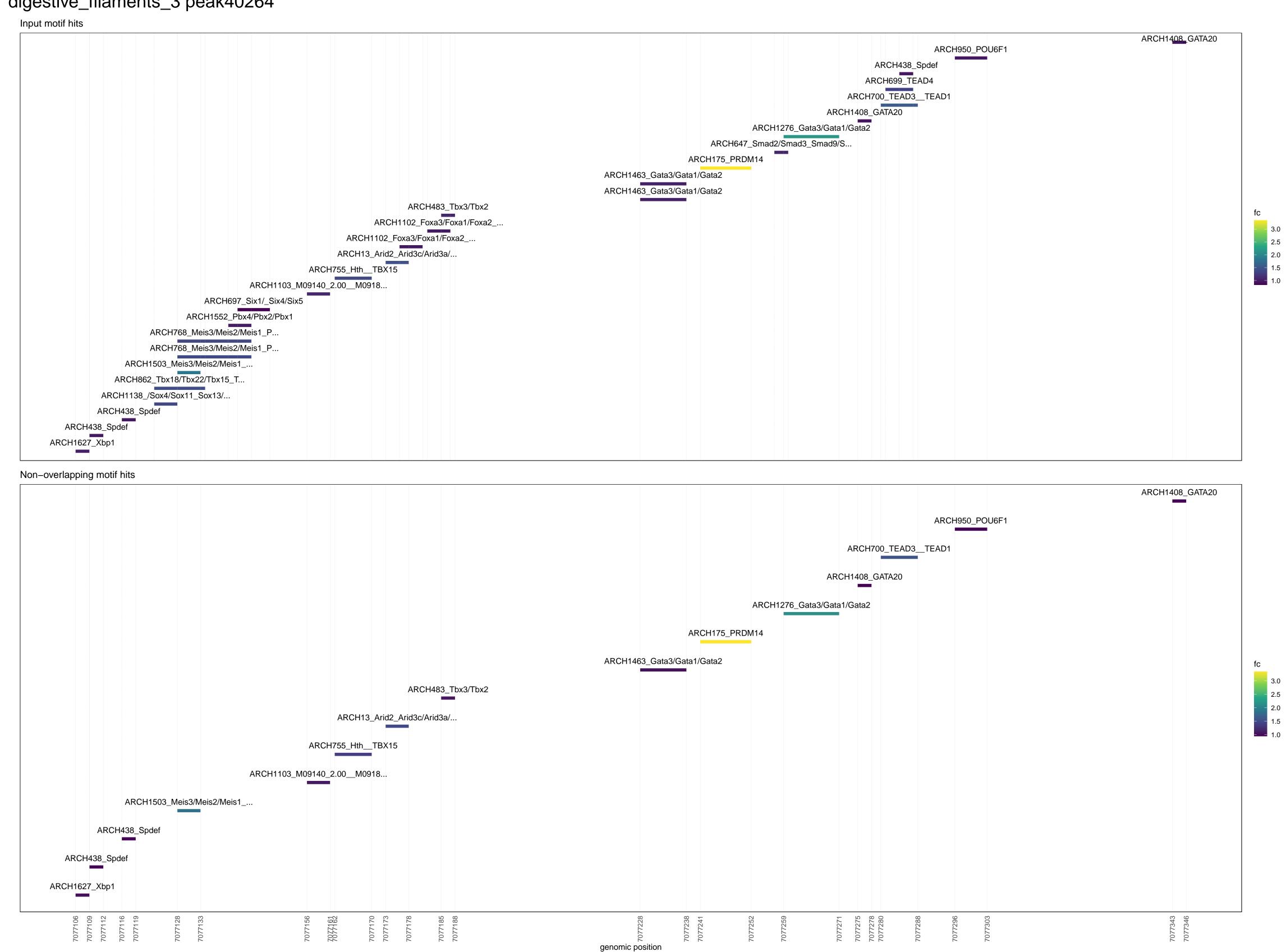


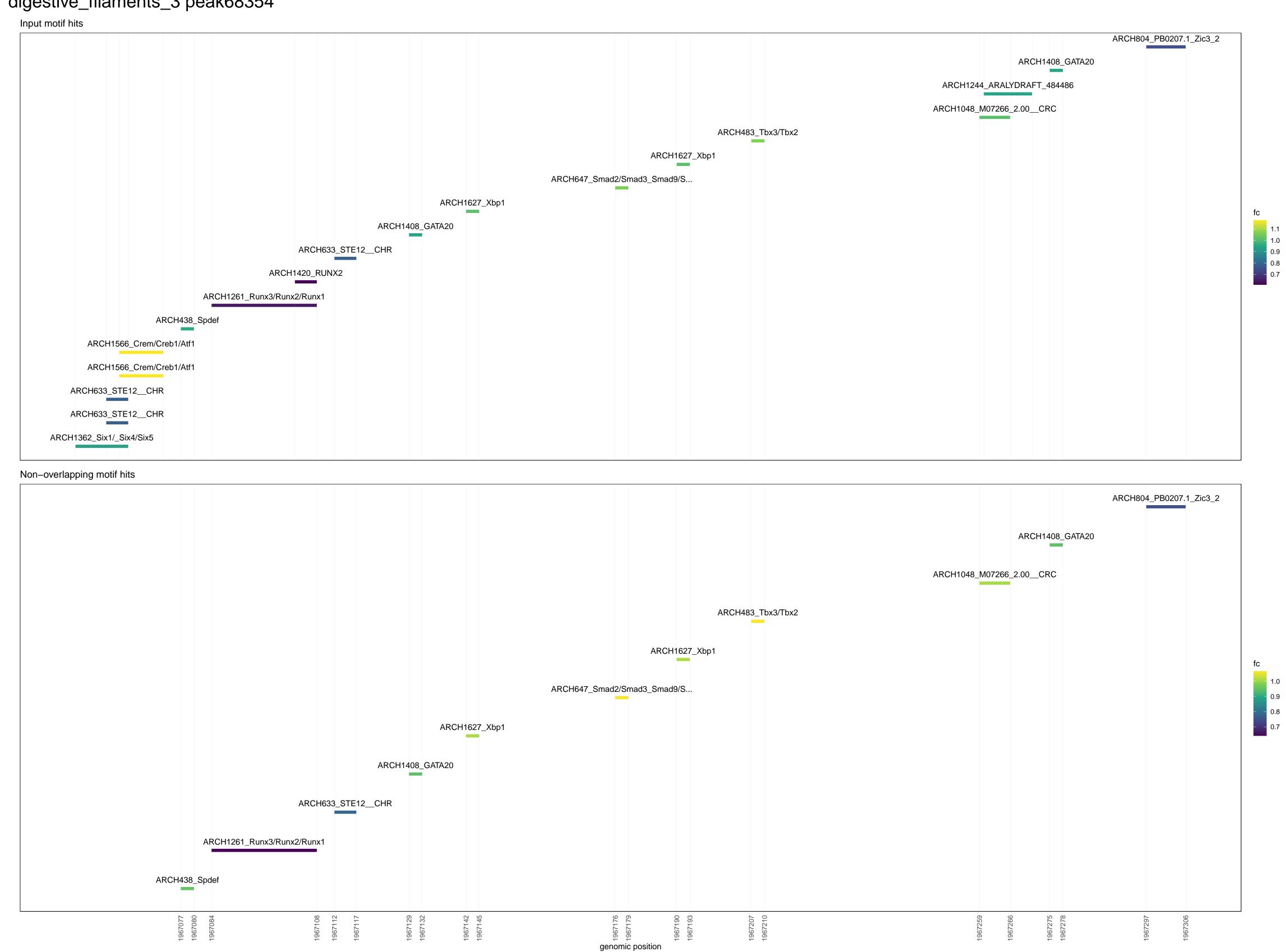


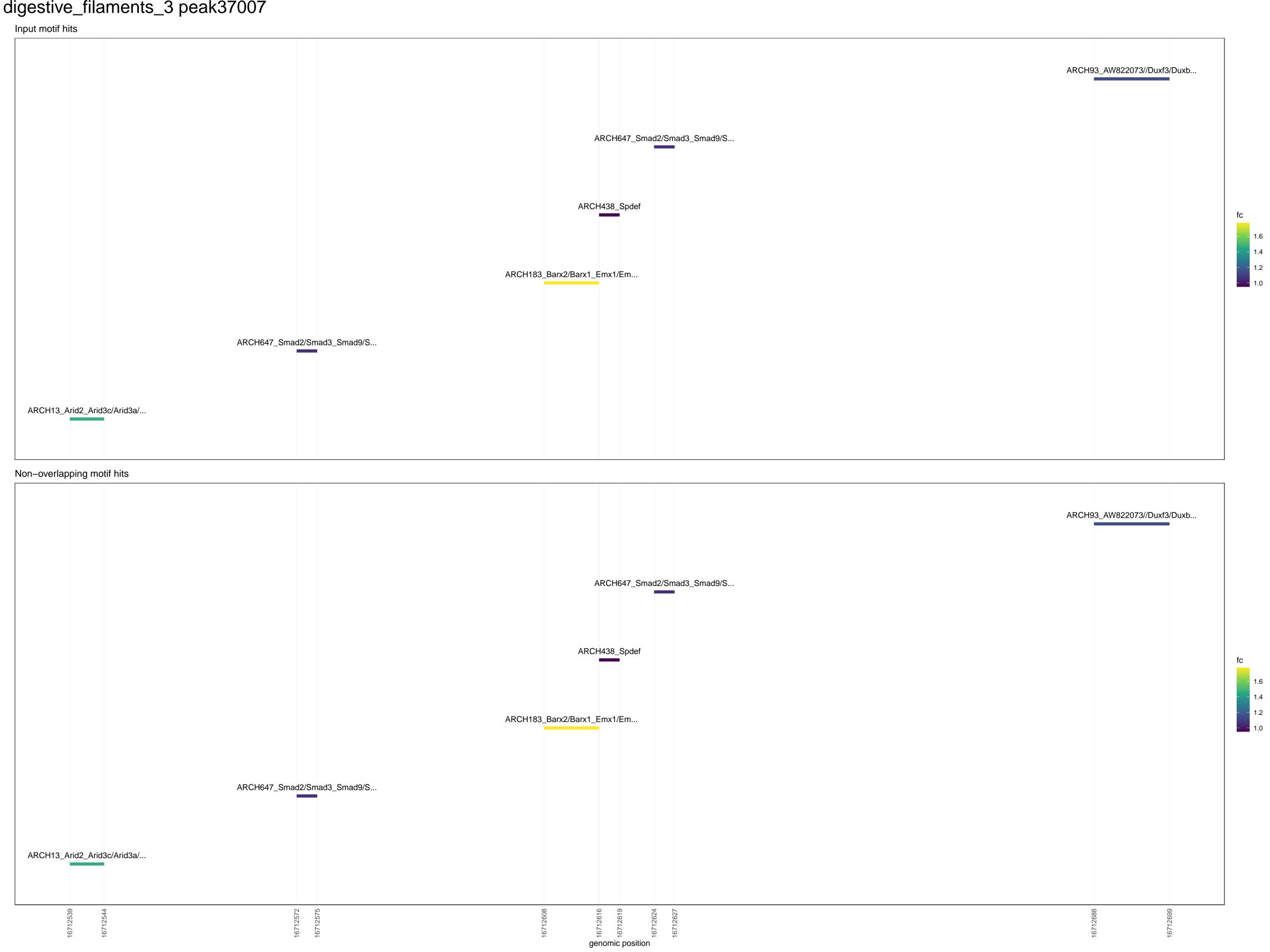


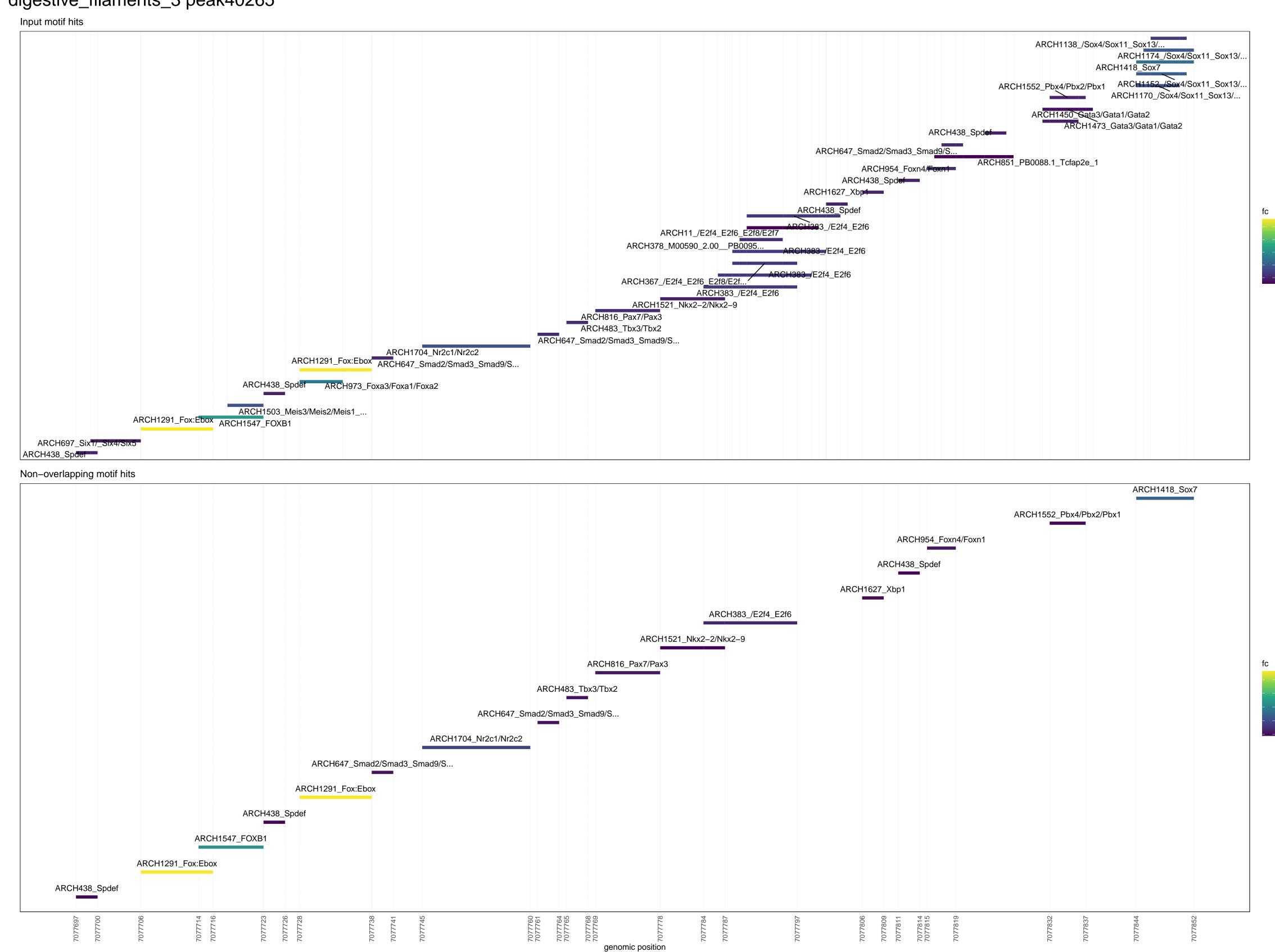


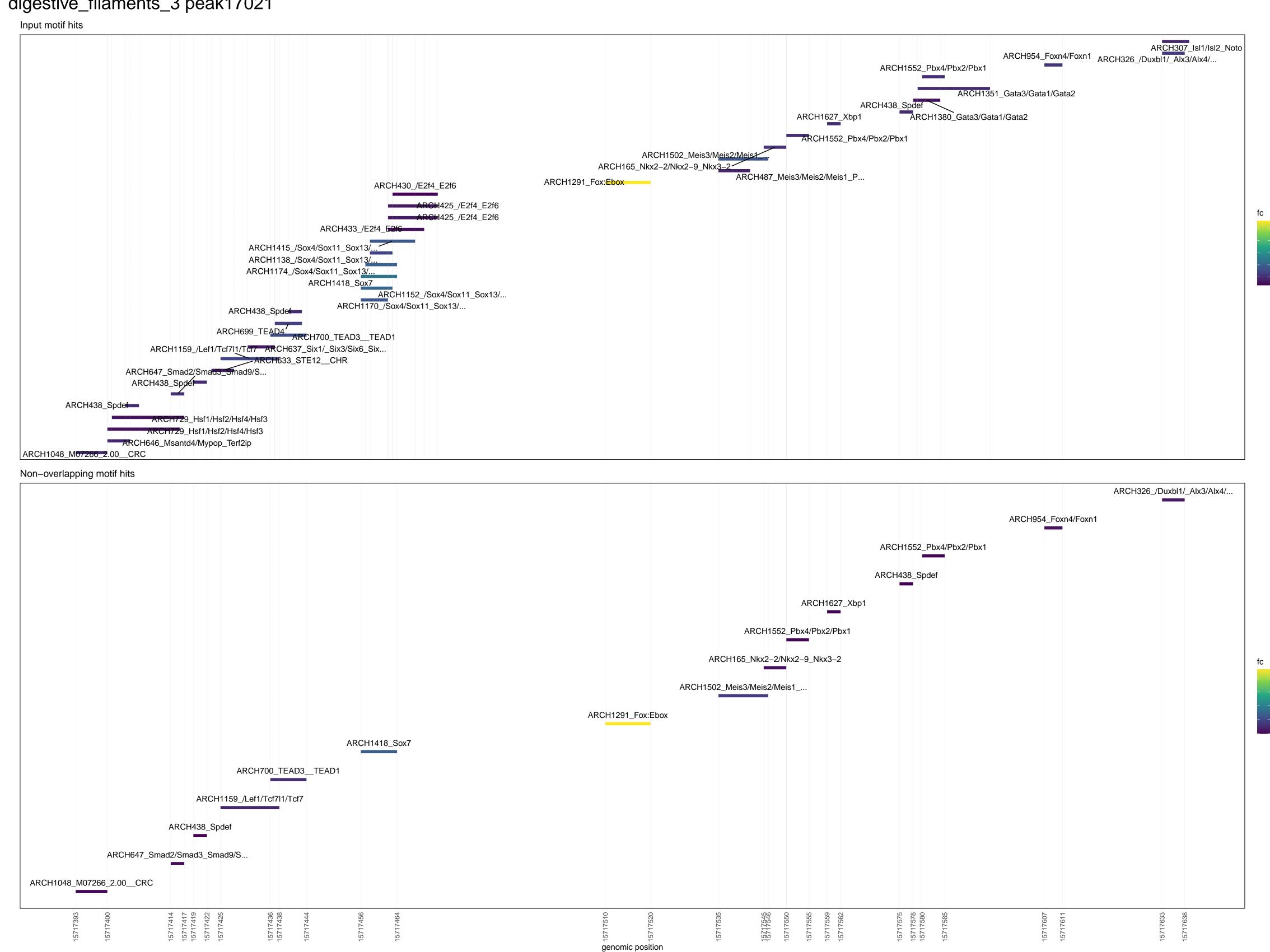
digestive_filaments_3 peak20359 Input motif hits ARCH1627_Xbp1 ARCH1138_/Sox4/Sox11_Sox13/... ARCH483_Tbx3/Tbx2 ARCH1174_/Sox4/Sox11_Sox13/... ARCH33_Hoxa1/Hoxb1/Hoxd1 ARCH1408_GATA20 ARCH1475_GATA15 ARCH112_Hoxa10 ARCH13_Arid2_Arid3c/Arid3a/... ARCH379_RDS1__M06389_2.00 ARCH1503_Meis3/Meis2/Meis1_... ARCH1502_Meis3/Meis2/Meis1_... ARCH93_AW822073//Duxf3/Duxb... ARCH281_ ARCH281_ ARCH112_Hoxa10 ARCH209_Alx3/Alx4/Alx1_Barx... ARCH647_Smad2/Smad3_Smad9/S...
ARCH954_Foxn4/Foxn1
ARCH803_M09624_2.00__Pax8__... ARCH883_M03443_2.00__M03944... ARCH374_M03912_2.00__ZC3H10 ARCH954_Foxn4/Foxn1 ARCH873_Pax5/Pax8/Pax2 ARCH647_Smad2/Smad3_Smad9/S... ARCH647_Smad2/Smad3_Smad9/S... ARCH483_Tbx3/Tbx2 ARCH833_Tbx18/Tbx22/Tbx15_T... ARCH833_Tbx18/Tbx22/Tbx15_T... ARCH484_Tbx3/Tbx2 ARCH1631_WRKY40__PH0140.1_P... ARCH1442_Dmbx1_Gsc2/Gsc//Ob... Non-overlapping motif hits ARCH483_Tbx3/Tbx2 ARCH1174_/Sox4/Sox11_Sox13/... ARCH1475_GATA15 ARCH112_Hoxa10 ARCH13_Arid2_Arid3c/Arid3a/... ARCH1503_Meis3/Meis2/Meis1_... ARCH93_AW822073//Duxf3/Duxb... ARCH112_Hoxa10 ARCH954_Foxn4/Foxn1 ARCH883_M03443_2.00__M03944... ARCH647_Smad2/Smad3_Smad9/S... ARCH833_Tbx18/Tbx22/Tbx15_T... ARCH1442_Dmbx1_Gsc2/Gsc//Ob...



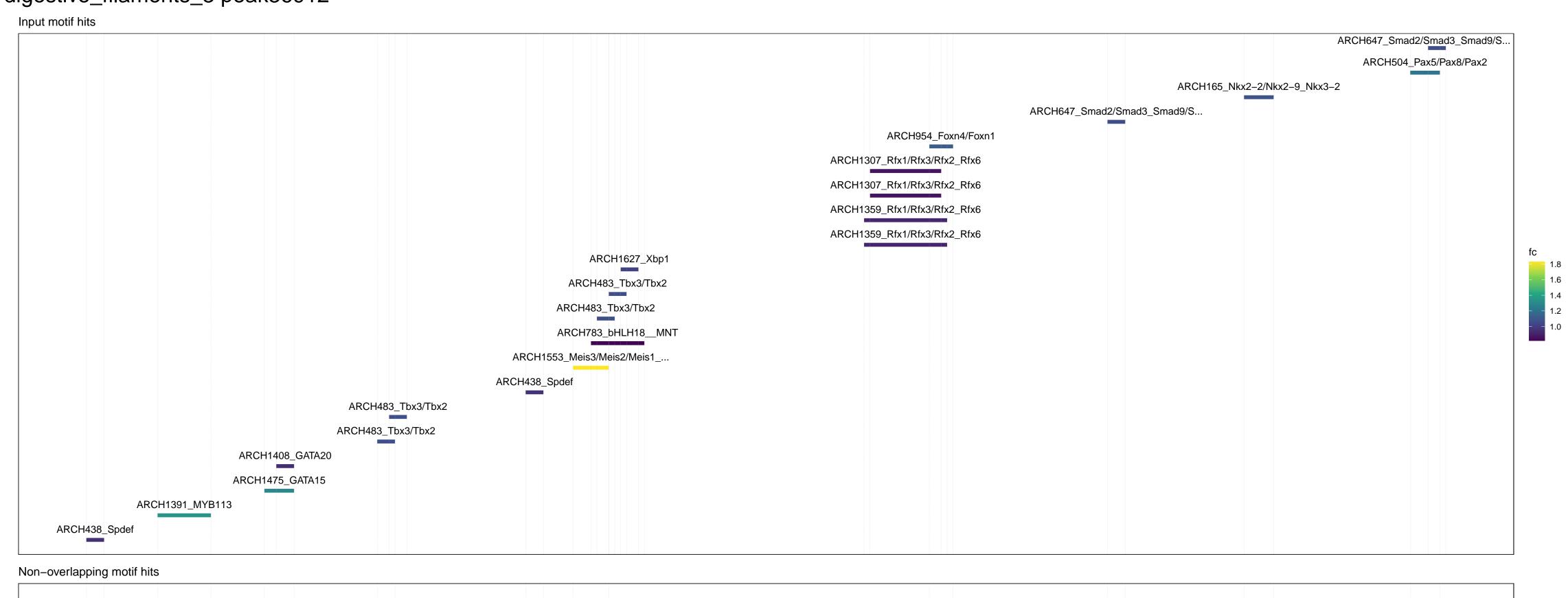


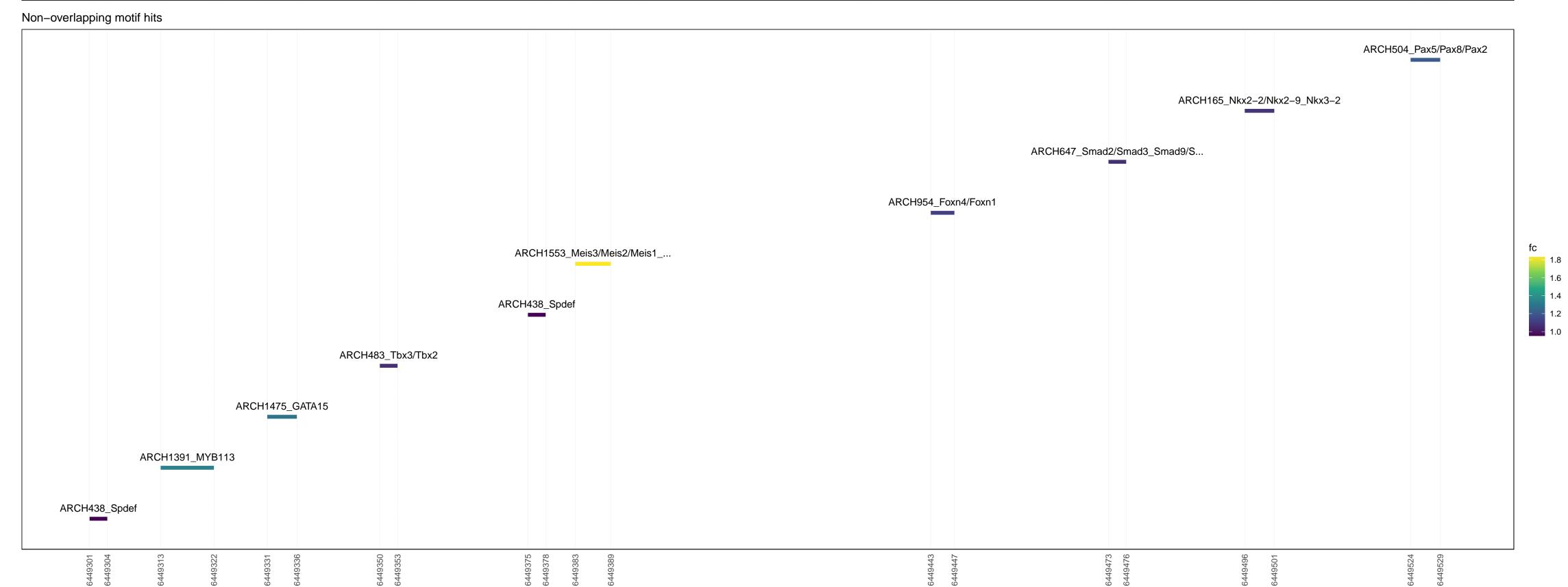


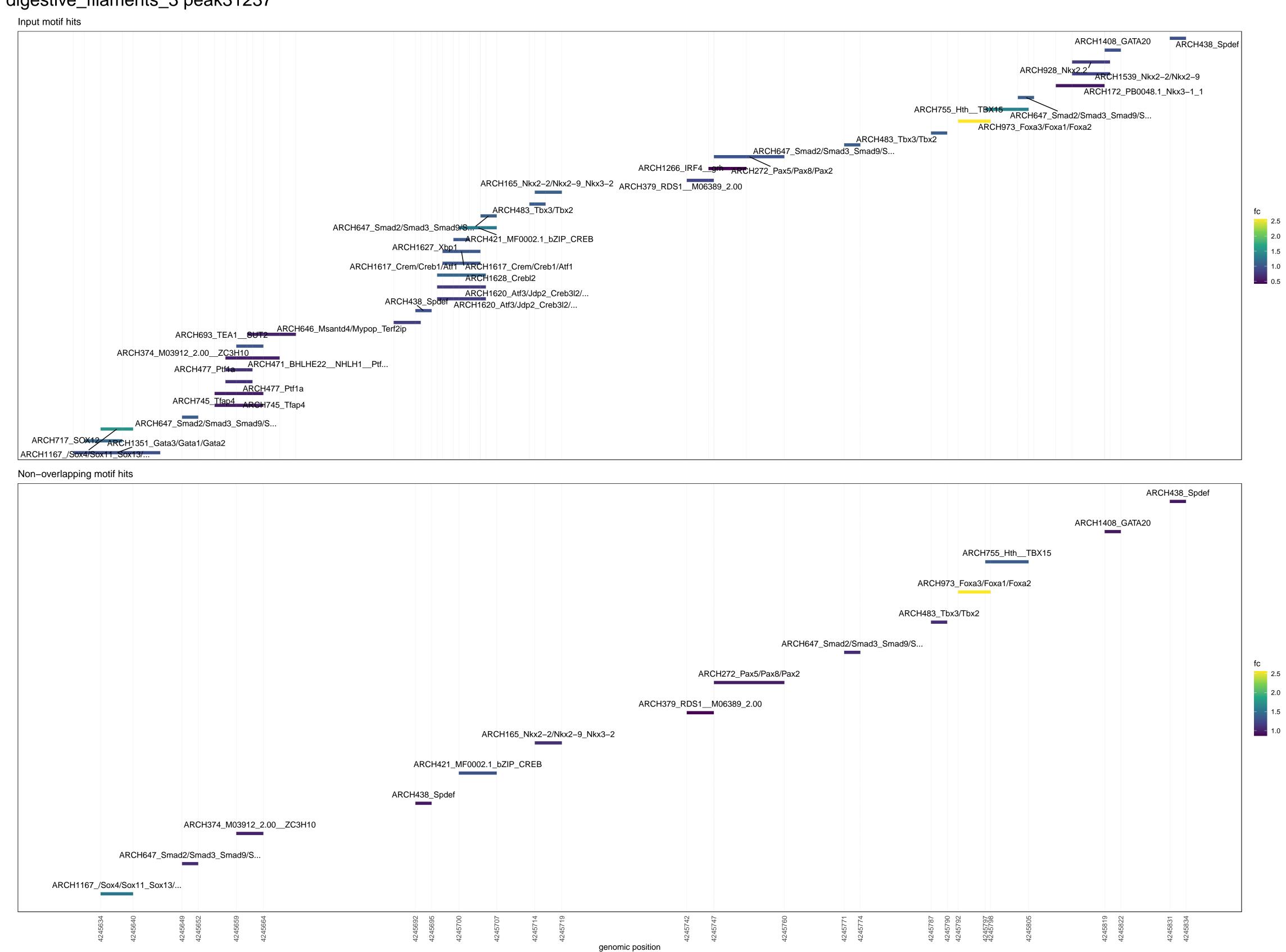


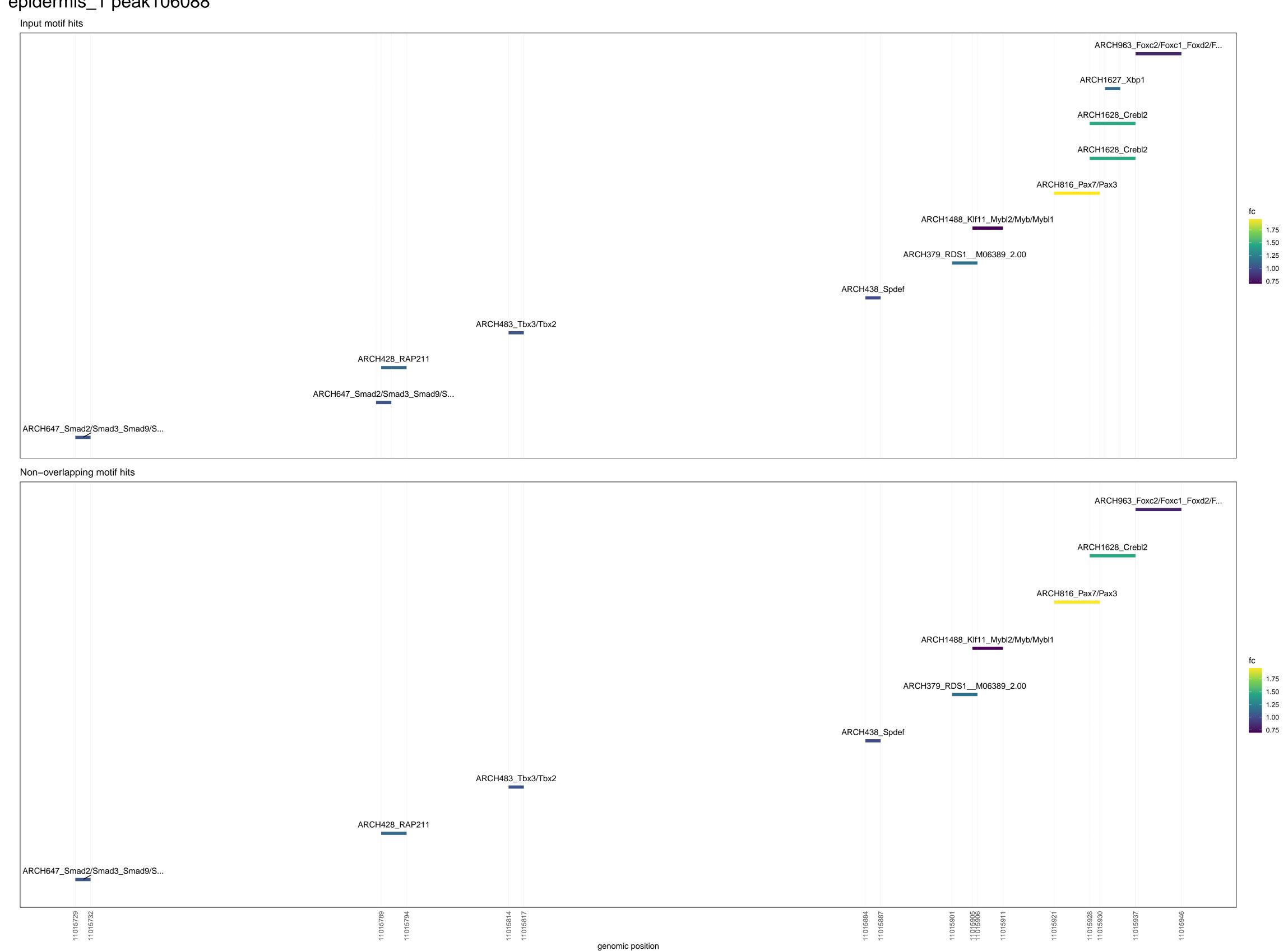


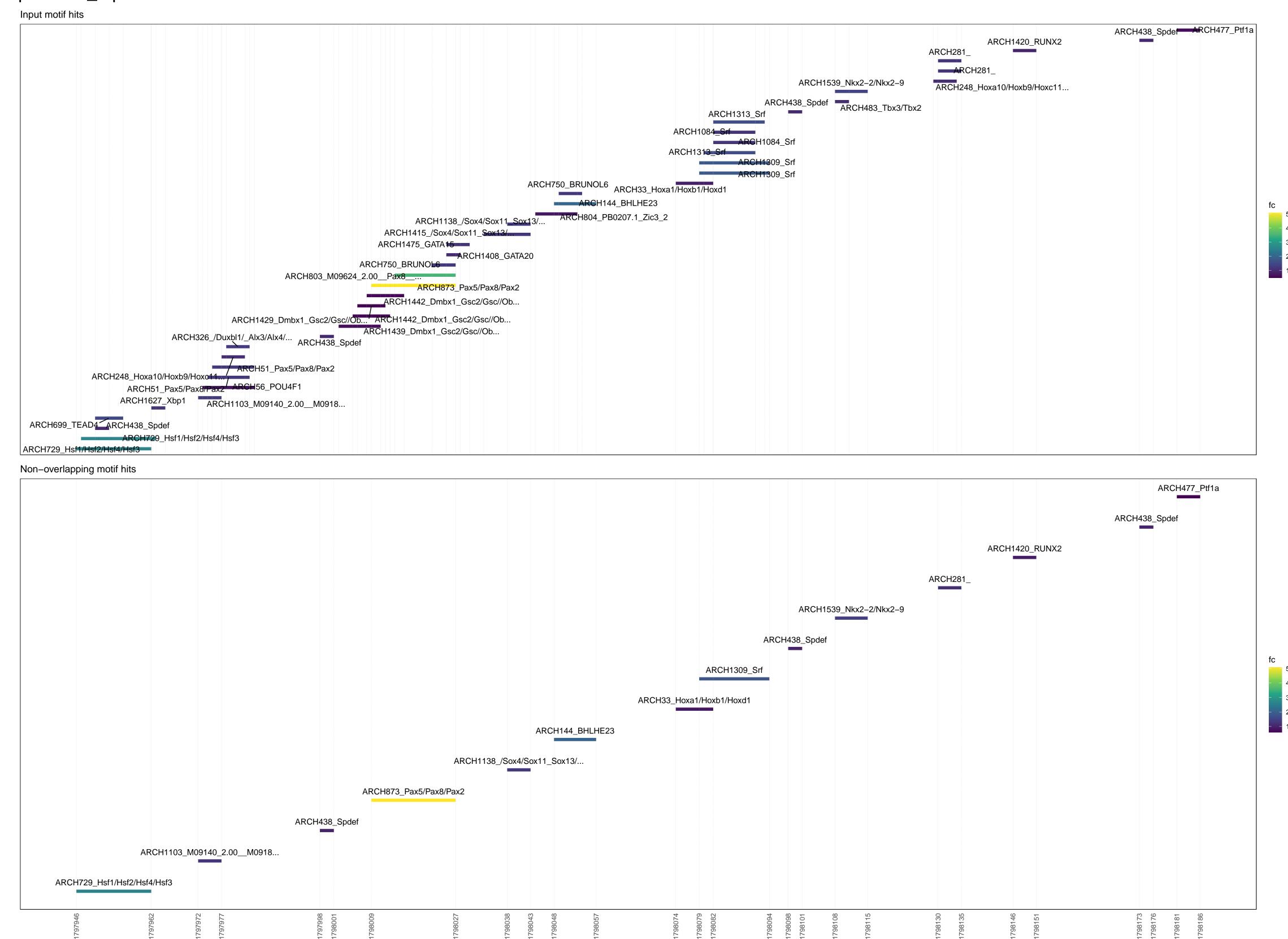
digestive_filaments_3 peak85285 Input motif hits ARCH438_Spdef ARCH438_Spdef ARCH950_POU6F1 ARCH950_POU6F1 ARCH867_ZEB1__PL0011.1_hlh-... ARCH867_ZEB1__PL0011.1_hlh-... ARCH530_Snai2 ARCH530_Snai2 ARCH471_BHLHE22__NHLH1__Ptf... ARCH471_BHLHE22_NHLH1__Ptf... ARCH1283_M08807_2.00__M0881... ARCH1283_M08807_2.00__M0881... ARCH51_Pax5/Pax8/Pax2 ARCH51_Pax5/Pax8/Pax2 ARCH1547_FOXB1 ARCH1547_FOXB1 ARCH395_ZNF354C ARCH1103_M09140_2.00__M0918... ARCH1028_Alx3/Alx4/Alx1_Bar... ARCH438_Spdef ARCH551_Elf3/Ehf/Elf5_Etv6 ARCH551_Elf3/Ehf/Elf5_Etv6 ARCH438_Spdef ARCH1627_Xbp1 ARCH954_Foxn4/Foxn1 ARCH647_Smad2/Smad3_Smad9/S... ARCH1282_MafF__M04351_2.00_... ARCH1282_MafF__M04351_2.00_... ARCH1138_/Sox4/Sox11_Sox13/... ARCH1138_/Sox4/Sox11_Sox13/... ARCH1040_PB0066.1_Sox17_1 Non-overlapping motif hits ARCH438_Spdef ARCH471_BHLHE22__NHLH1__Ptf... ARCH51_Pax5/Pax8/Pax2 ARCH1547_FOXB1 ARCH395_ZNF354C 3.0 2.5 2.0 ARCH1103_M09140_2.00__M0918... 1.5 1.0 ARCH438_Spdef ARCH438_Spdef ARCH1627_Xbp1 ARCH954_Foxn4/Foxn1

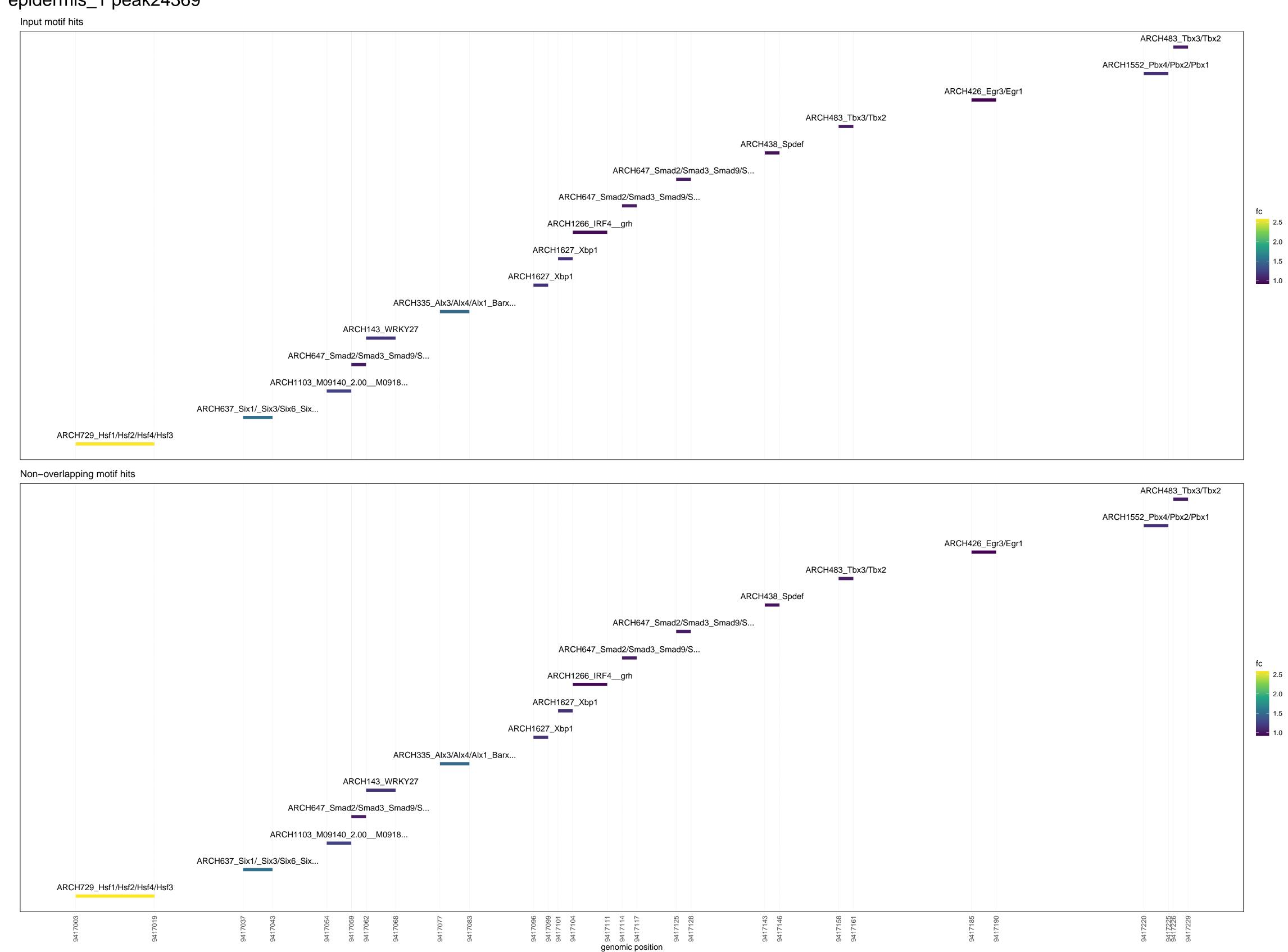


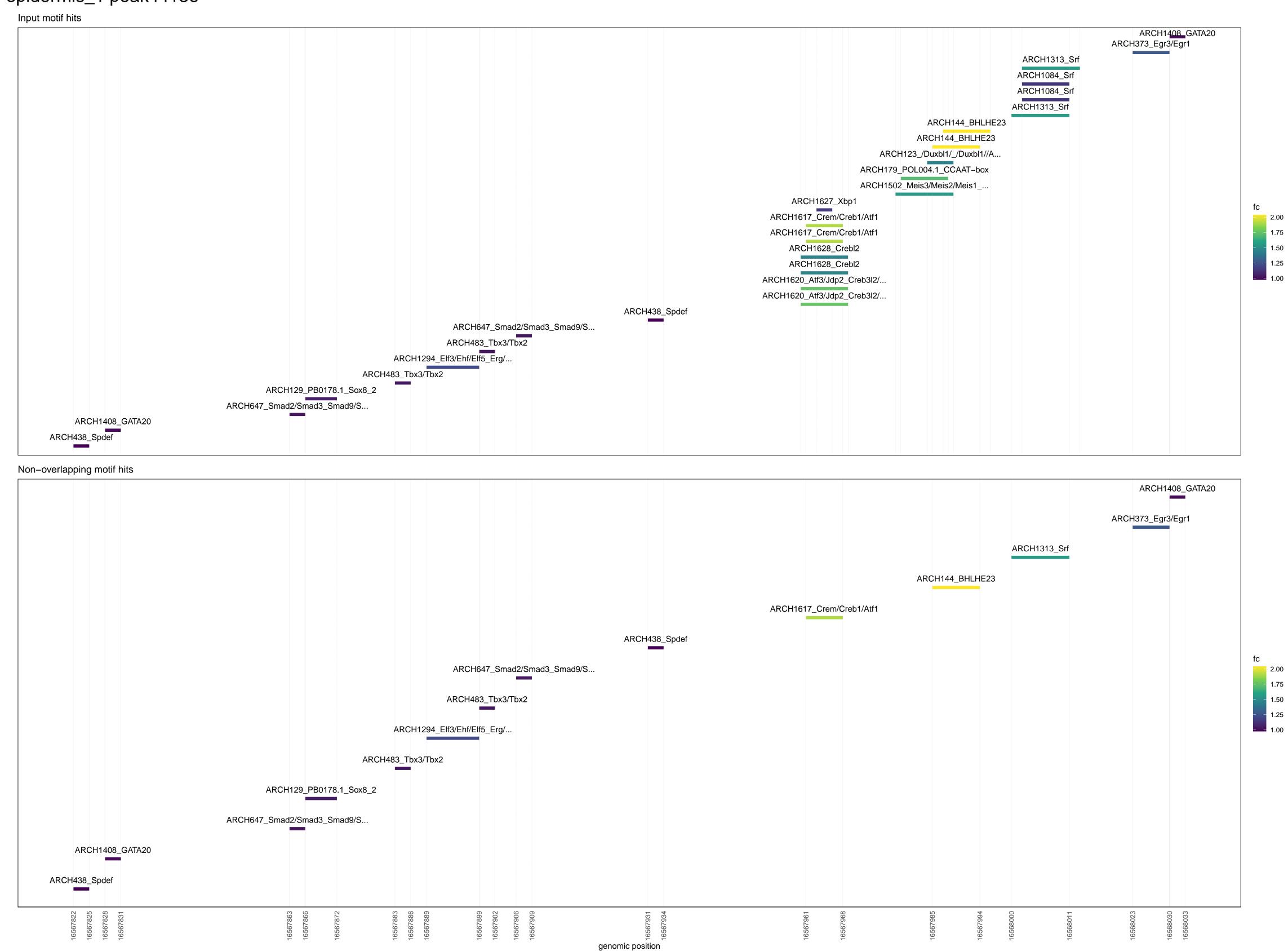






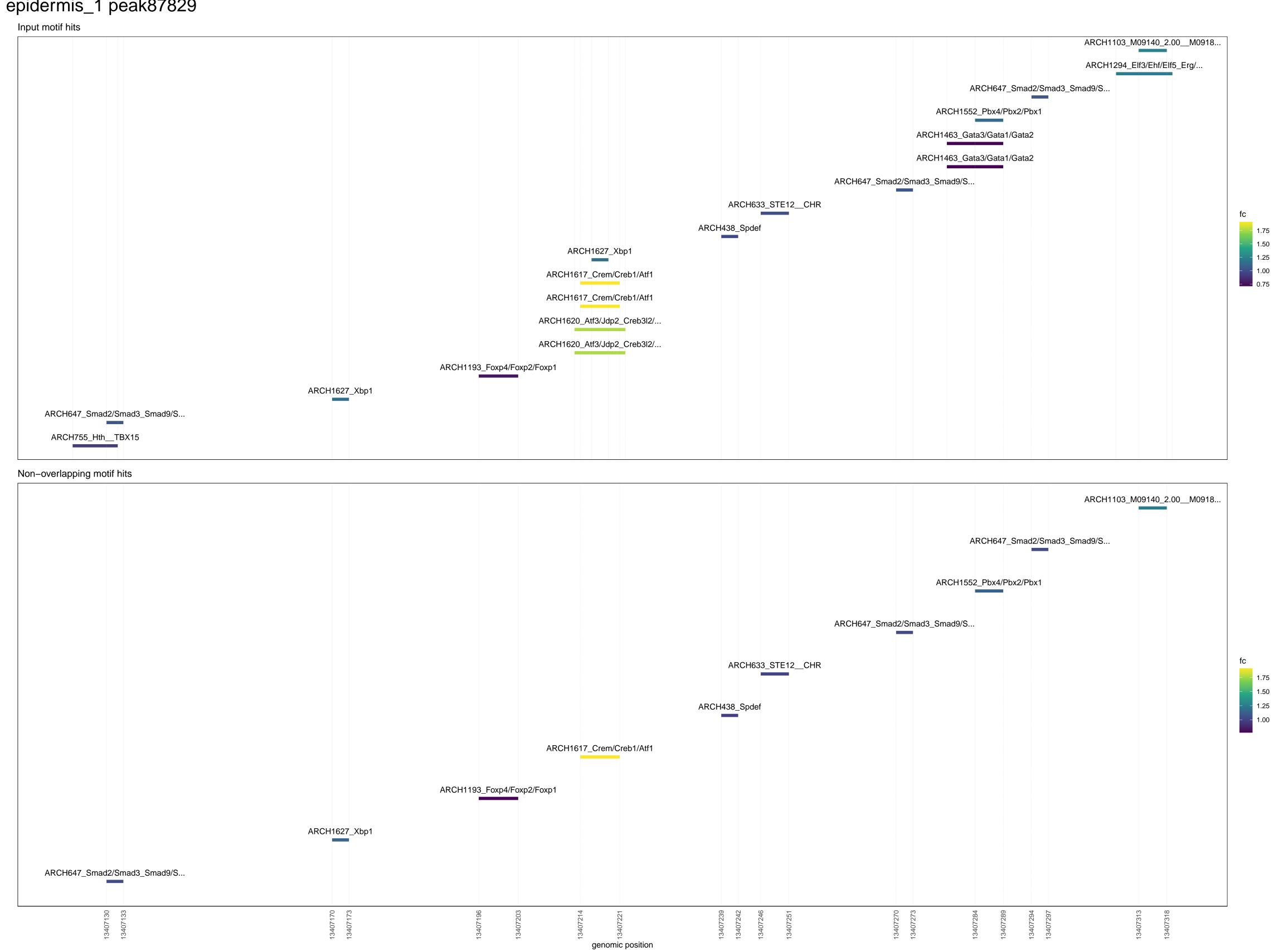




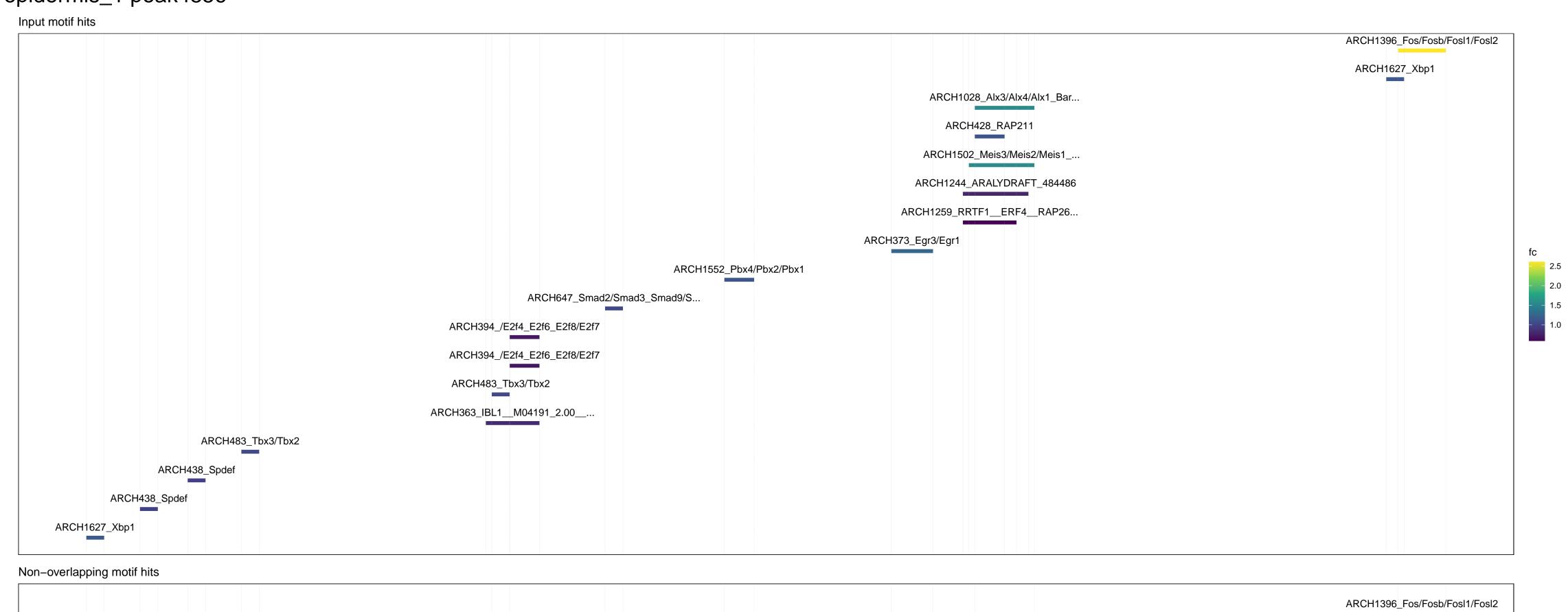


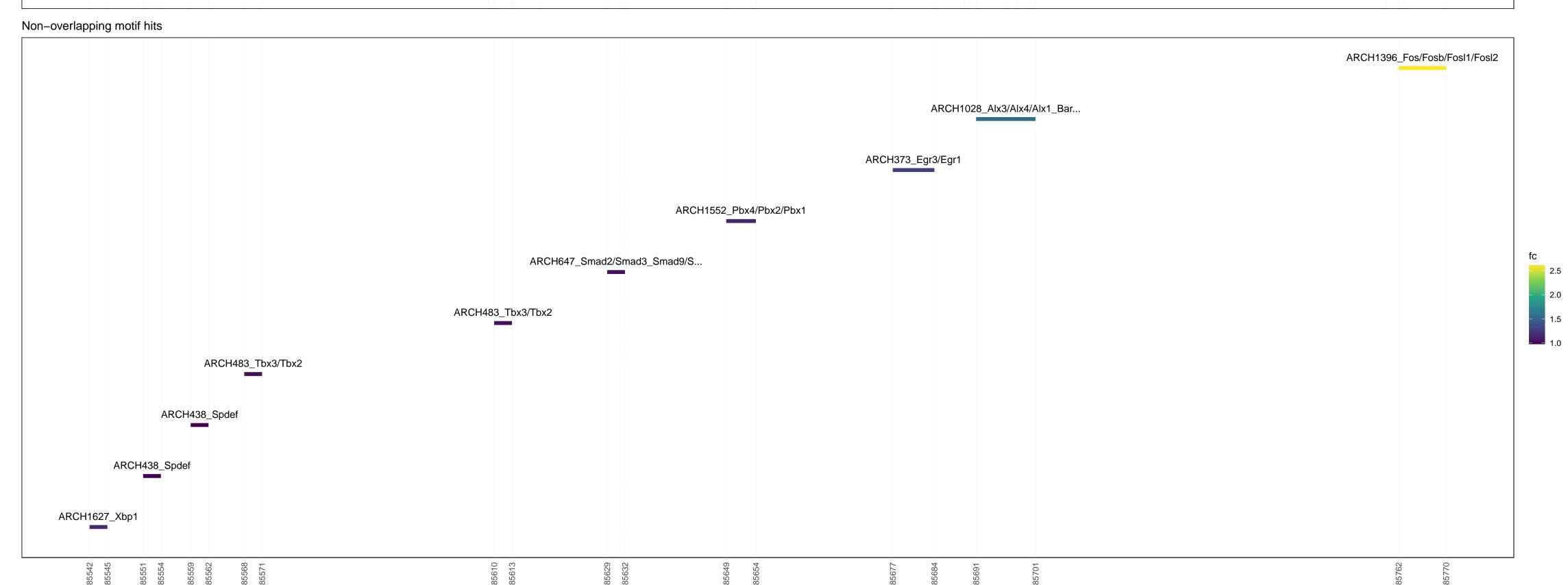
epidermis_1 peak28071 Input motif hits ARCH1552_Pbx4/Pbx2/Pbx1 ARCH1048_M07266_2.00__CRC ARCH1502_Meis3/Meis2/Meis1_... ARCH143_WRKY27 ARCH1627_Xbp1 ARCH637_Six1/_Six3/Six6_Six... ARCH1103_M09140_2.00__M0918... 2.0 1.5 ARCH379_RDS1__M06389_2.00 ARCH963_Foxc2/Foxc1_Foxd2/F... ARCH647_Smad2/Smad3_Smad9/S... ARCH1386_ANKHD1__PTBP1 ARCH1627_Xbp1 ARCH647_Smad2/Smad3_Smad9/S... ARCH477_Ptf1a Non-overlapping motif hits ARCH1048_M07266_2.00__CRC ARCH1502_Meis3/Meis2/Meis1_... ARCH1627_Xbp1 ARCH637_Six1/_Six3/Six6_Six... ARCH1103_M09140_2.00__M0918... 1.5 ARCH379_RDS1__M06389_2.00 1.0 ARCH963_Foxc2/Foxc1_Foxd2/F... ARCH1627_Xbp1 ARCH647_Smad2/Smad3_Smad9/S... ARCH477_Ptf1a

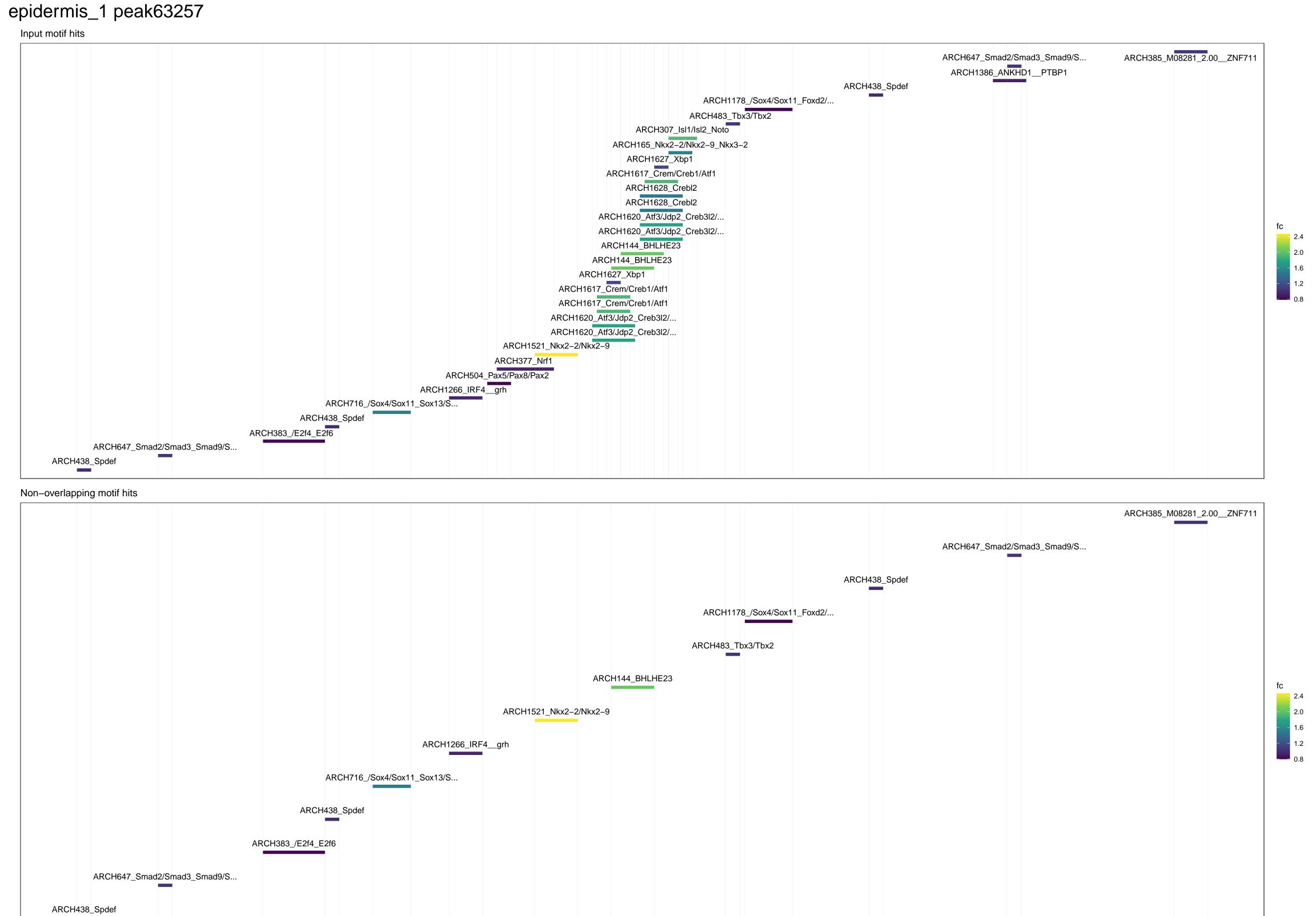
epidermis_1 peak6301 Input motif hits ARCH438_Spdef ARCH379_RDS1__M06389_2.00 ARCH750_BRUNOL6 ARCH483_Tbx3/Tbx2 ARCH647_Smad2/Smad3_Smad9/S... ARCH1408_GATA20 ARCH1475_GATA15 ARCH483_Tbx3/Tbx2 ARCH1553_Meis3/Meis2/Meis1_... ARCH928_Nkx2.2 1.5 - 1.3 ARCH438_Spdef ARCH633_STE12__CHR ARCH1627_Xbp1 ARCH1617_Crem/Creb1/Atf1 ARCH471_BHLHE22__NHLH1__Ptf... ARCH647_Smad2/Smad3_Smad9/S... ARCH1373_bHLH130 ARCH123_/Duxbl1/_/Duxbl1//A... ARCH178_Foxc2/Foxc1_Foxg1/G... Non-overlapping motif hits ARCH438_Spdef ARCH379_RDS1__M06389_2.00 ARCH750_BRUNOL6 ARCH647_Smad2/Smad3_Smad9/S... ARCH1475_GATA15 ARCH483_Tbx3/Tbx2 ARCH1553_Meis3/Meis2/Meis1_... 1.9 1.7 ARCH928_Nkx2.2 1.5 - 1.3 ARCH438_Spdef - 1.1 ARCH633_STE12__CHR ARCH1617_Crem/Creb1/Atf1 ARCH471_BHLHE22__NHLH1__Ptf... ARCH647_Smad2/Smad3_Smad9/S... ARCH1373_bHLH130 ARCH123_/Duxbl1/_/Duxbl1//A... 13424512 13424513

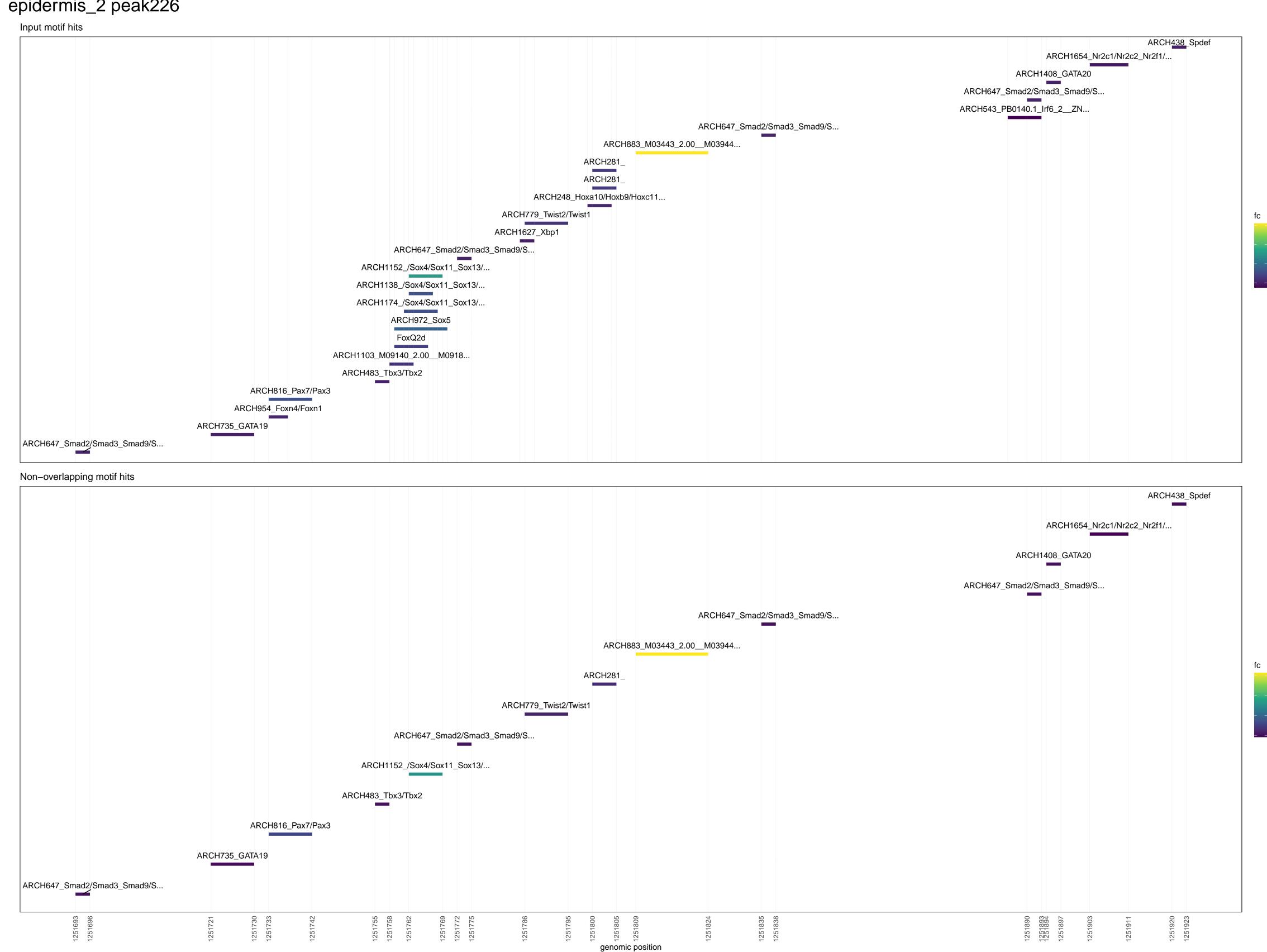


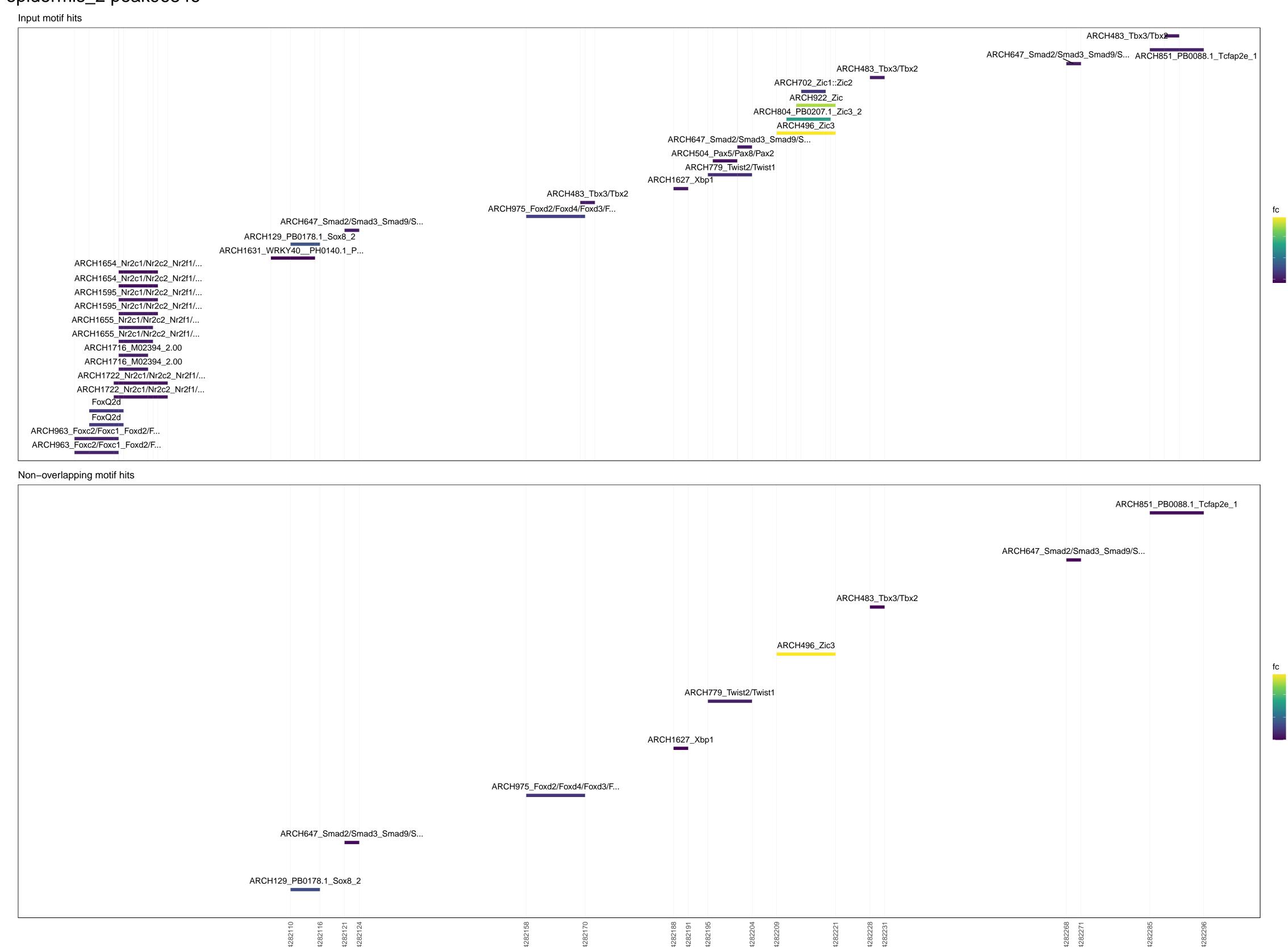
epidermis_1 peak94478 Input motif hits ARCH647_Smad2/Smad3_Smad9/S... ARCH1283_M08807_2.00__M0881... ARCH954_Foxn4/Foxn1 ARCH483_Tbx3/Tbx2 ARCH1103_M09140_2.00__M0918... ARCH954_Foxn4/Foxn1 ARCH647_Smad2/Smad3_Smad9/S... ARCH1627_Xbp1 ARCH647_Smad2/Smad3_Smad9/S... ARCH483_Tbx3/Tbx2 1.2 ARCH647_Smad2/Smad3_Smad9/S... 1.0 ARCH735_GATA19 ARCH1040_PB0066.1_Sox17_1 ARCH1102_Foxa3/Foxa1/Foxa2_... ARCH438_Spdef ARCH1400_ZNF143 ARCH438_Spdef ARCH542_ETS2 ARCH439_M09530_2.00__M04749... ARCH1552_Pbx4/Pbx2/Pbx1 Non-overlapping motif hits ARCH647_Smad2/Smad3_Smad9/S... ARCH954_Foxn4/Foxn1 ARCH483_Tbx3/Tbx2 ARCH1103_M09140_2.00__M0918... ARCH954_Foxn4/Foxn1 ARCH1627_Xbp1 ARCH647_Smad2/Smad3_Smad9/S... 1.2 1.0 ARCH735_GATA19 ARCH1040_PB0066.1_Sox17_1 ARCH1102_Foxa3/Foxa1/Foxa2_... ARCH1400_ZNF143 ARCH542_ETS2 ARCH1552_Pbx4/Pbx2/Pbx1

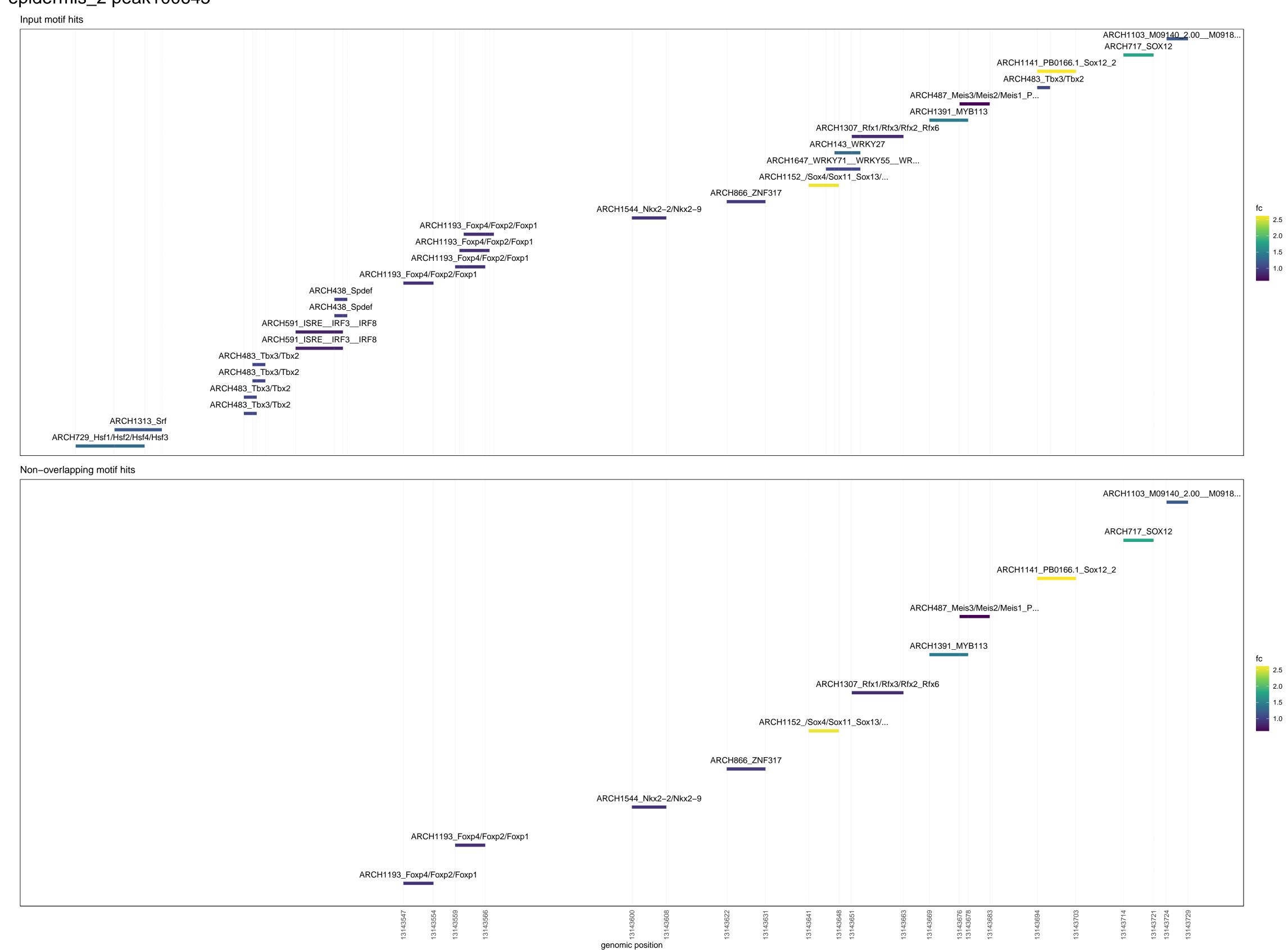


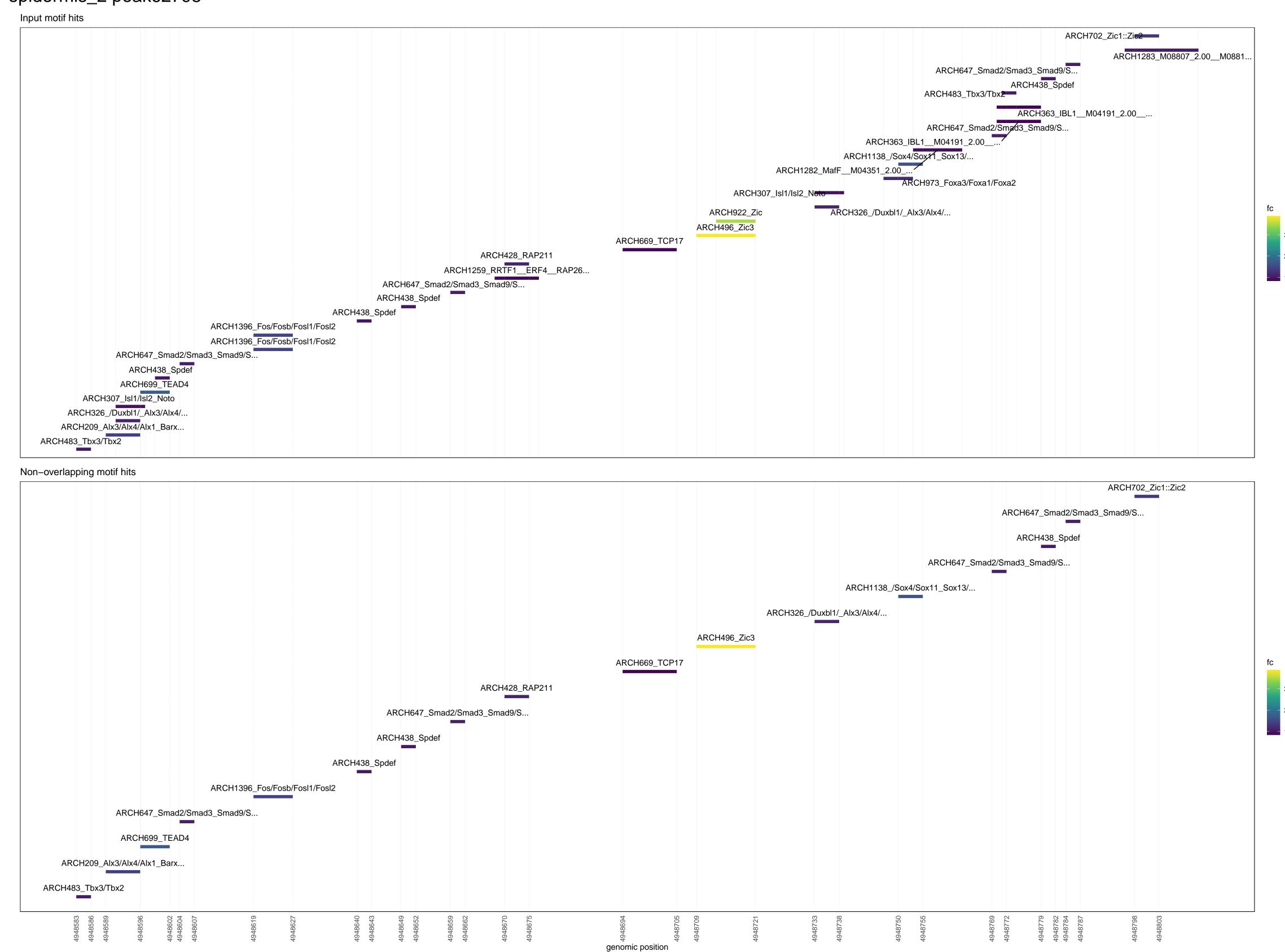


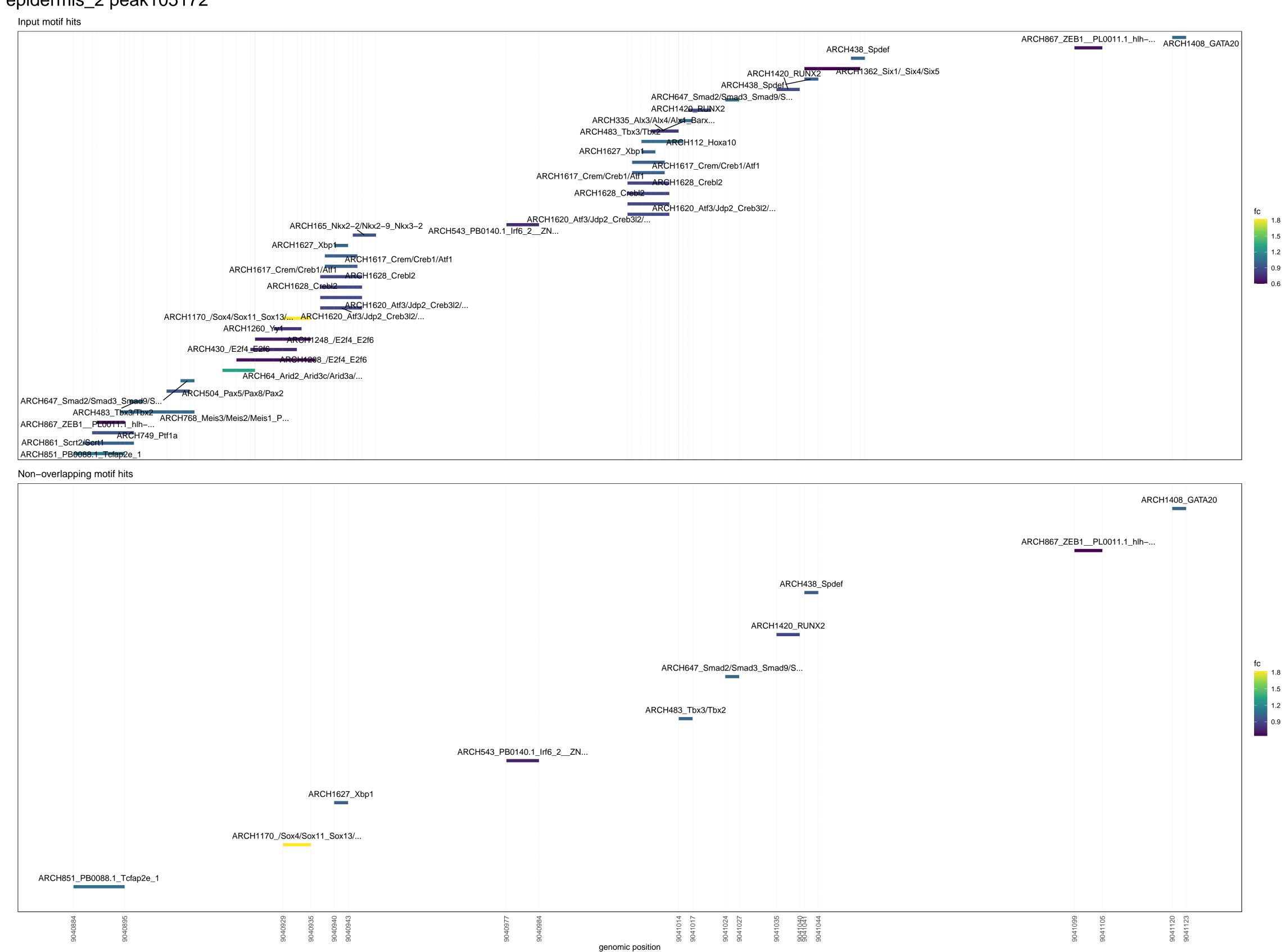


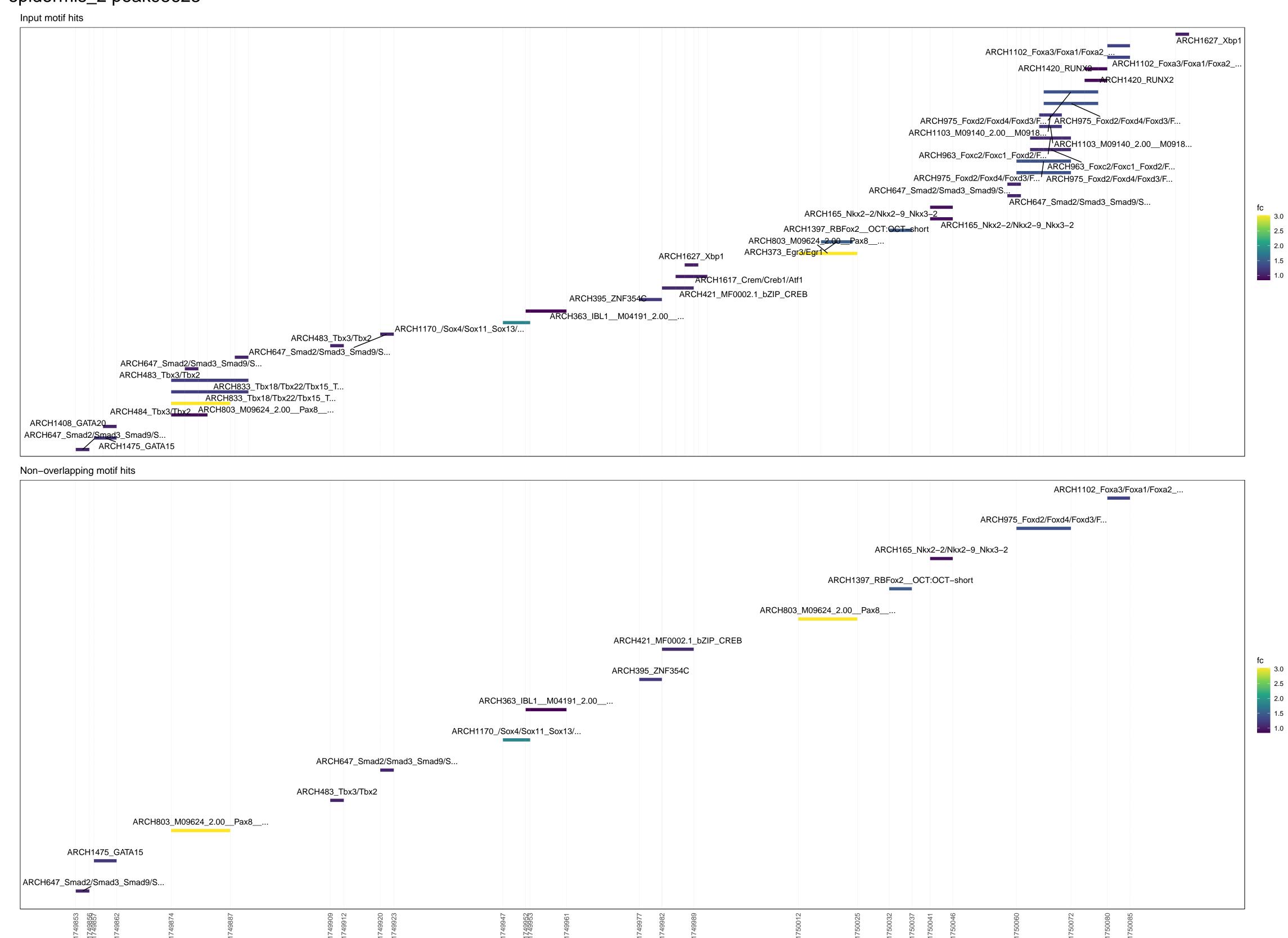


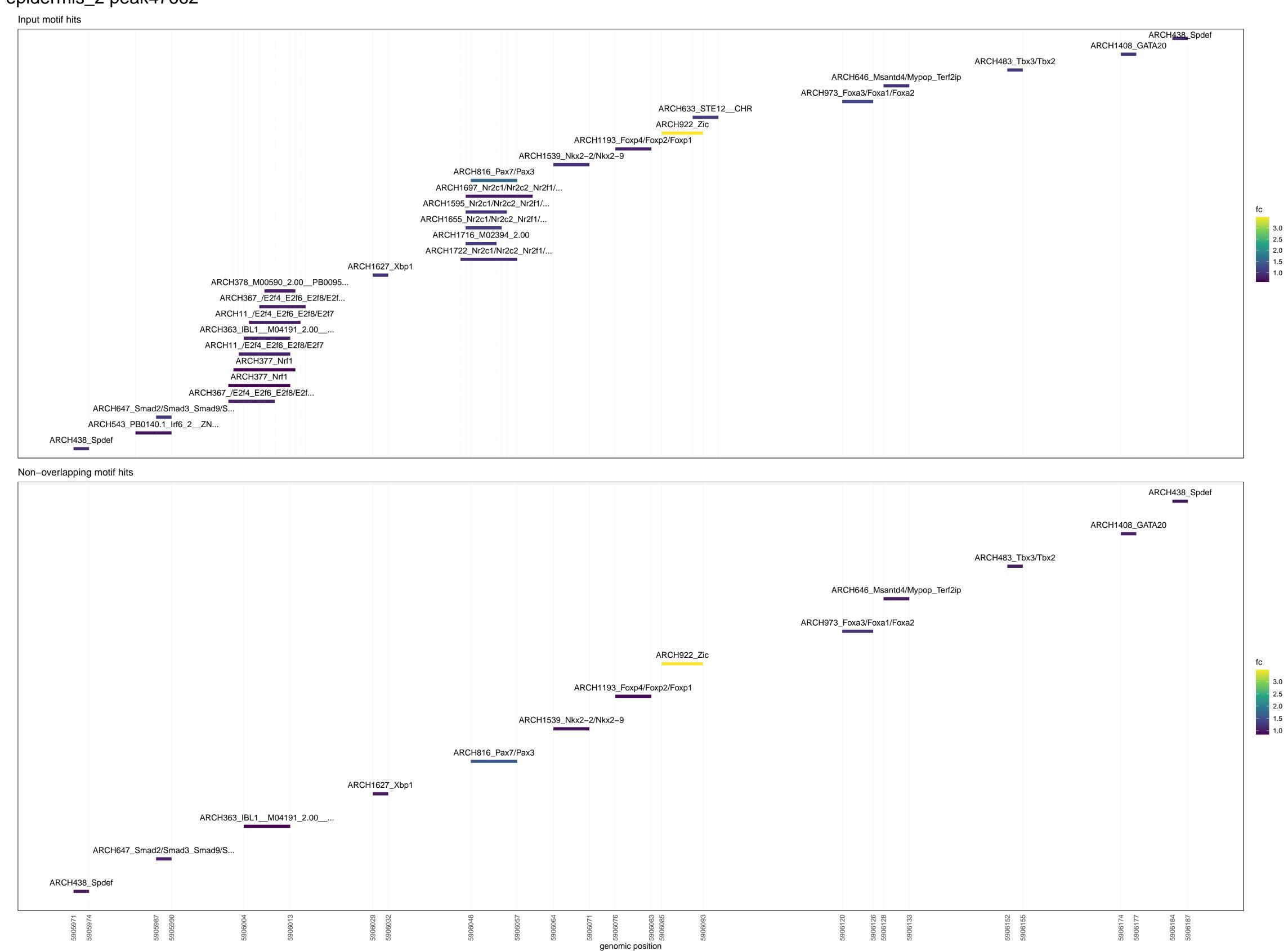


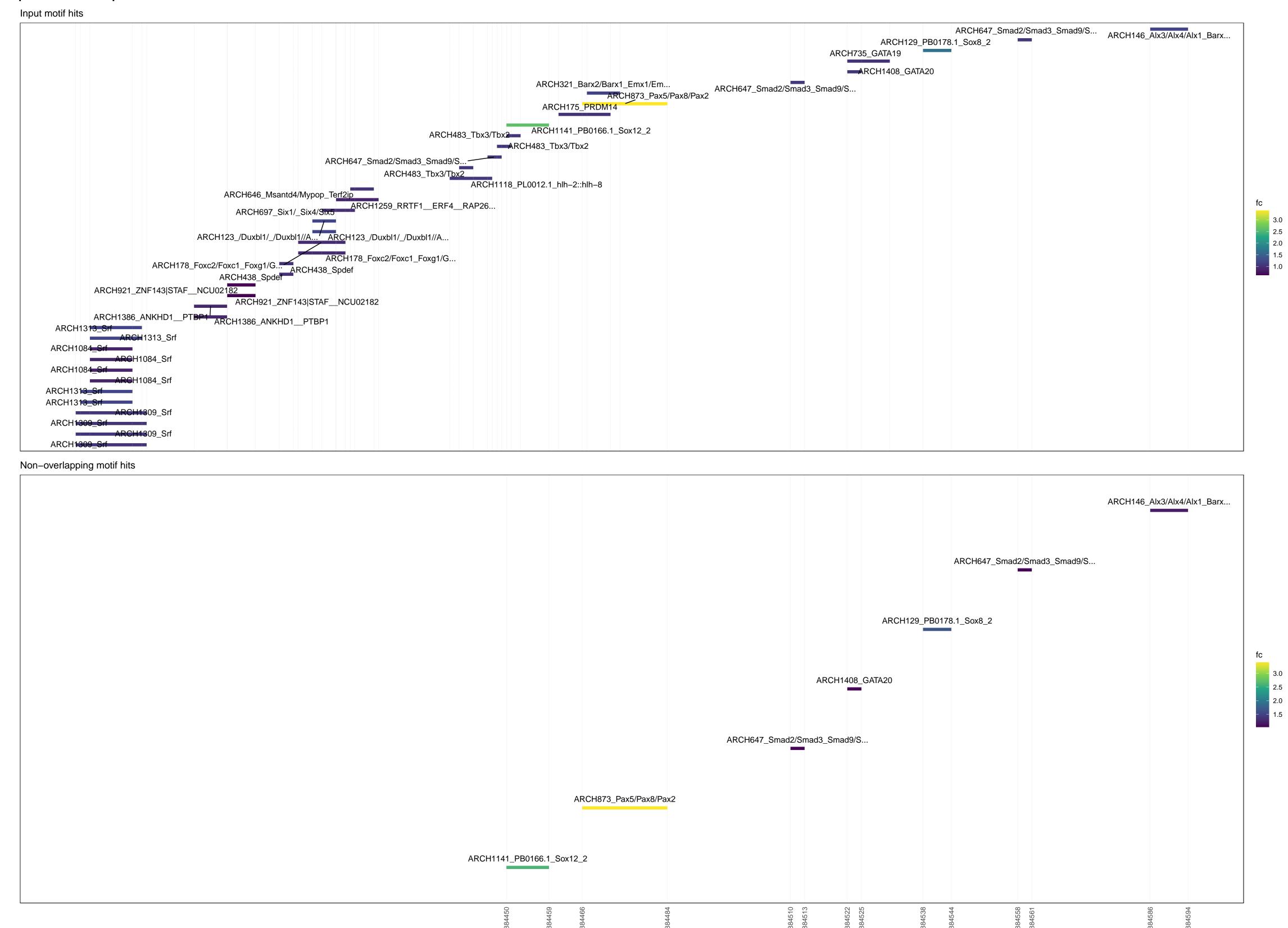


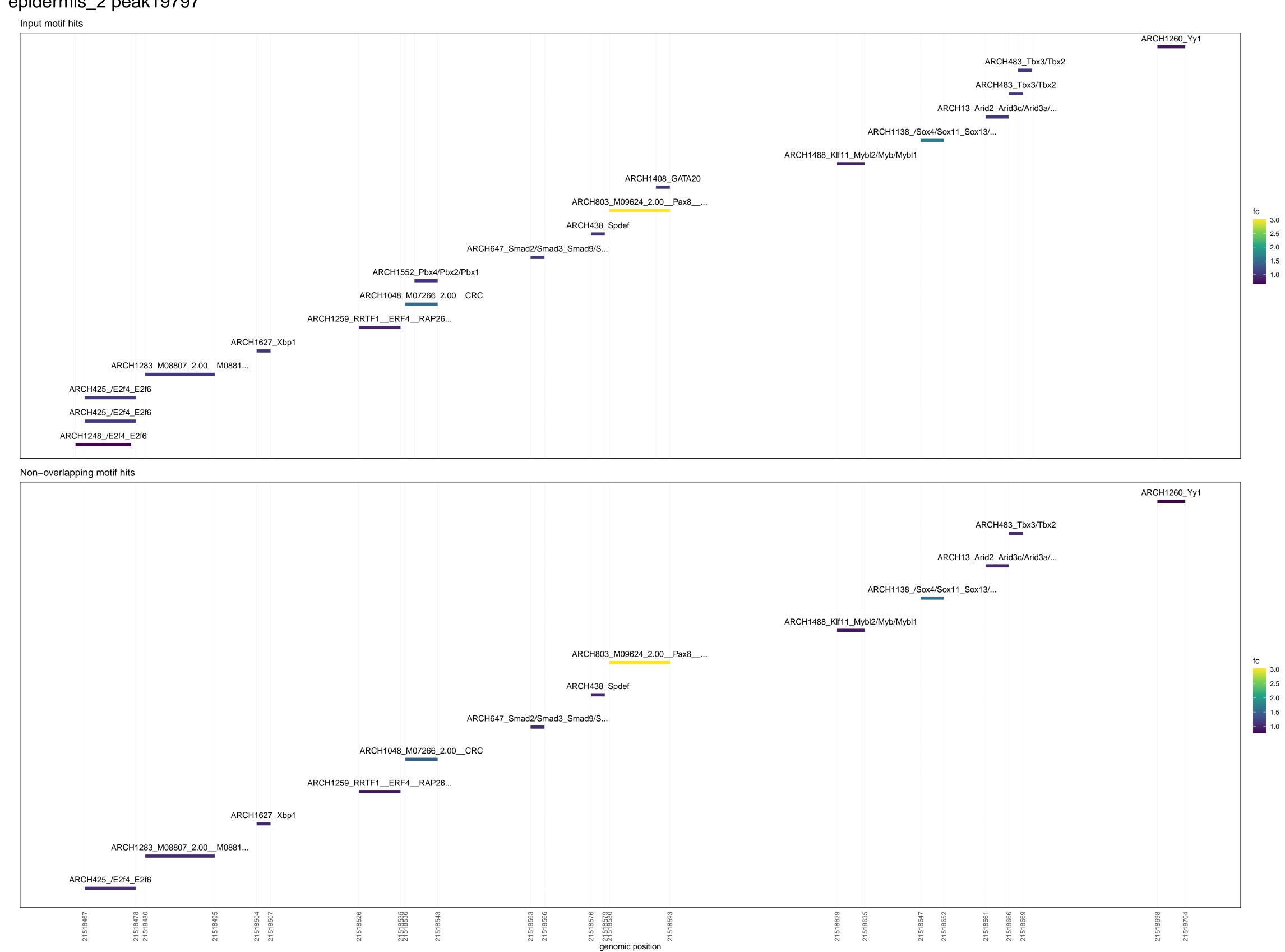


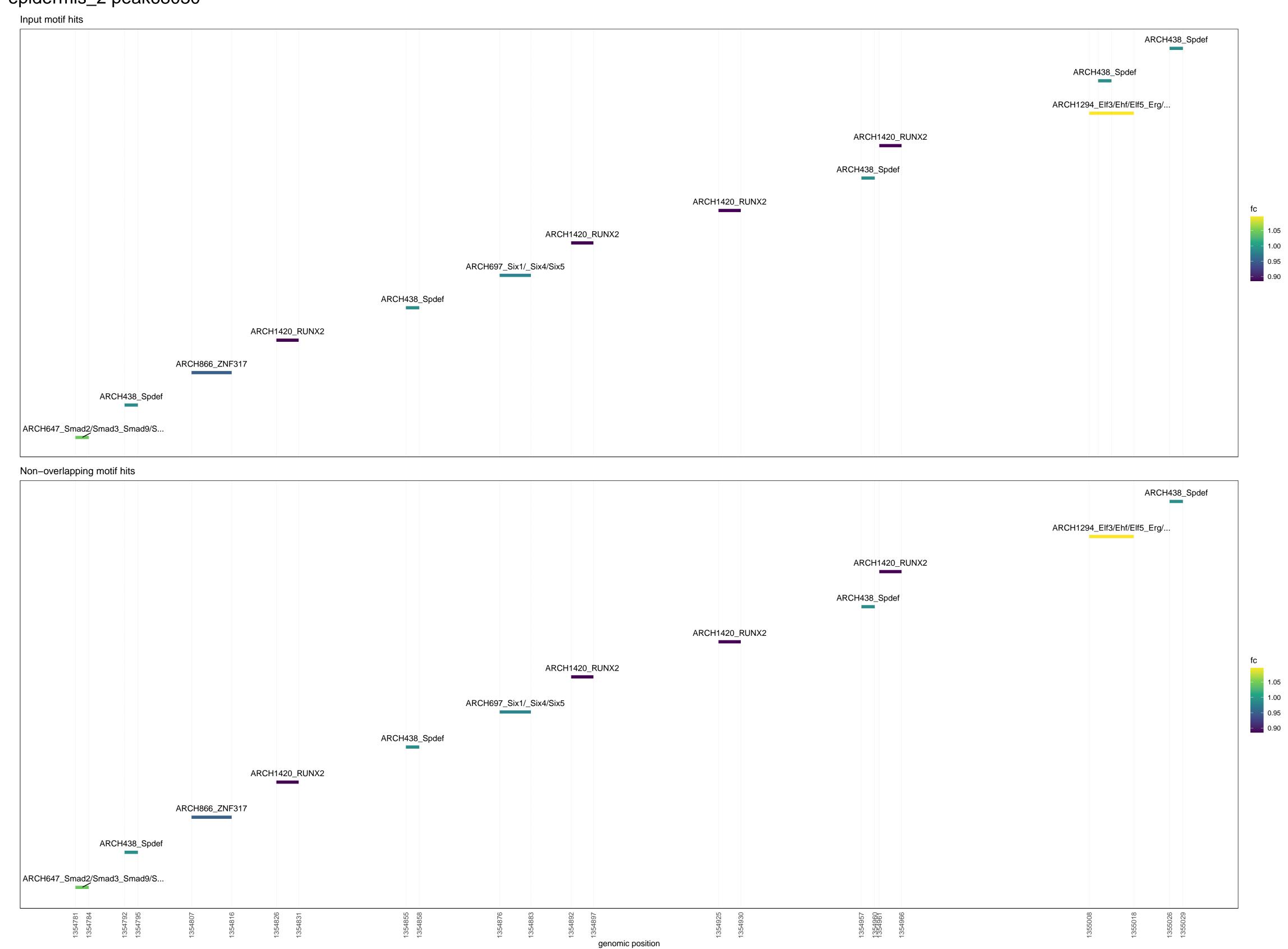


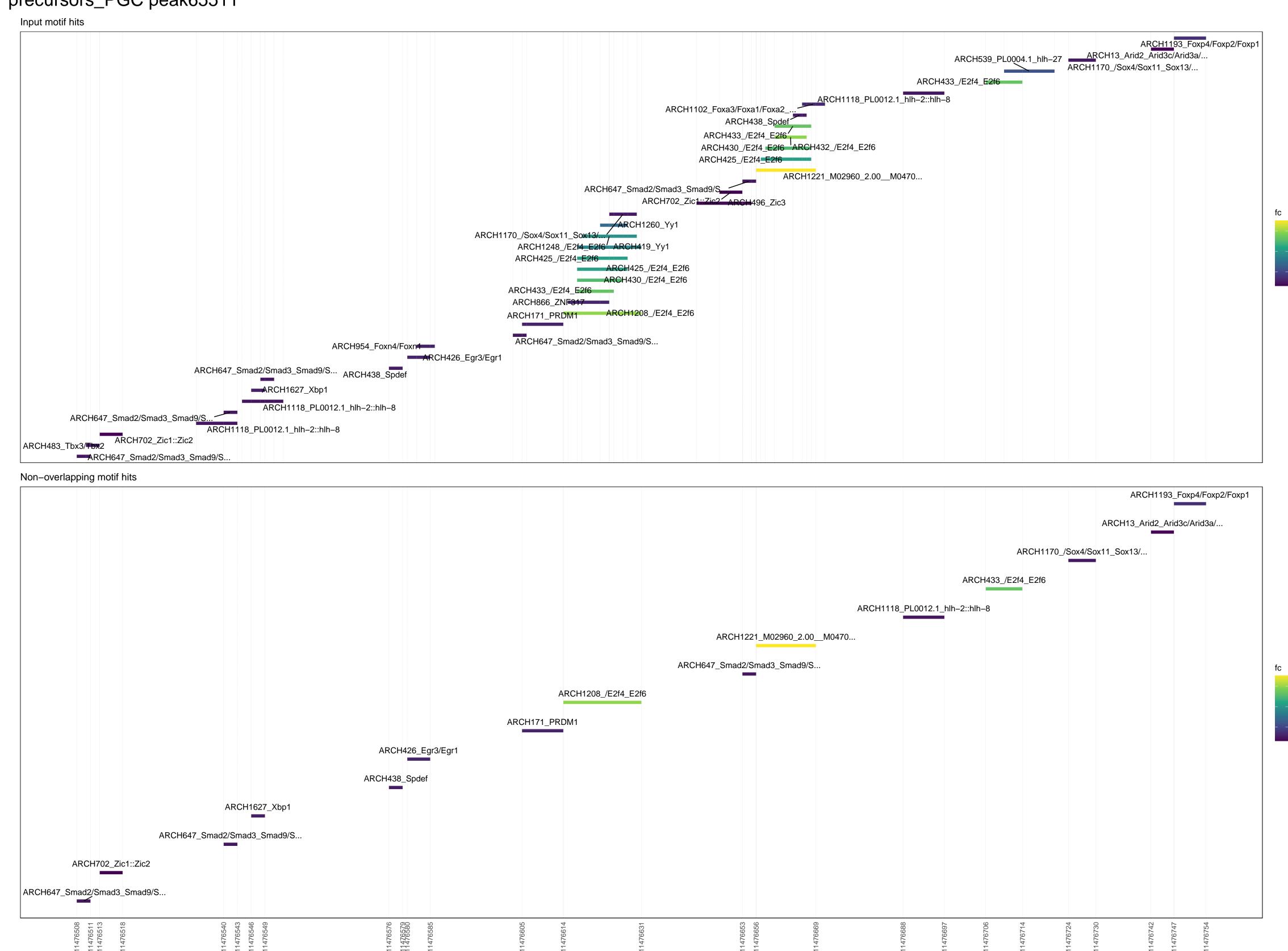


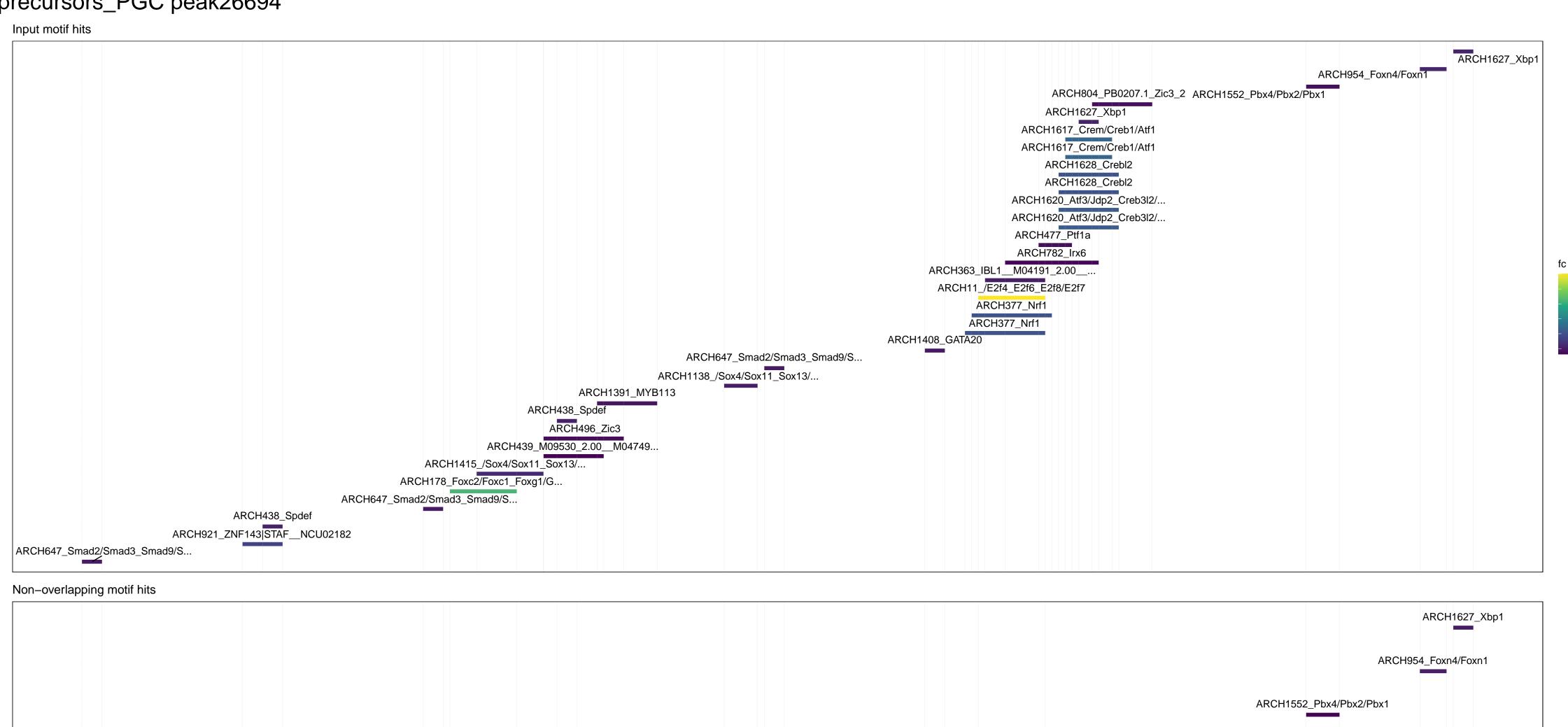


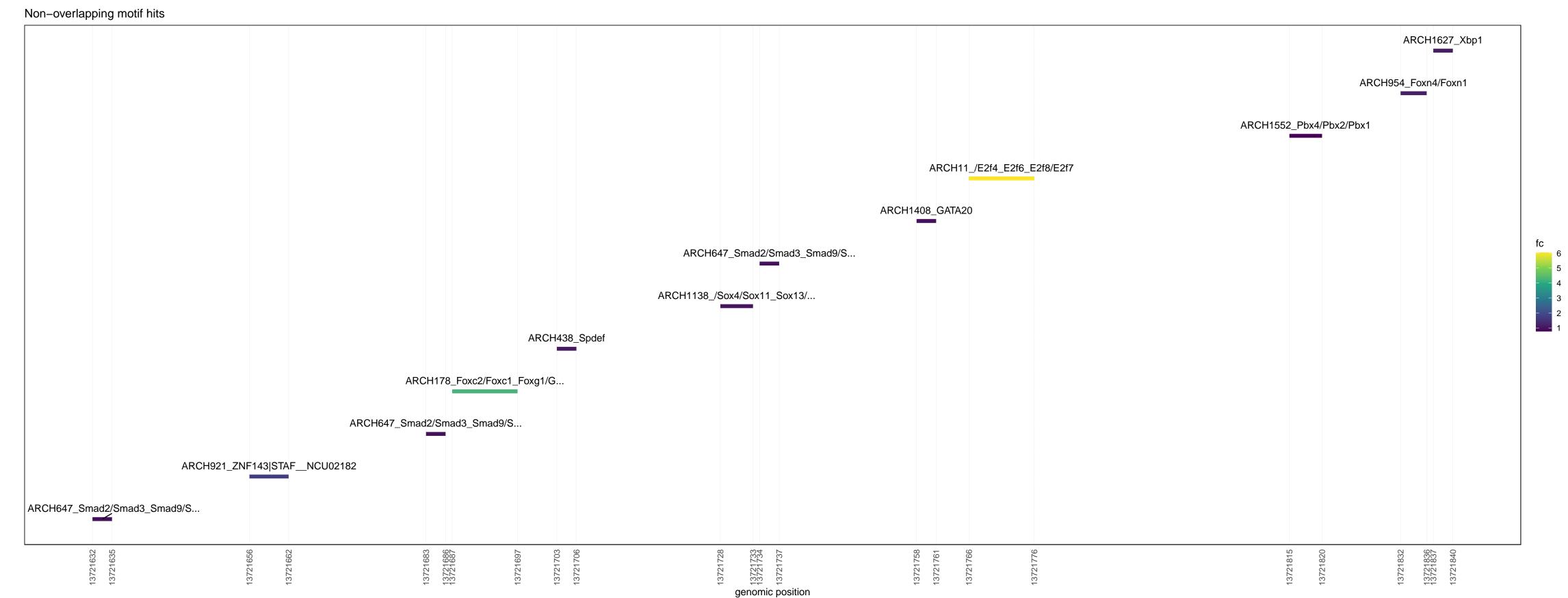


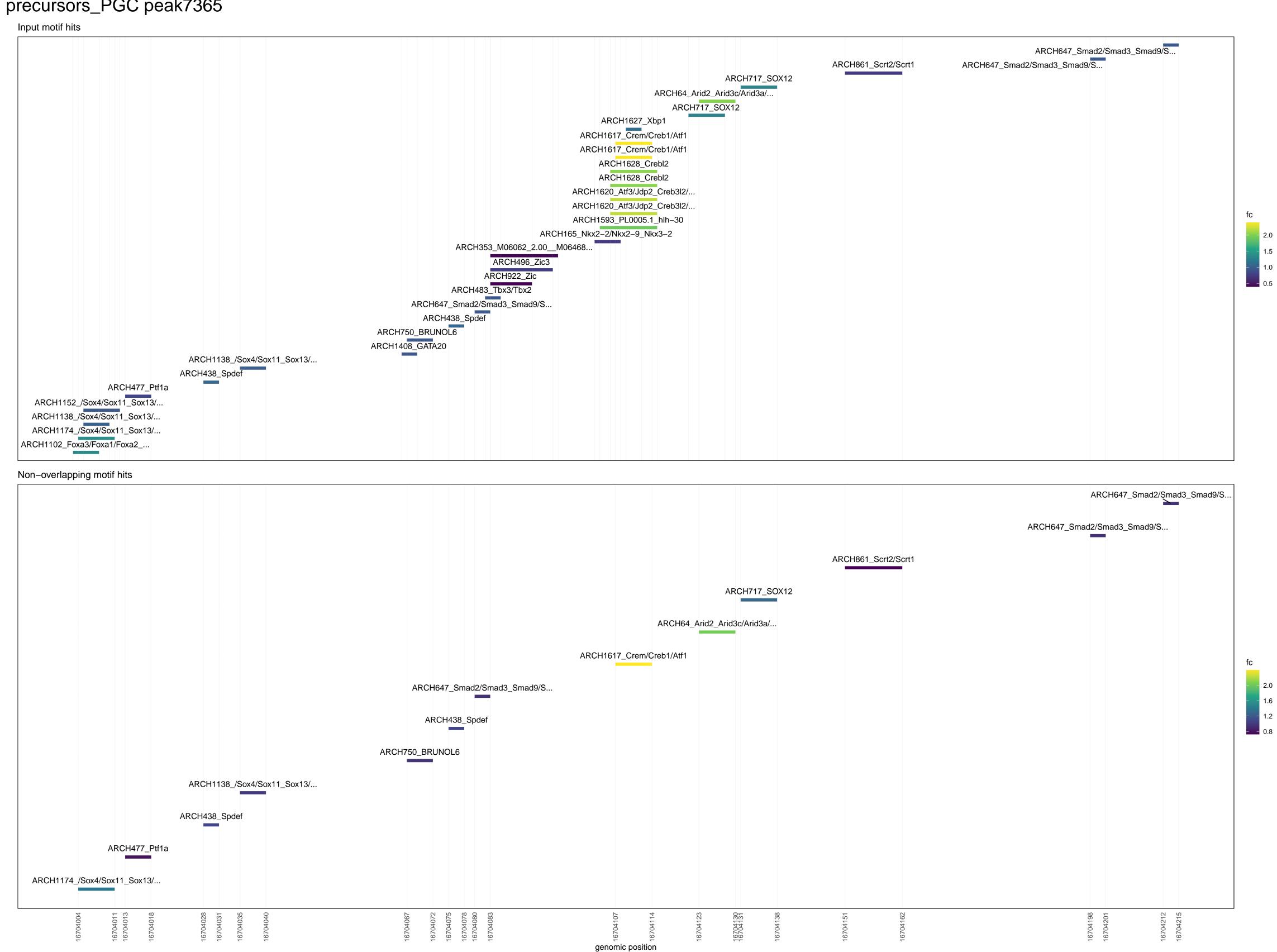


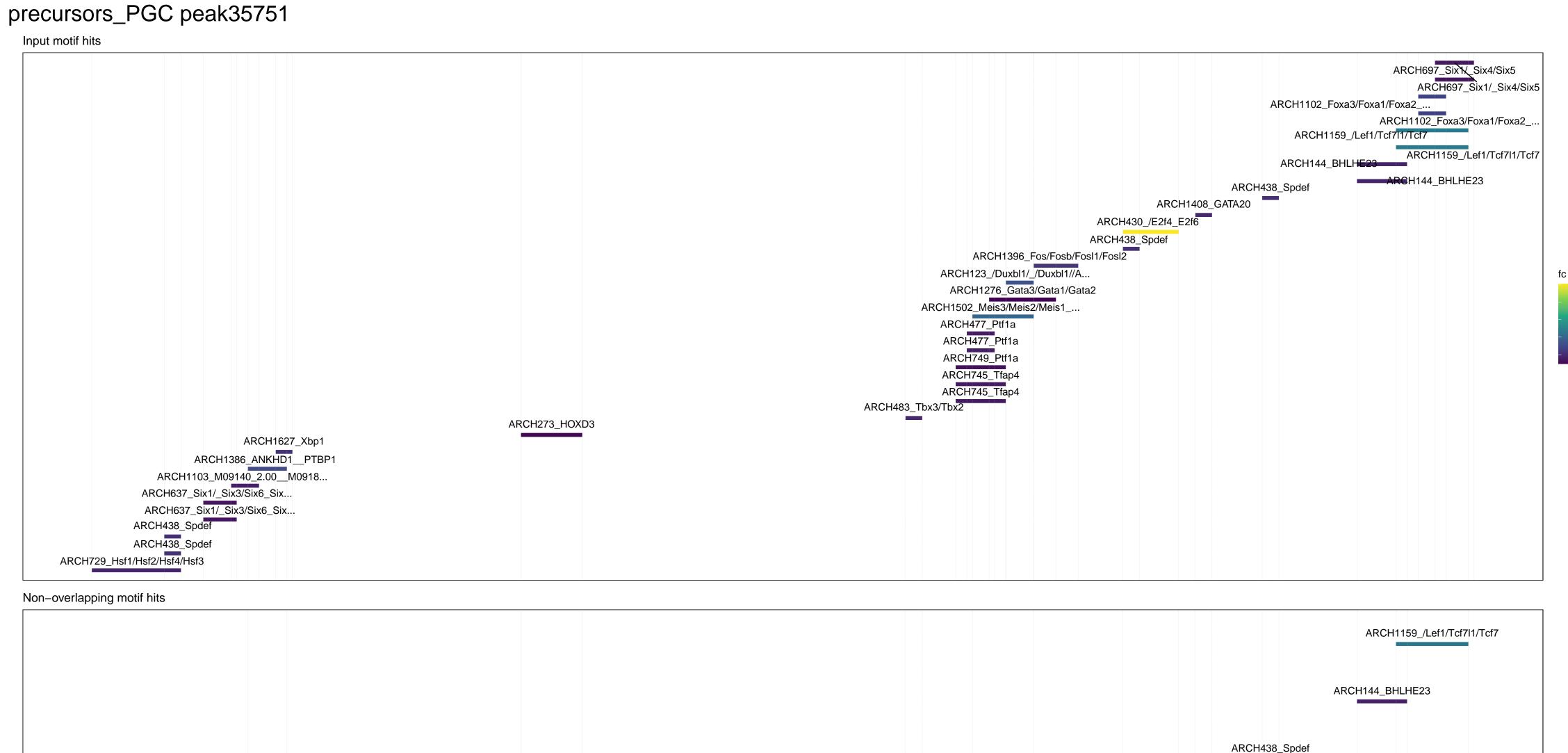


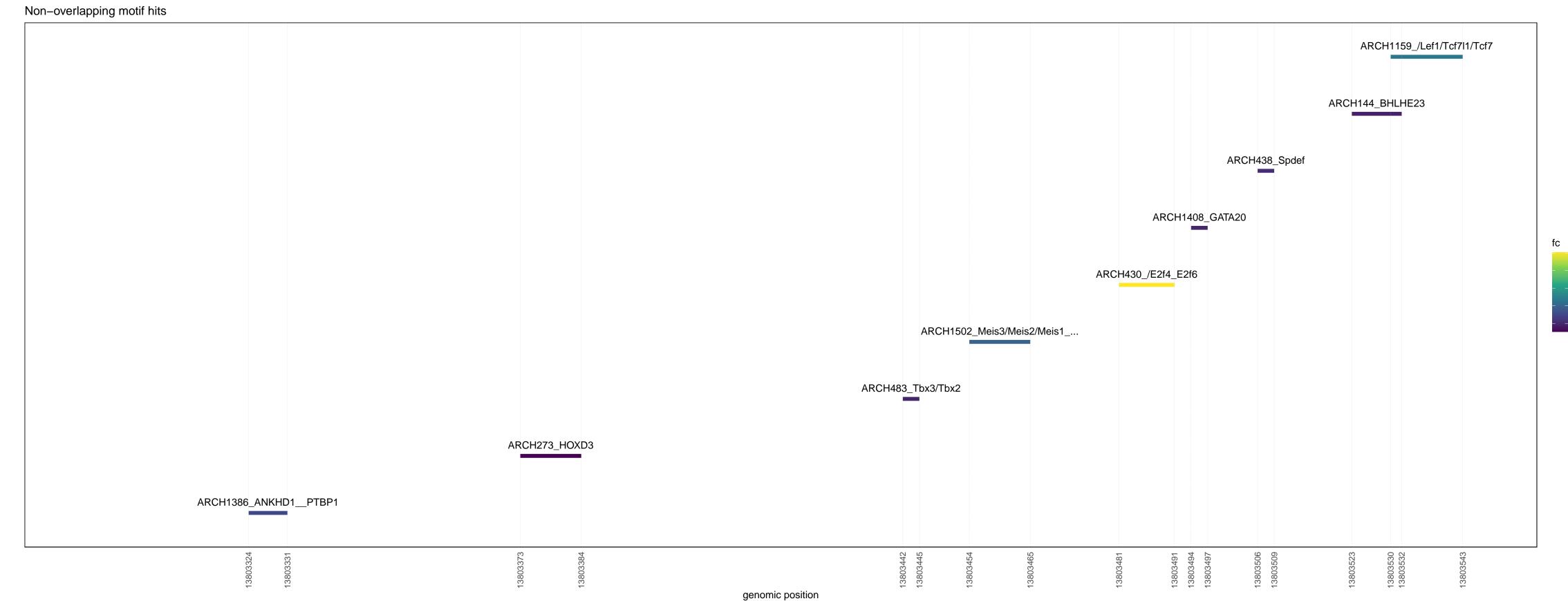


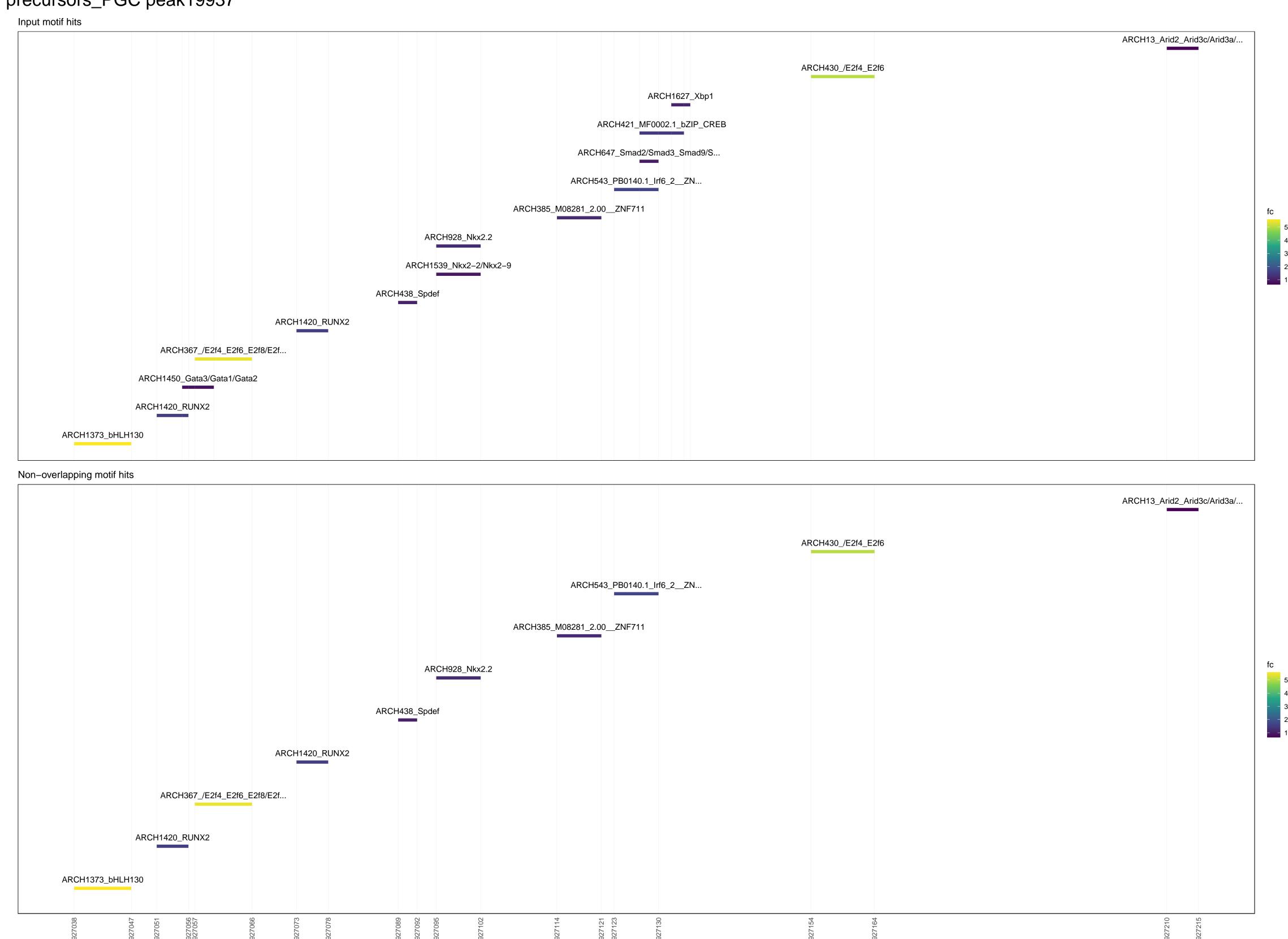






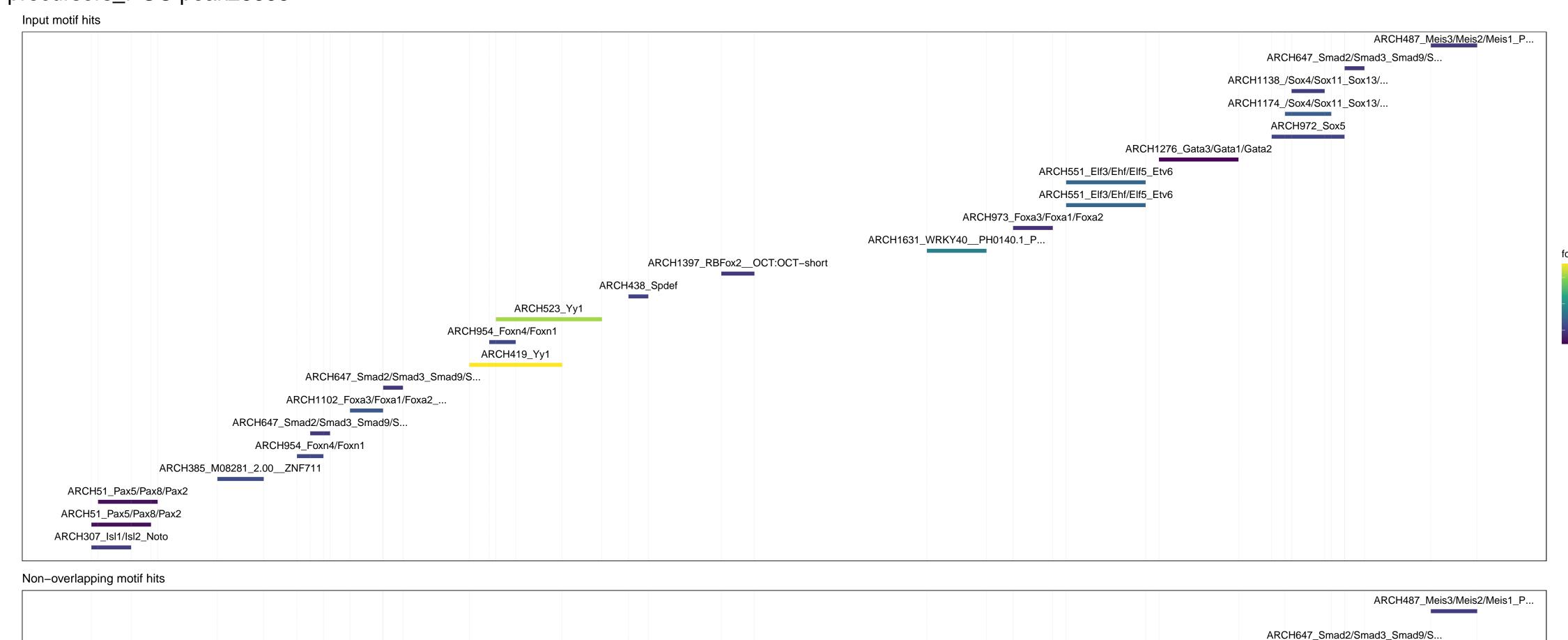


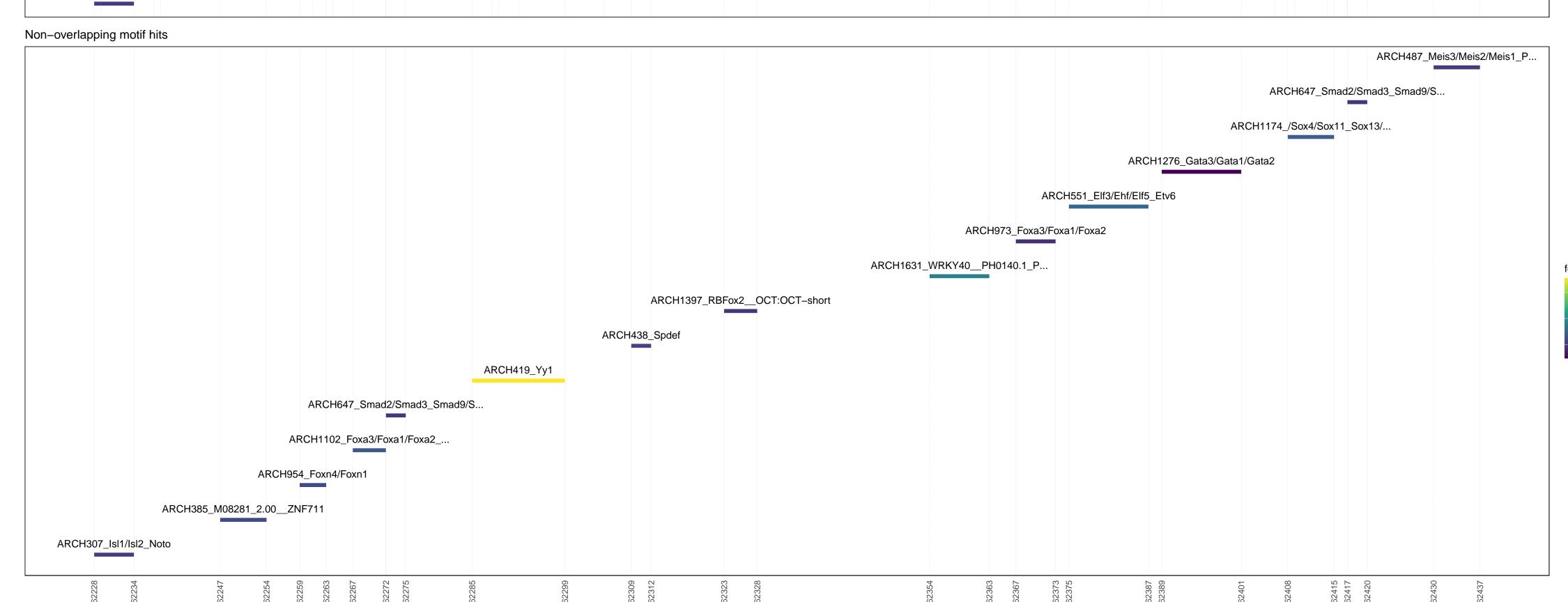


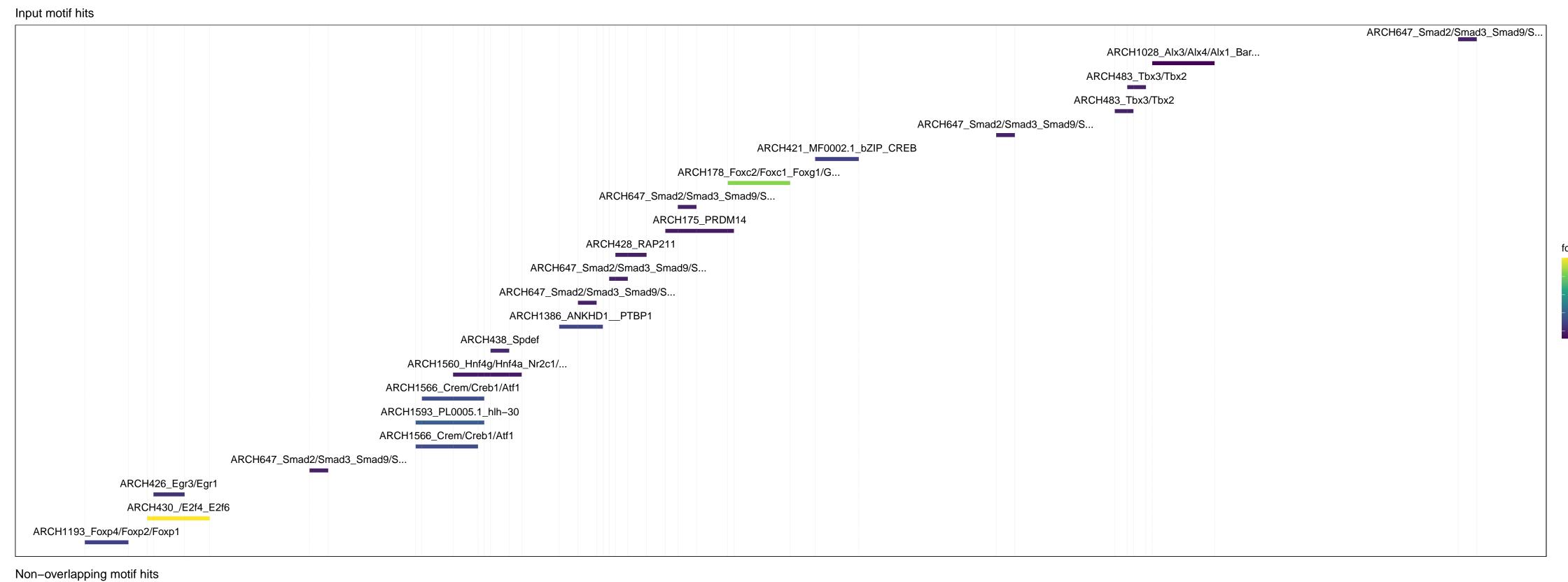


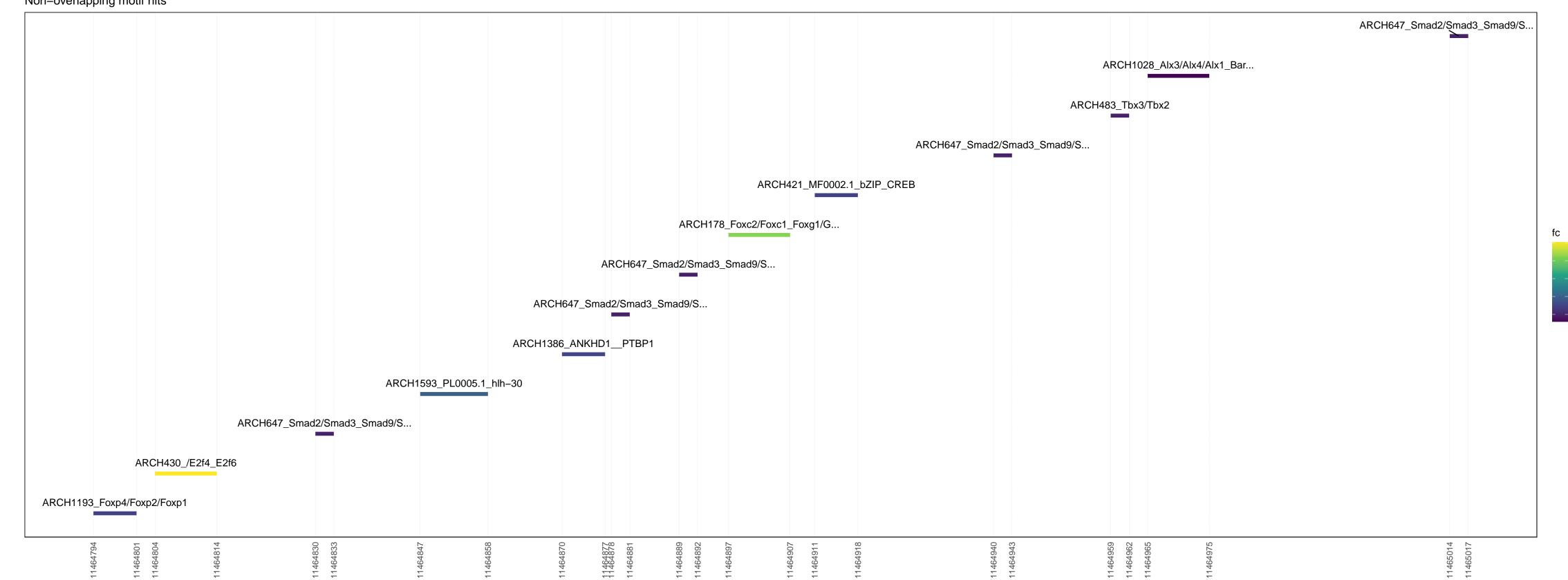
precursors_PGC peak107550 Input motif hits ARCH438_Spdef ARCH1170_/Sox4/Sox11_Sox13/... ARCH523_Yy1 ARCH1159_/Lef1/Tcf7I1/Tcf7 ARCH419_Yy1 ARCH1408_GATA20 ARCH1488_Klf11_Mybl2/Myb/Mybl1 ARCH1159_/Lef1/Tcf7l1/Tcf7 ARCH1356_PB0158.1_Rfx3_2__Z... ARCH377_Nrf1 ARCH438_Spdef ARCH647_Smad2/Smad3_Smad9/S... ARCH421_MF0002.1_bZIP_CREB ARCH1627_Xbp1 ARCH1566_Crem/Creb1/Atf1 ARCH248_Hoxa10/Hoxb9/Hoxc11... ARCH1547_FOXB1 ARCH1552_Pbx4/Pbx2/Pbx1 ARCH669_TCP17 Non-overlapping motif hits ARCH438_Spdef ARCH419_Yy1 ARCH1159_/Lef1/Tcf7l1/Tcf7 ARCH438_Spdef - 3.0 - 2.5 - 2.0 - 1.5 - 1.0 ARCH1566_Crem/Creb1/Atf1 ARCH248_Hoxa10/Hoxb9/Hoxc11... ARCH1552_Pbx4/Pbx2/Pbx1 ARCH669_TCP17

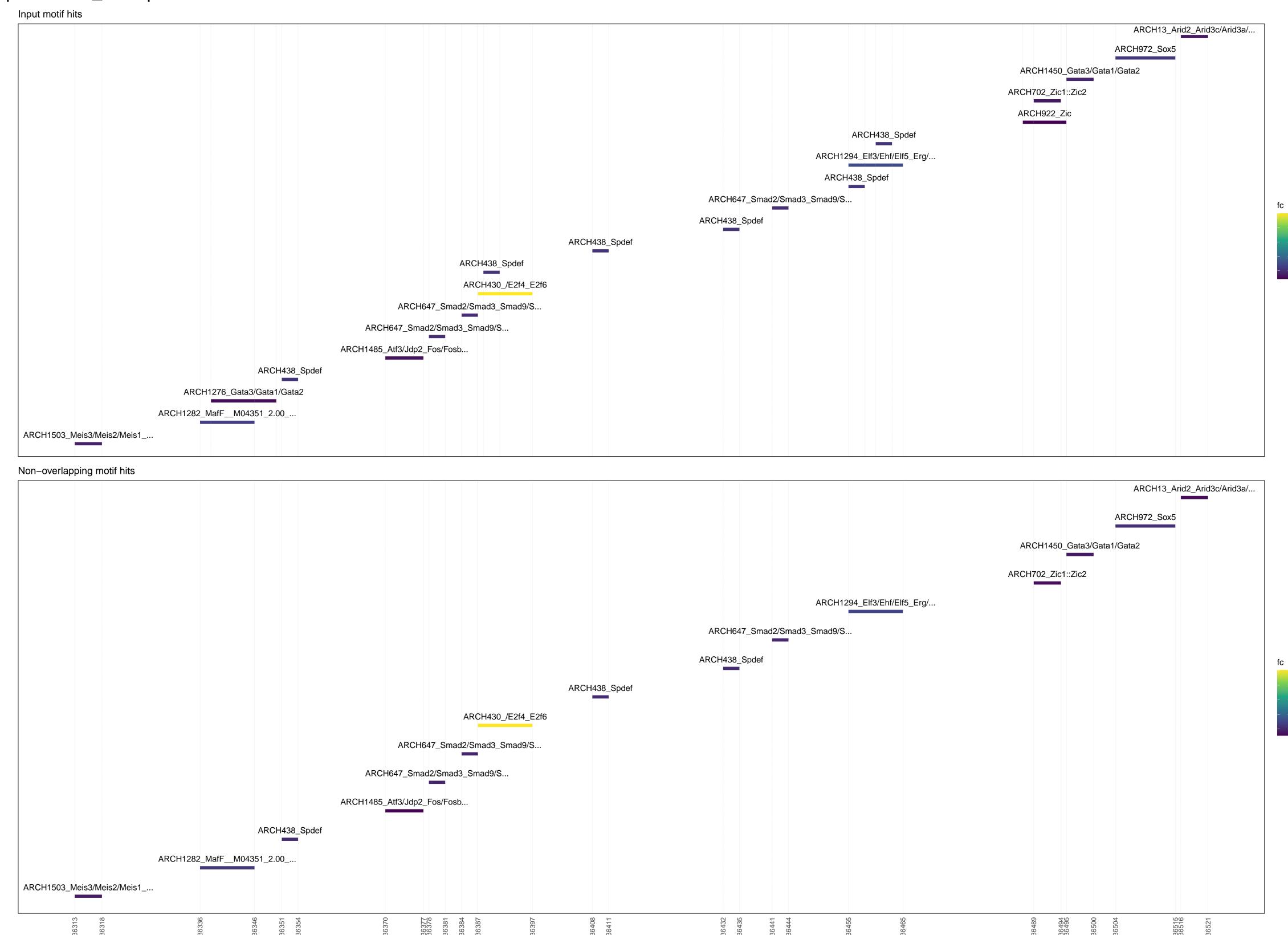




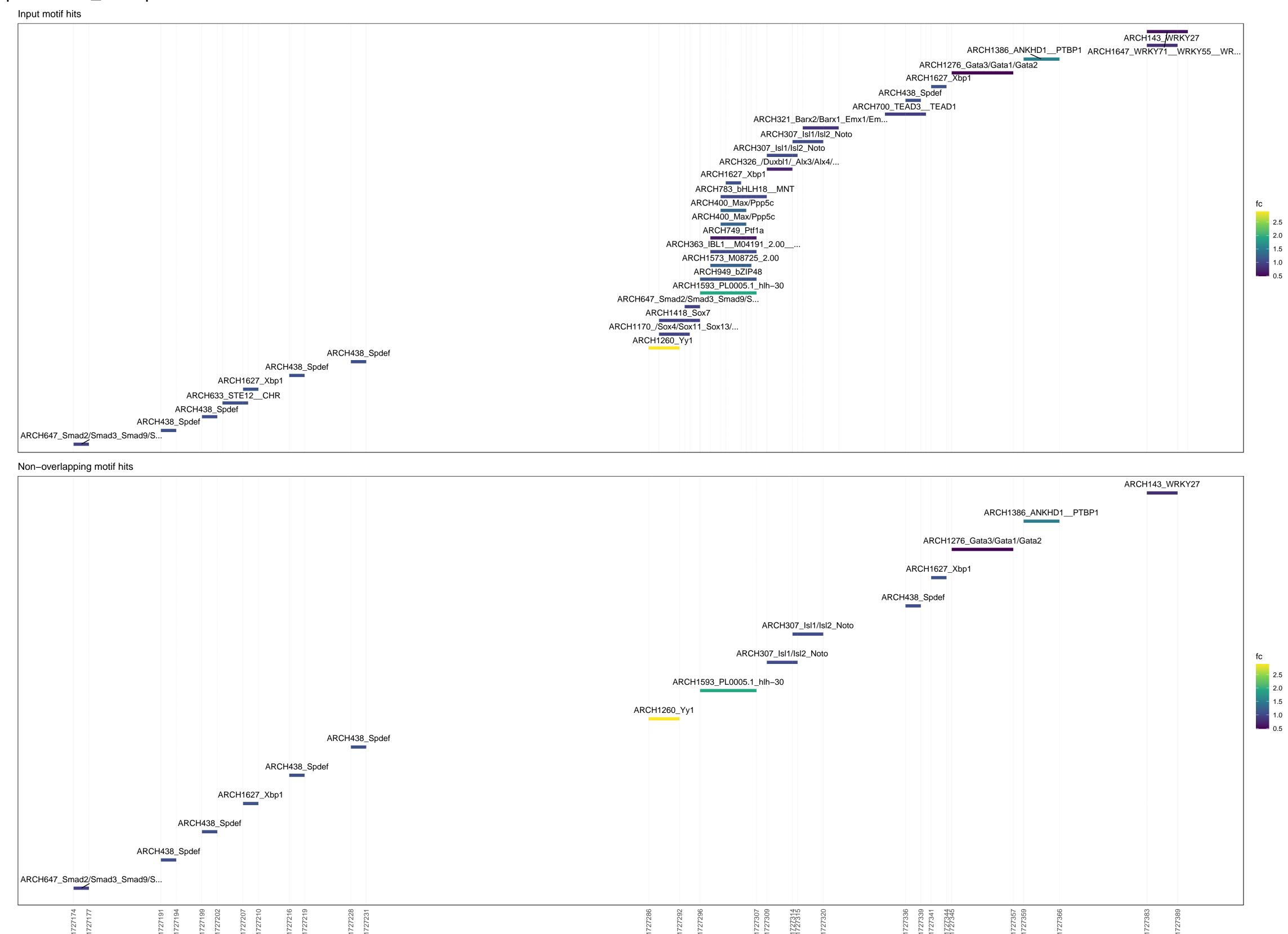






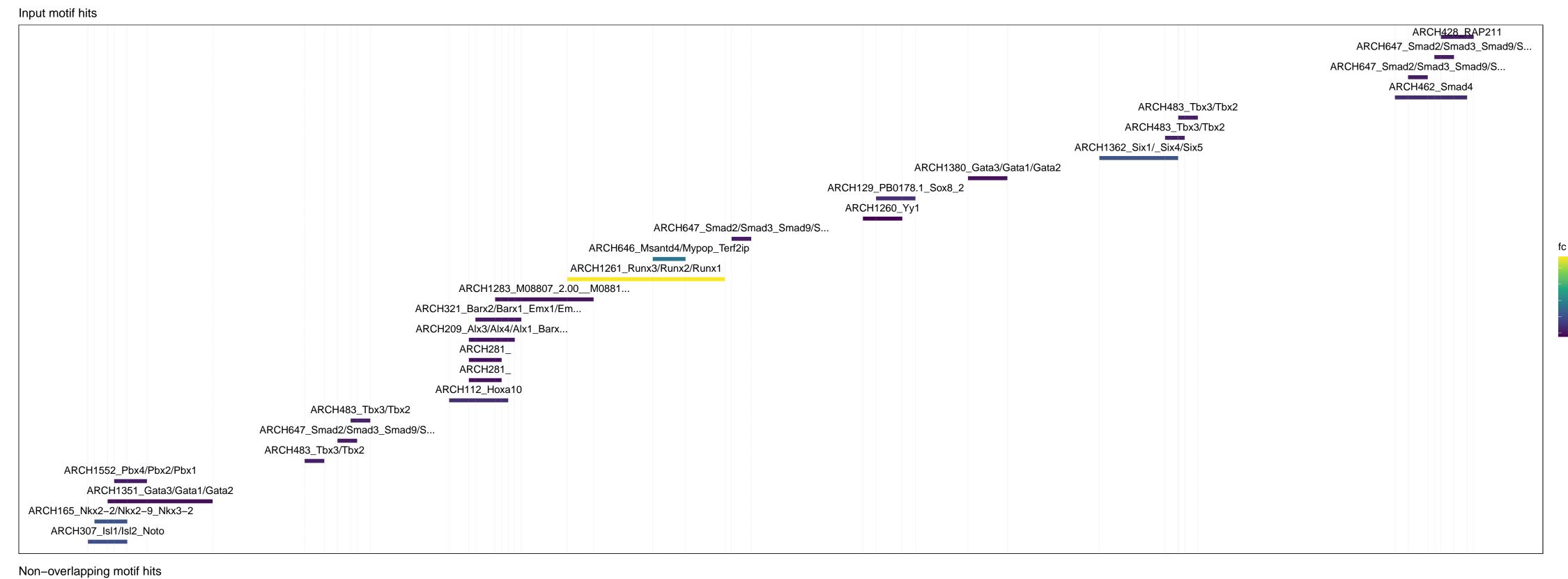


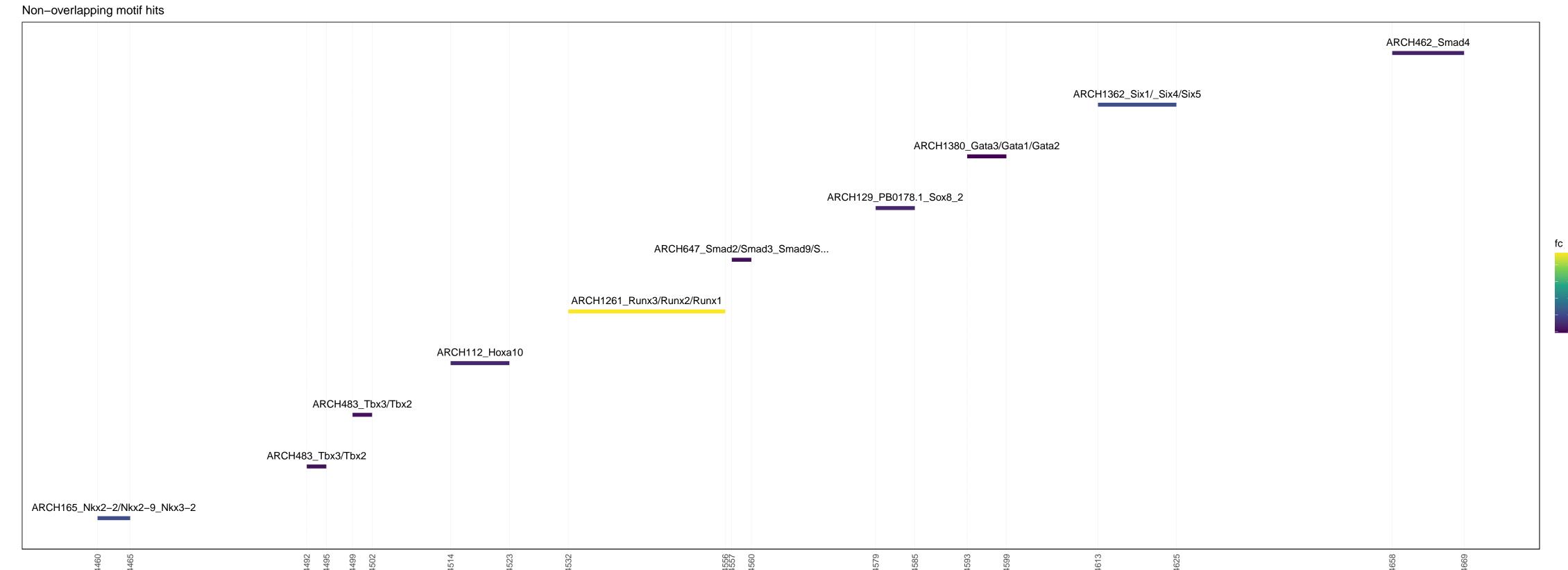




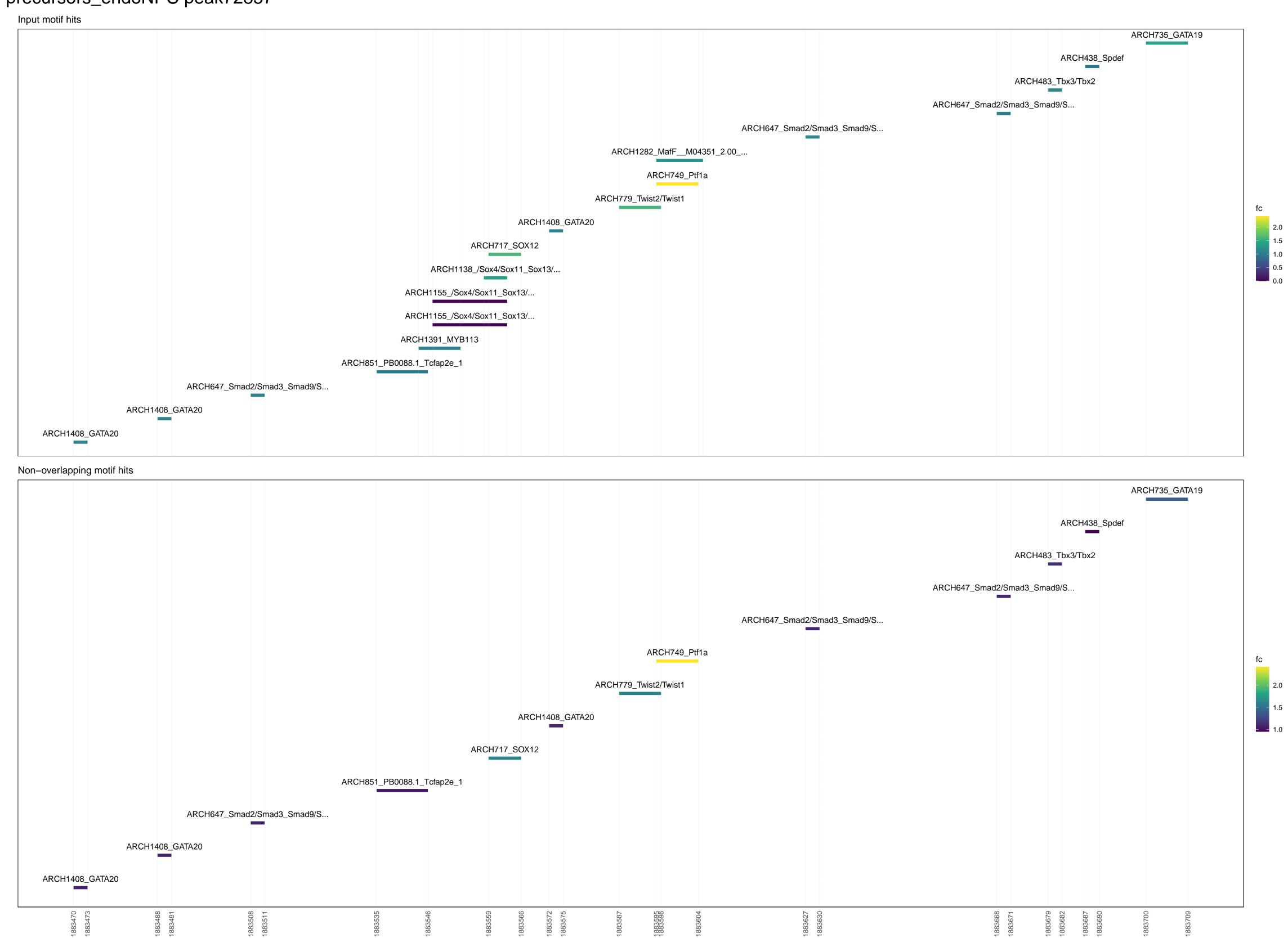
precursors_endoNPC peak97648 Input motif hits ARCH1138_/Sox4/Sox11_Sox13/... ARCH438_Spdef ARCH1174_/Sox4/Sox11_Sox13/... ARCH1418_Sox7 ARCH377_Nrf1 ARCH363_IBL1__M04191_2.00__.. ARCH363_IBL1__M04191_2.00__.. ARCH367_/E2f4_E2f6_E2f8/E2f... ARCH861_Scrt2/Scrt1 ARCH647_Smad2/Smad3_Smad9/S... ARCH1408_GATA20 ARCH716_/Sox4/Sox11_Sox13/S... ARCH1415_/Sox4/Sox11_Sox13/... ARCH1167_/Sox4/Sox11_Sox13/... ARCH383_/E2f4_E2f6 3.0 ARCH359_/E2f4_E2f6_Sp6/Sp5_... 2.5 ARCH973_Foxa3/Foxa1/Foxa2 - 2.0 - 1.5 ARCH379_RDS1__M06389_2.00 ARCH909_Egr3/Egr1 ARCH477_Ptf1a ARCH438_Spdef ARCH359_/E2f4_E2f6_Sp6/Sp5_... ARCH378_M00590_2.00__PB0095... ARCH367_/E2f4_E2f6_E2f8/E2f... ARCH1248_/E2f4_E2f6 ARCH383_/E2f4_E2f6 ARCH367_/E2f4_E2f6_E2f8/E2f... ARCH1408_GATA20 ARCH950_POU6F1 ARCH438_Spdef ARCH647_Smad2/Smad3_Smad9/S... ARCH438_Spdef Non-overlapping motif hits ARCH438_Spdef ARCH1418_Sox7 ARCH363_IBL1__M04191_2.00__... ARCH861_Scrt2/Scrt1 ARCH647_Smad2/Smad3_Smad9/S... ARCH1408_GATA20 ARCH1415_/Sox4/Sox11_Sox13/... ARCH973_Foxa3/Foxa1/Foxa2 2.5 2.0 ARCH379_RDS1__M06389_2.00 1.5 1.0 ARCH909_Egr3/Egr1 ARCH477_Ptf1a ARCH359_/E2f4_E2f6_Sp6/Sp5_... ARCH950_POU6F1 ARCH438_Spdef ARCH647_Smad2/Smad3_Smad9/S... ARCH438_Spdef

precursors_endoNPC peak6427





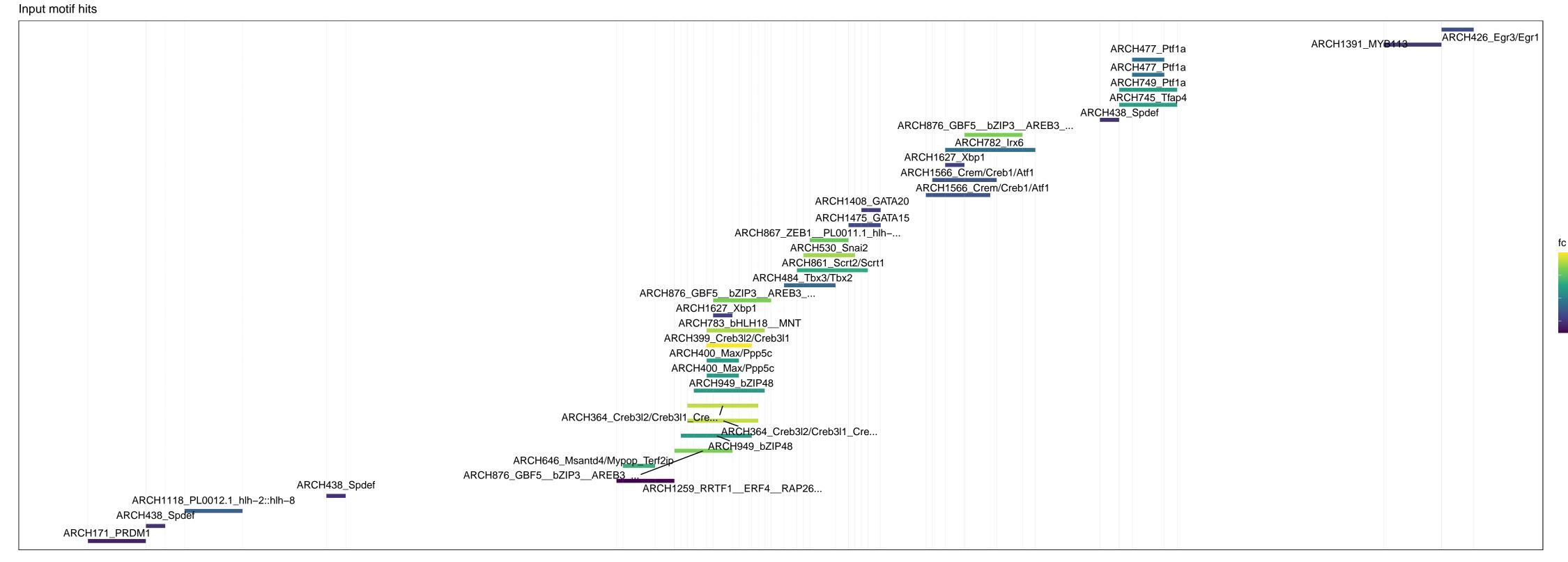
precursors_endoNPC peak72857

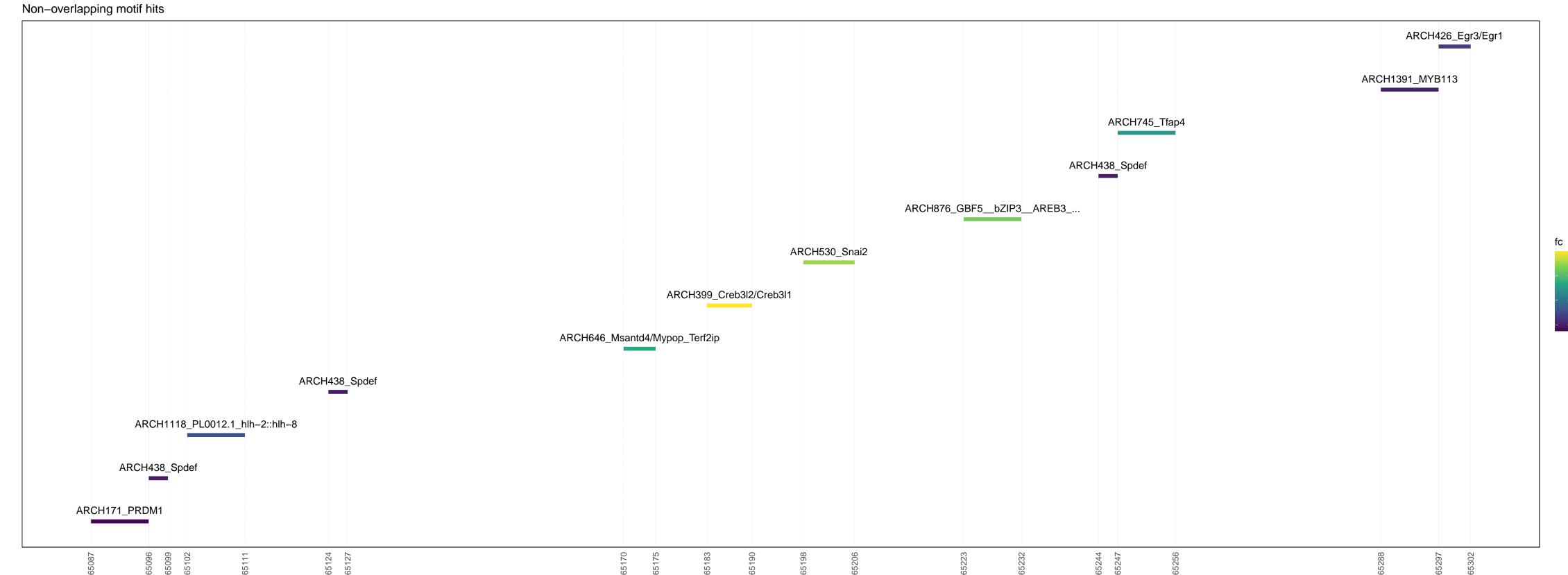


precursors_endoNPC peak20942 Input motif hits ARCH647_Smad2/Smad3_Smad9/S... ARCH647_Smad2/Smad3_Smad9/S... ARCH248_Hoxa10/Hoxb9/Hoxc11... ARCH56_POU4F1 ARCH483_Tbx3/Tbx2 ARCH112_Hoxa10 ARCH165_Nkx2-2/Nkx2-9_Nkx3-2 ARCH438_Spdef ARCH1420_RUNX2 ARCH647_Smad2/Smad3_Smad9/S... ARCH647_Smad2/Smad3_Smad9/S... ARCH483_Tbx3/Tbx2 ARCH1420_RUNX2 2.0 ARCH400_Max/Ppp5c 1.5 ARCH772_Twist2/Twist1 ARCH477_Ptf1a ARCH477_Ptf1a ARCH749_Ptf1a ARCH745_Tfap4 ARCH755_Hth__TBX15 ARCH1397_RBFox2__OCT:OCT-short ARCH1631_WRKY40__PH0140.1_P... ARCH1553_Meis3/Meis2/Meis1_... ARCH237_Arid2_Arid3c/Arid3a... ARCH1040_PB0066.1_Sox17_1 ARCH1503_Meis3/Meis2/Meis1_... Non-overlapping motif hits ARCH647_Smad2/Smad3_Smad9/S.. ARCH647_Smad2/Smad3_Smad9/S... ARCH248_Hoxa10/Hoxb9/Hoxc11... ARCH483_Tbx3/Tbx2 ARCH112_Hoxa10 ARCH165_Nkx2-2/Nkx2-9_Nkx3-2 ARCH438_Spdef ARCH1420_RUNX2 ARCH647_Smad2/Smad3_Smad9/S... 2.0 1.5 ARCH647_Smad2/Smad3_Smad9/S... 1.0 ARCH483_Tbx3/Tbx2 ARCH400_Max/Ppp5c ARCH745_Tfap4 ARCH1397_RBFox2__OCT:OCT-short ARCH1553_Meis3/Meis2/Meis1_... ARCH1040_PB0066.1_Sox17_1

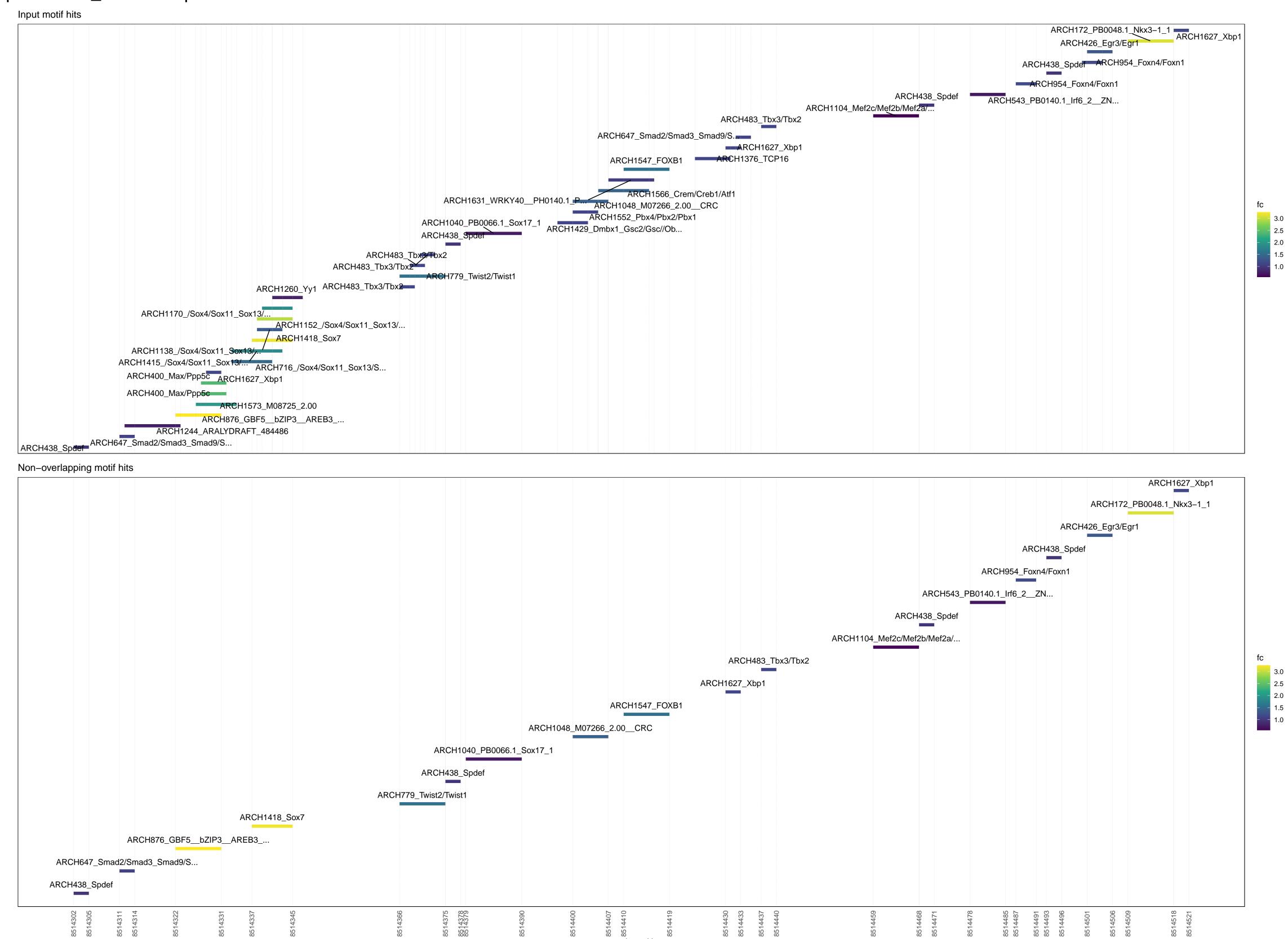
ARCH1503_Meis3/Meis2/Meis1_...

precursors_endoNPC peak106940





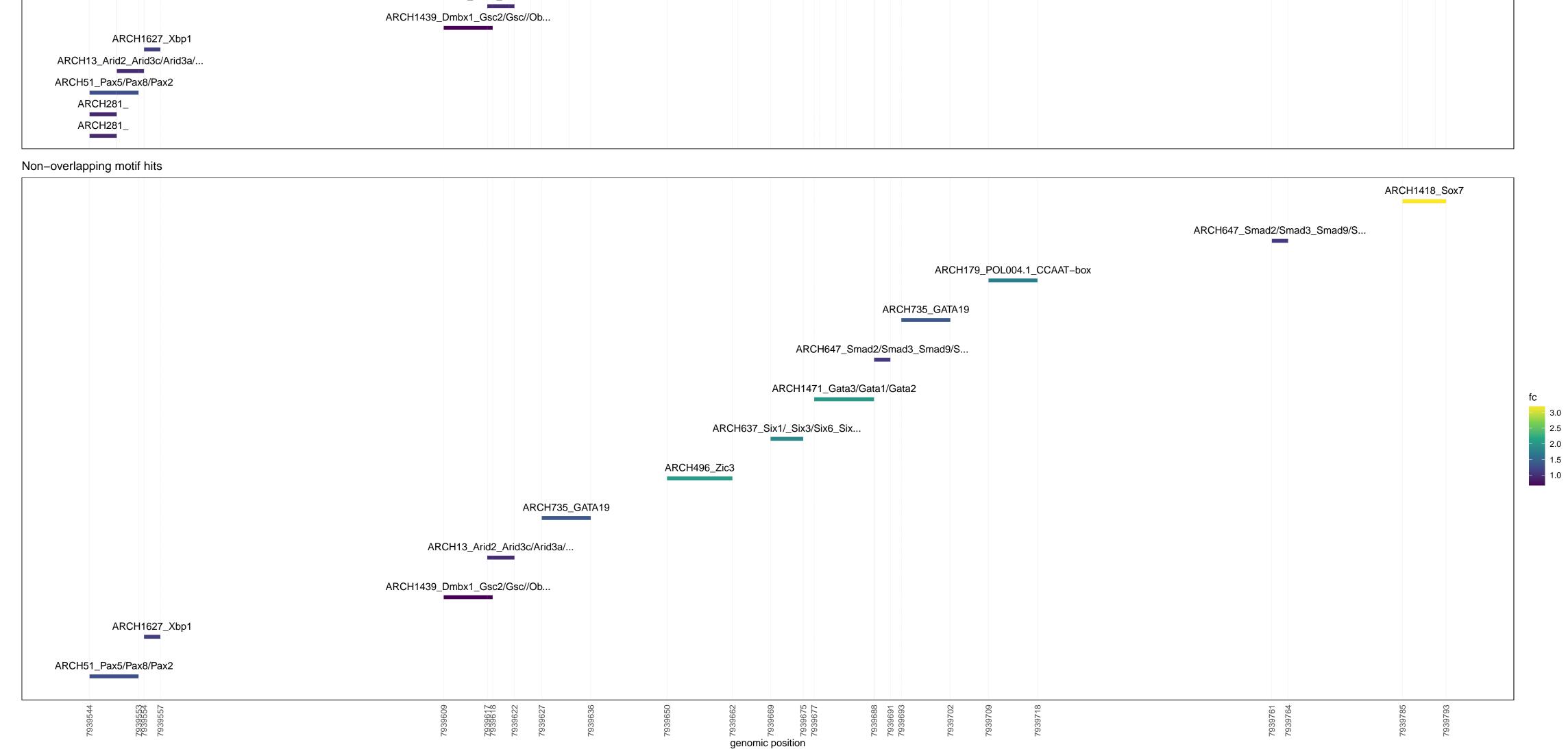
precursors_endoNPC peak33313



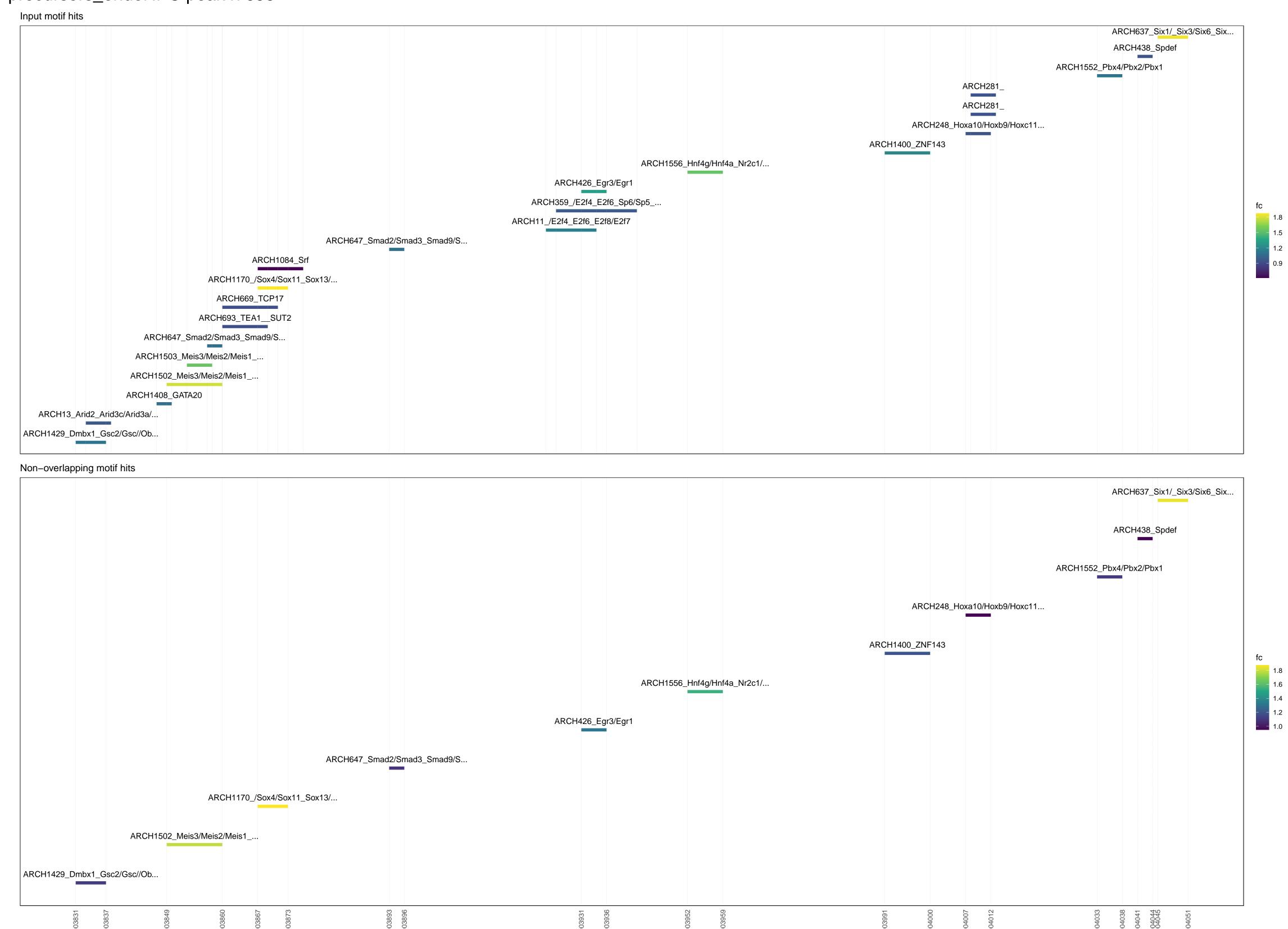
precursors_endoNPC peak104669 Input motif hits ARCH1152_/Sox4/Sox11_Sox13/... ARCH1138_/Sox4/Sox11_Sox13/... ARCH1418_Sox7 ARCH647_Smad2/Smad3_Smad9/S... ARCH179_POL004.1_CCAAT-box ARCH735_GATA19 ARCH647_Smad2/Smad3_Smad9/S... ARCH123_/Duxbl1/_/Duxbl1//A... ARCH1408_GATA20 ARCH1471_Gata3/Gata1/Gata2 ARCH1471_Gata3/Gata1/Gata2 ARCH637_Six1/_Six3/Six6_Six... ARCH353_M06062_2.00__M06468... ARCH496_Zic3 ARCH735_GATA19 ARCH1722_Nr2c1/Nr2c2_Nr2f1/... ARCH1560_Hnf4g/Hnf4a_Nr2c1/... ARCH13_Arid2_Arid3c/Arid3a/... ARCH1439_Dmbx1_Gsc2/Gsc//Ob.. ARCH1627_Xbp1

2.5

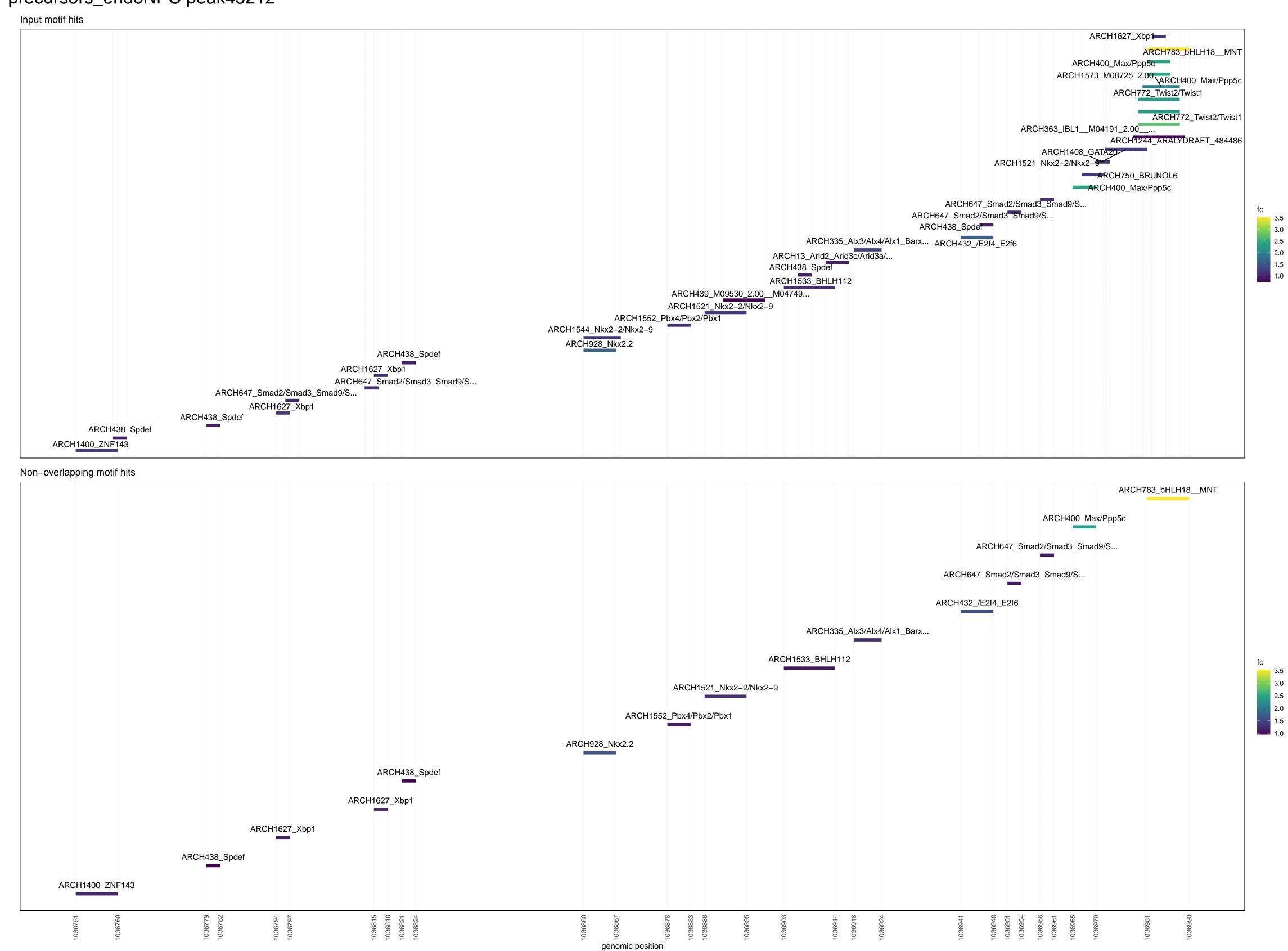
- 2.0 - 1.5



precursors_endoNPC peak47658



precursors_endoNPC peak45212



precursors_NPC peak24753 Input motif hits ARCH504_Pax5/Pax8/Pax2 ARCH1556_Hnf4g/Hnf4a_Nr2c1/... ARCH1627_Xbp1 ARCH1617_Crem/Creb1/Atf1 ARCH1617_Crem/Creb1/Atf1 ARCH1628_Crebl2 ARCH1628_Crebl2 ARCH1620_Atf3/Jdp2_Creb3l2/... ARCH1620_Atf3/Jdp2_Creb3l2/... ARCH1593_PL0005.1_hlh-30 ARCH400_Max/Ppp5c ARCH1573_M08725_2.00 ARCH1547_FOXB1 ARCH123_/Duxbl1/_/Duxbl1//A... ARCH129_PB0178.1_Sox8_2 ARCH1356_PB0158.1_Rfx3_2__Z... ARCH1544_Nkx2-2/Nkx2-9 ARCH129_PB0178.1_Sox8_2 ARCH1260_Yy1 ARCH394_/E2f4_E2f6_E2f8/E2f7 ARCH394_/E2f4_E2f6_E2f8/E2f7 ARCH425_/E2f4_E2f6 ARCH425_/E2f4_E2f6 ARCH1103_M09140_2.00__M0918... ARCH1138_/Sox4/Sox11_Sox13/... ARCH973_Foxa3/Foxa1/Foxa2 ARCH428_RAP211 ARCH483_Tbx3/Tbx2 ARCH779_Twist2/Twist1 ARCH647_Smad2/Smad3_Smad9/S...
ARCH307_Isl1/Isl2_Noto ARCH326_/Duxbl1/_Alx3/Alx4/... Non-overlapping motif hits ARCH504_Pax5/Pax8/Pax2 ARCH1556_Hnf4g/Hnf4a_Nr2c1/... ARCH400_Max/Ppp5c ARCH1547_FOXB1 ARCH123_/Duxbl1/_/Duxbl1//A... ARCH129_PB0178.1_Sox8_2 ARCH1356_PB0158.1_Rfx3_2_Z... ARCH129_PB0178.1_Sox8_2 ARCH394_/E2f4_E2f6_E2f8/E2f7 ARCH1103_M09140_2.00__M0918... ARCH1138_/Sox4/Sox11_Sox13/... ARCH483_Tbx3/Tbx2

3.0

2.5 2.0

- 1.5 - 1.0

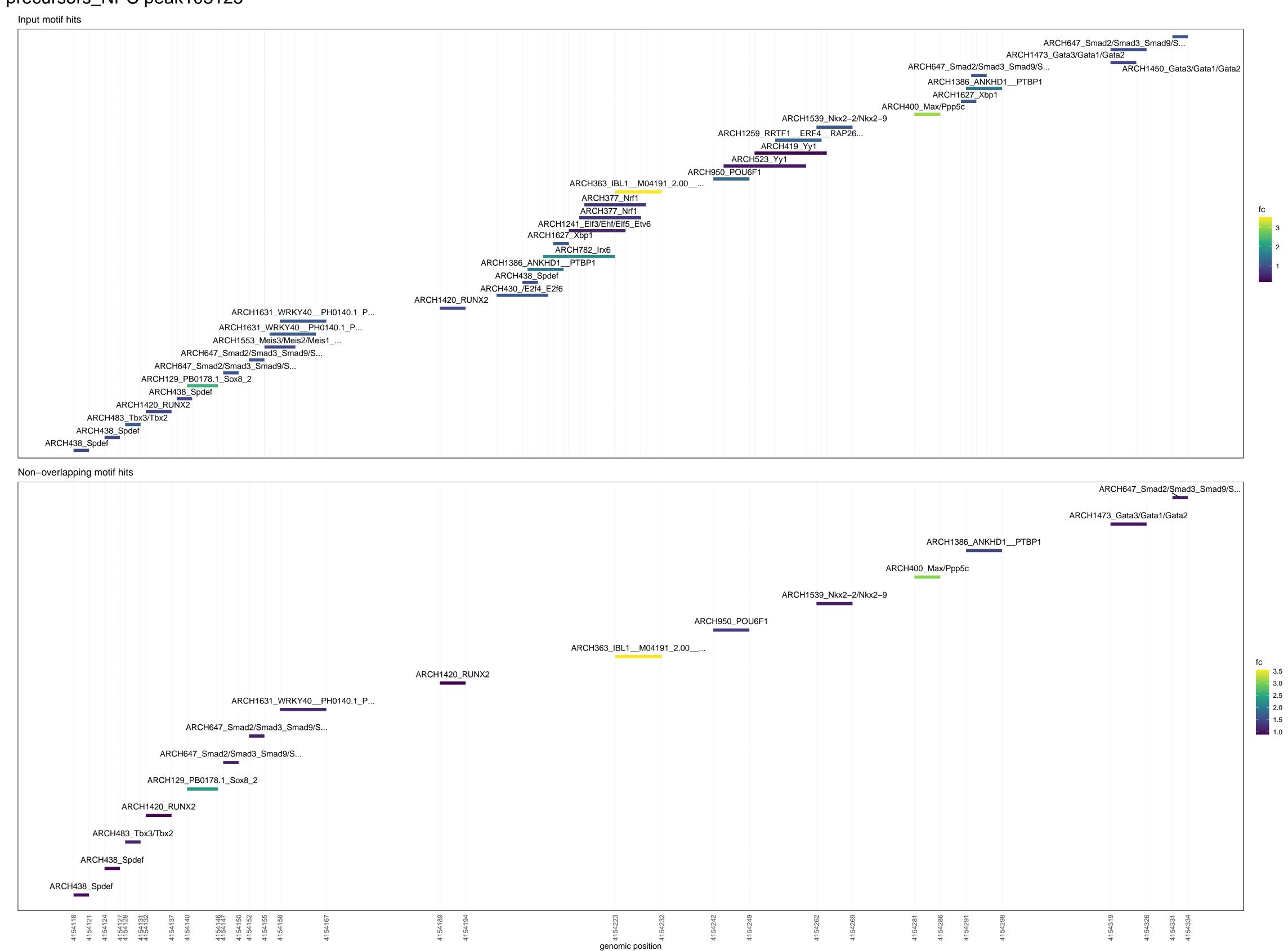
2.5

2.0

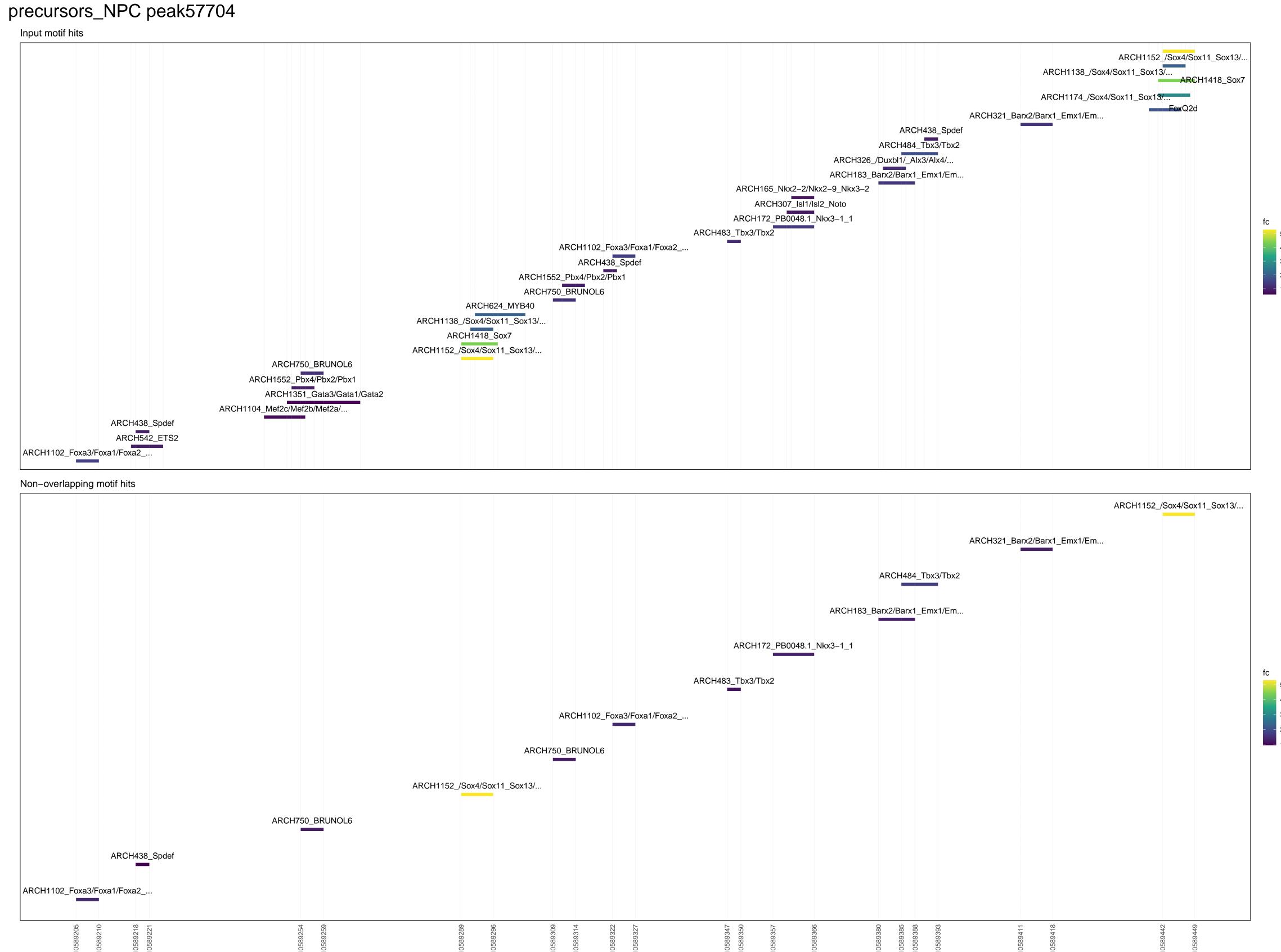
1.5

ARCH647_Smad2/Smad3_Smad9/S...

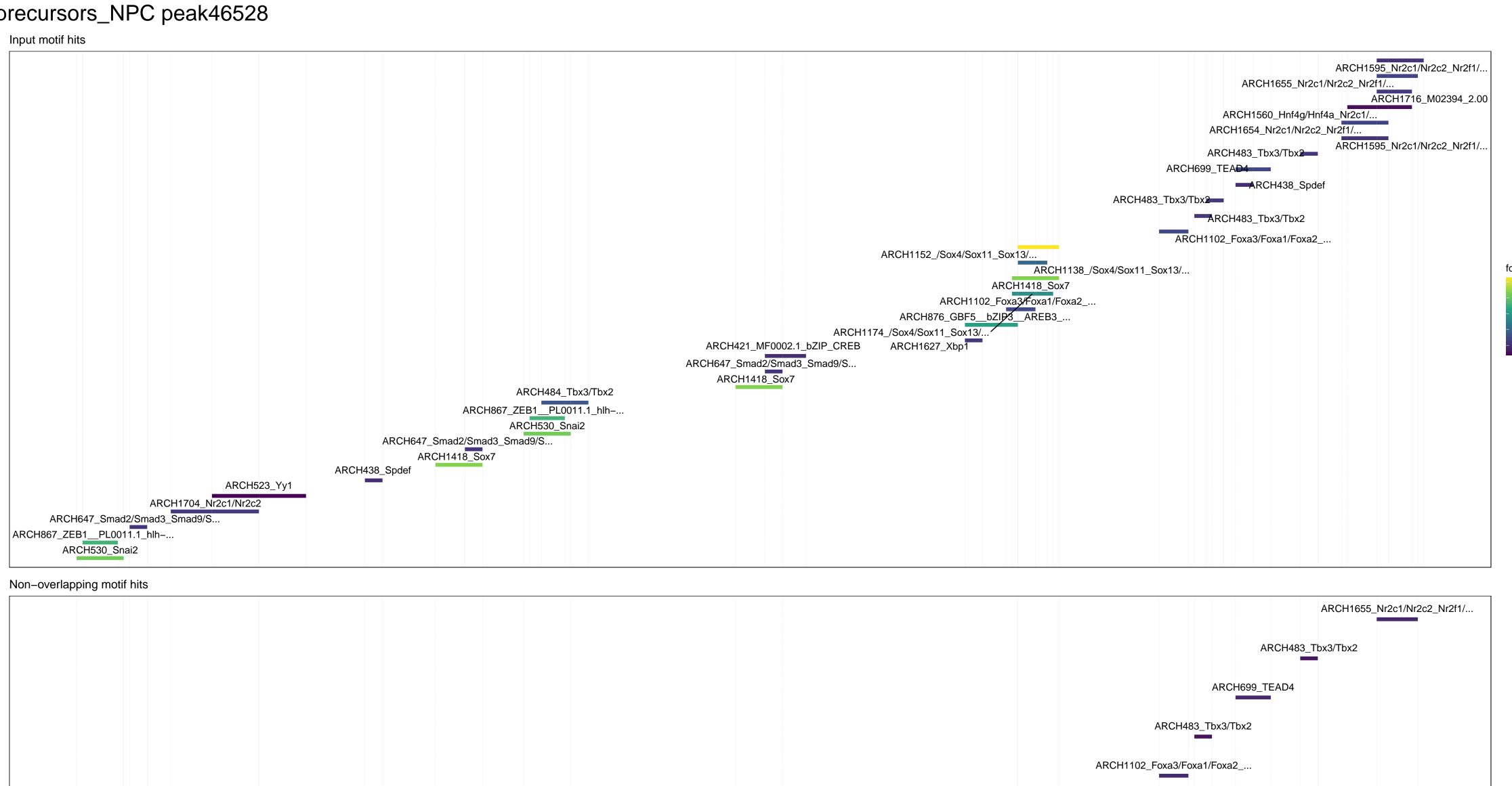
ARCH326_/Duxbl1/_Alx3/Alx4/...

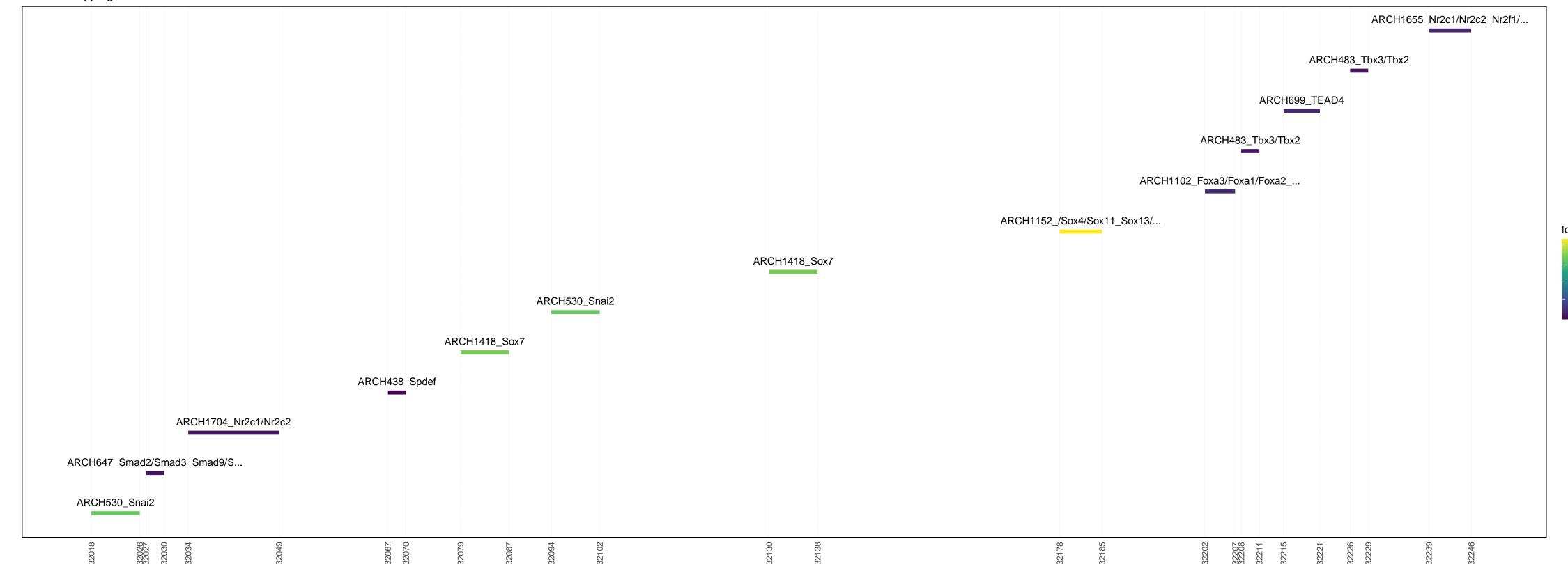


precursors_NPC peak59696 Input motif hits ARCH438_Spdef ARCH248_Hoxa10/Hoxb9/Hoxc11... ARCH321_Barx2/Barx1_Emx1/Em... ARCH209_Alx3/Alx4/Alx1_Barx... ARCH281_ ARCH281_ ARCH237_Arid2_Arid3c/Arid3a... ARCH13_Arid2_Arid3c/Arid3a/... ARCH1415_/Sox4/Sox11_Sox13/... ARCH1391_MYB113 ARCH1291_Fox:Ebox ARCH483_Tbx3/Tbx2 2.0 1.5 ARCH1397_RBFox2__OCT:OCT-short 1.0 ARCH1397_RBFox2__OCT:OCT-short 0.5 ARCH1103_M09140_2.00__M0918... ARCH419_Yy1 ARCH1716_M02394_2.00 ARCH1655_Nr2c1/Nr2c2_Nr2f1/... ARCH1595_Nr2c1/Nr2c2_Nr2f1/... ARCH1722_Nr2c1/Nr2c2_Nr2f1/... ARCH816_Pax7/Pax3 ARCH1697_Nr2c1/Nr2c2_Nr2f1/... ARCH1697_Nr2c1/Nr2c2_Nr2f1/... ARCH647_Smad2/Smad3_Smad9/S... Non-overlapping motif hits ARCH438_Spdef ARCH248_Hoxa10/Hoxb9/Hoxc11... ARCH321_Barx2/Barx1_Emx1/Em... ARCH1415_/Sox4/Sox11_Sox13/... ARCH483_Tbx3/Tbx2 2.0 ARCH1397_RBFox2__OCT:OCT-short 1.5 1.0 0.5 ARCH1103_M09140_2.00__M0918... ARCH419_Yy1 ARCH1655_Nr2c1/Nr2c2_Nr2f1/... ARCH1697_Nr2c1/Nr2c2_Nr2f1/... ARCH647_Smad2/Smad3_Smad9/S...



precursors_NPC peak46528 Input motif hits



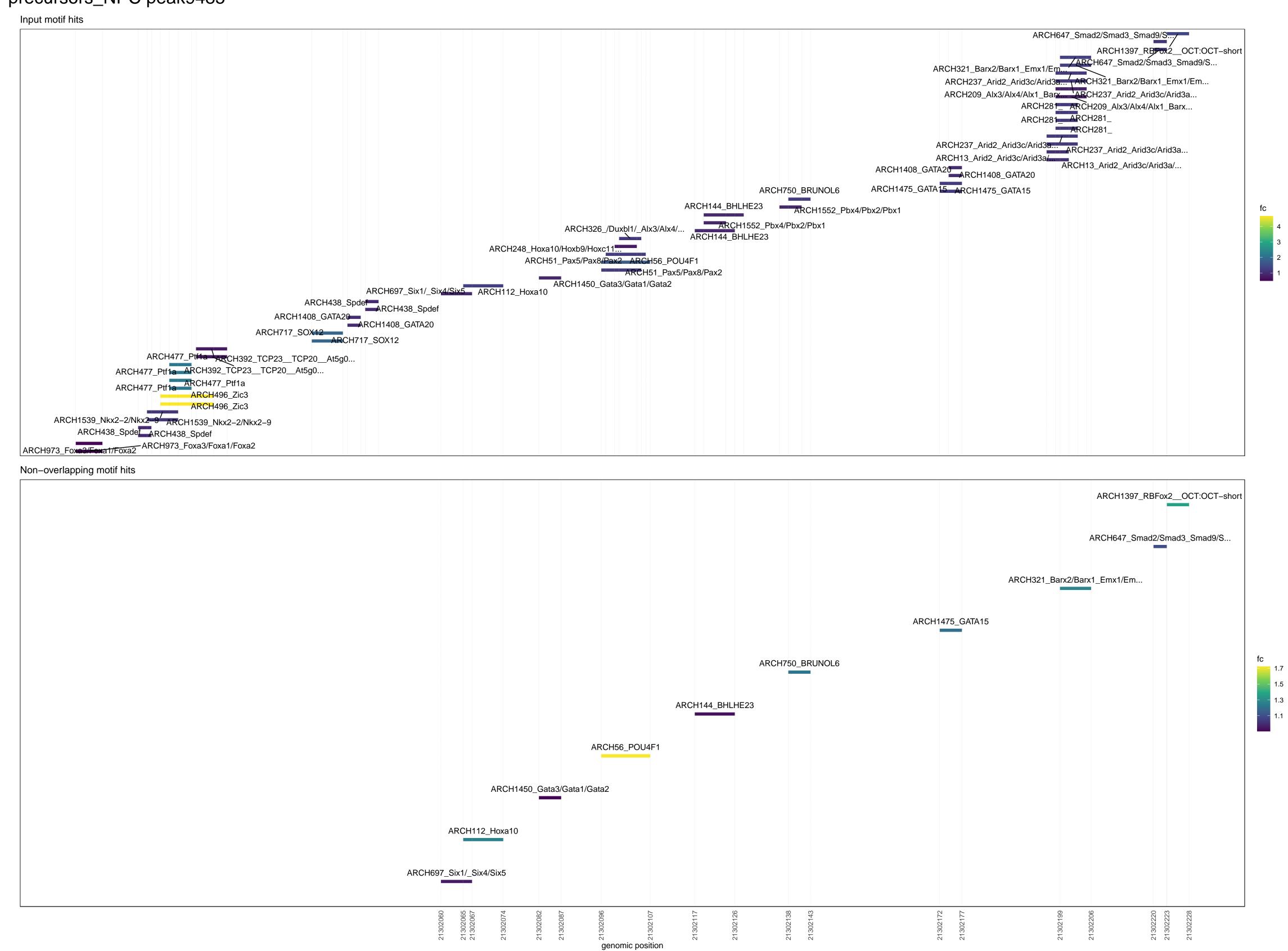


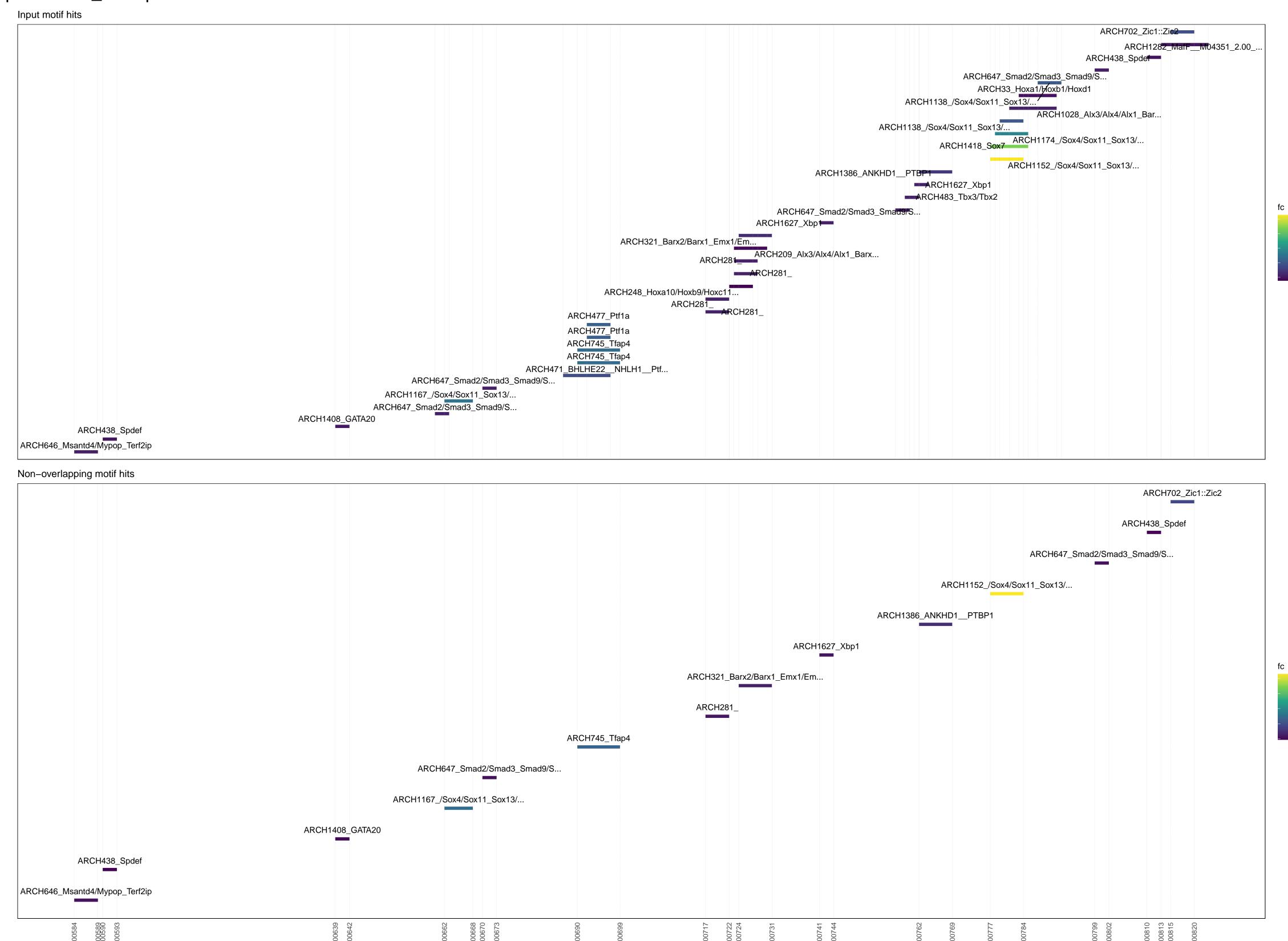
precursors_NPC peak40263 Input motif hits ARCH647_Smad2/Smad3_Smad9/S.. ARCH1627_Xbp1 ARCH1138_/Sox4/Sox11_Sox13/... ARCH1174_/Sox4/Sox11_Sox13/... ARCH1152_/Sox4/Sox11_Sox13/... ARCH1178_/Sox4/Sox11_Foxd2/... ARCH1408_GATA20 ARCH1167_/Sox4/Sox11_Sox13/... ARCH1167_/Sox4/Sox11_Sox13/... ARCH1420_RUNX2 ARCH647_Smad2/Smad3_Smad9/S... ARCH144_BHLHE23 ARCH143_WRKY27 ARCH1103_M09140_2.00__M0918... ARCH477_Ptf1a ARCH477_Ptf1a ARCH749_Ptf1a ARCH745_Tfap4 ARCH873_Pax5/Pax8/Pax2 ARCH13_Arid2_Arid3c/Arid3a/... ARCH103_Hnf1a/Hnf1b ARCH56_POU4F1 ARCH1103_M09140_2.00__M0918... Non-overlapping motif hits ARCH647_Smad2/Smad3_Smad9/S.. ARCH1627_Xbp1 ARCH1152_/Sox4/Sox11_Sox13/... ARCH1408_GATA20 ARCH1167_/Sox4/Sox11_Sox13/... ARCH1167_/Sox4/Sox11_Sox13/... ARCH1420_RUNX2 ARCH647_Smad2/Smad3_Smad9/S... ARCH143_WRKY27 ARCH1103_M09140_2.00__M0918... ARCH745_Tfap4

ARCH873_Pax5/Pax8/Pax2

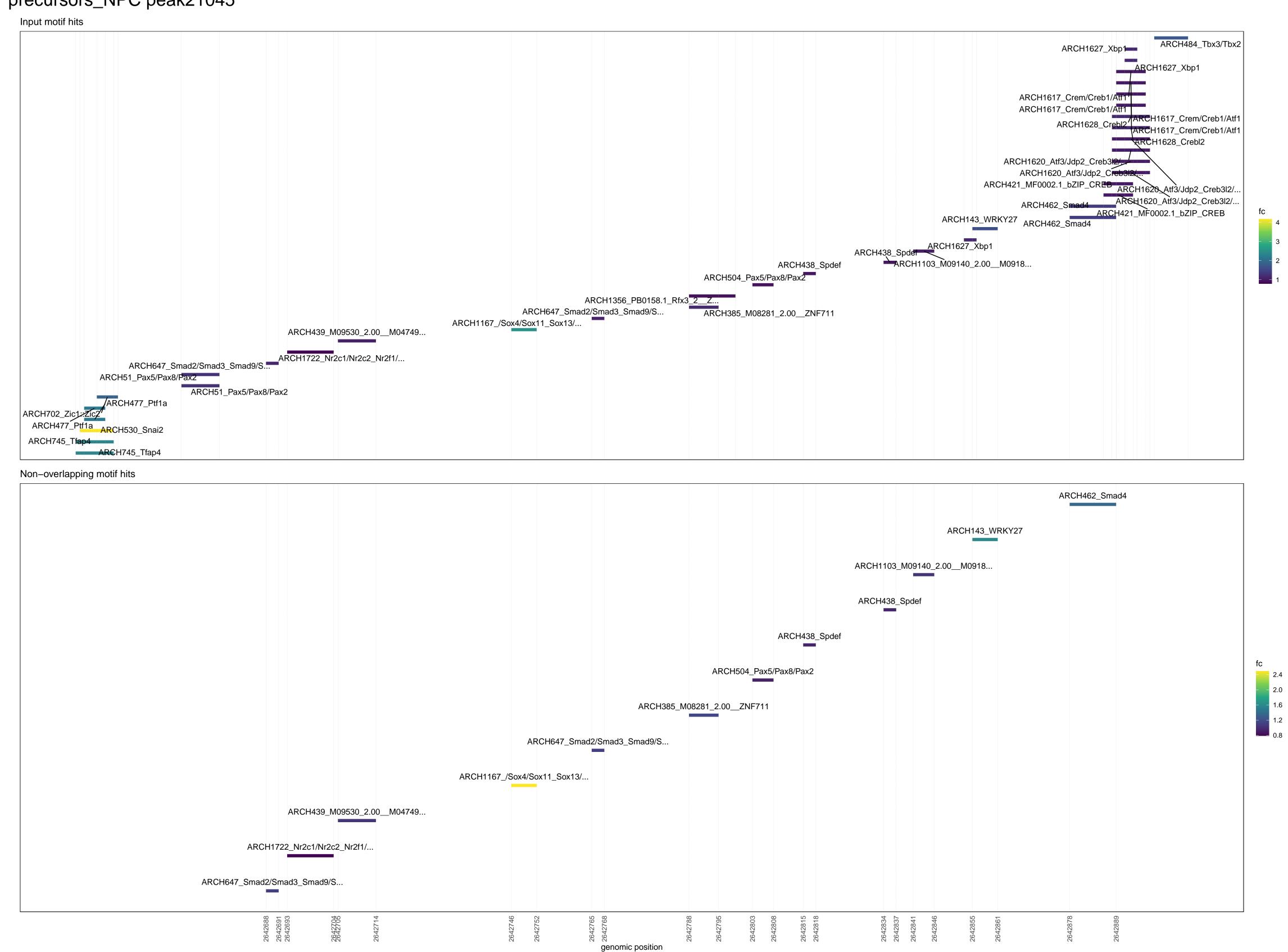
ARCH56_POU4F1

precursors_NPC peak9485

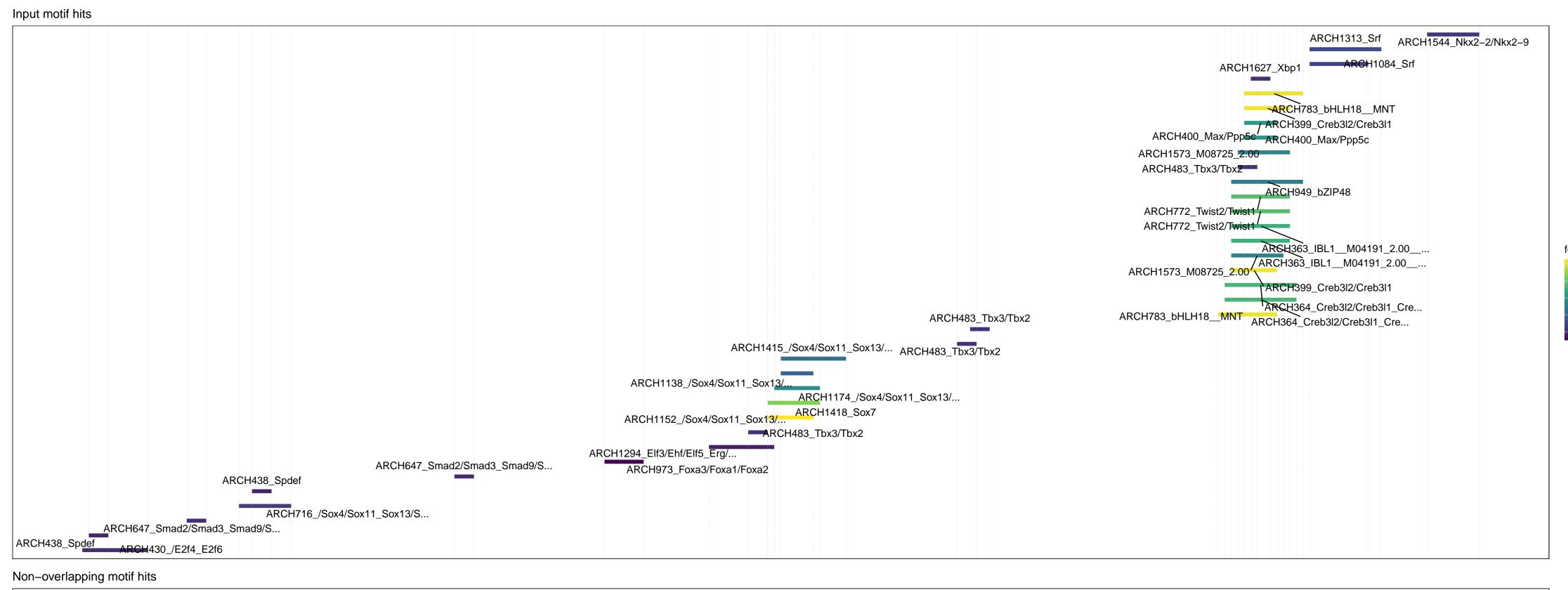


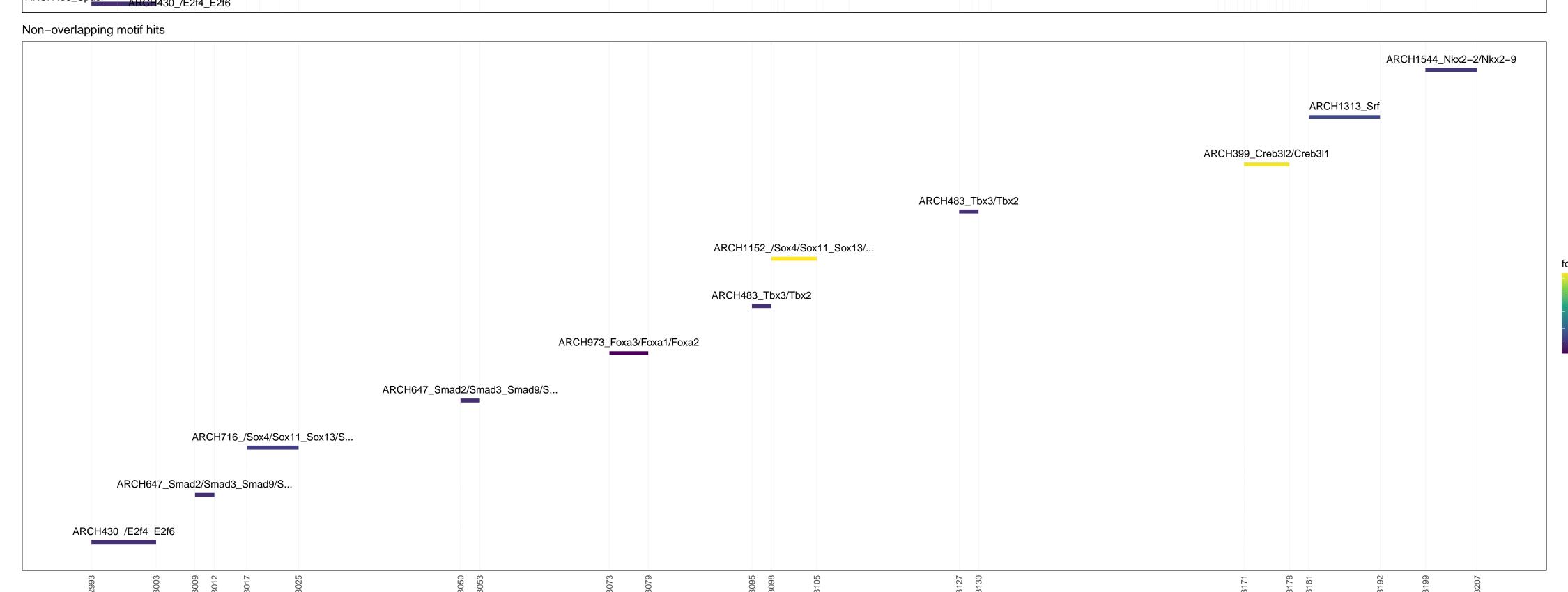


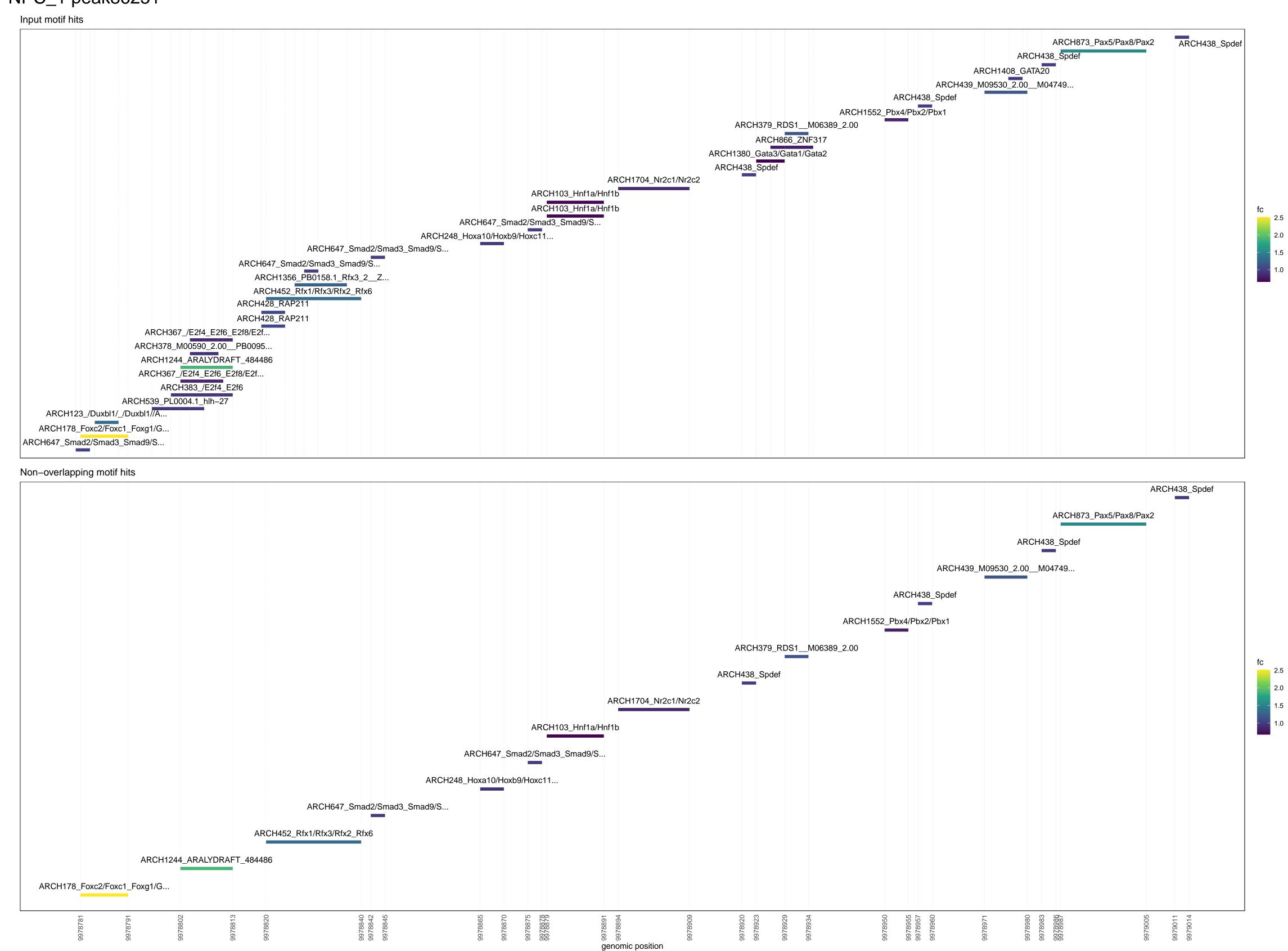
precursors_NPC peak21045

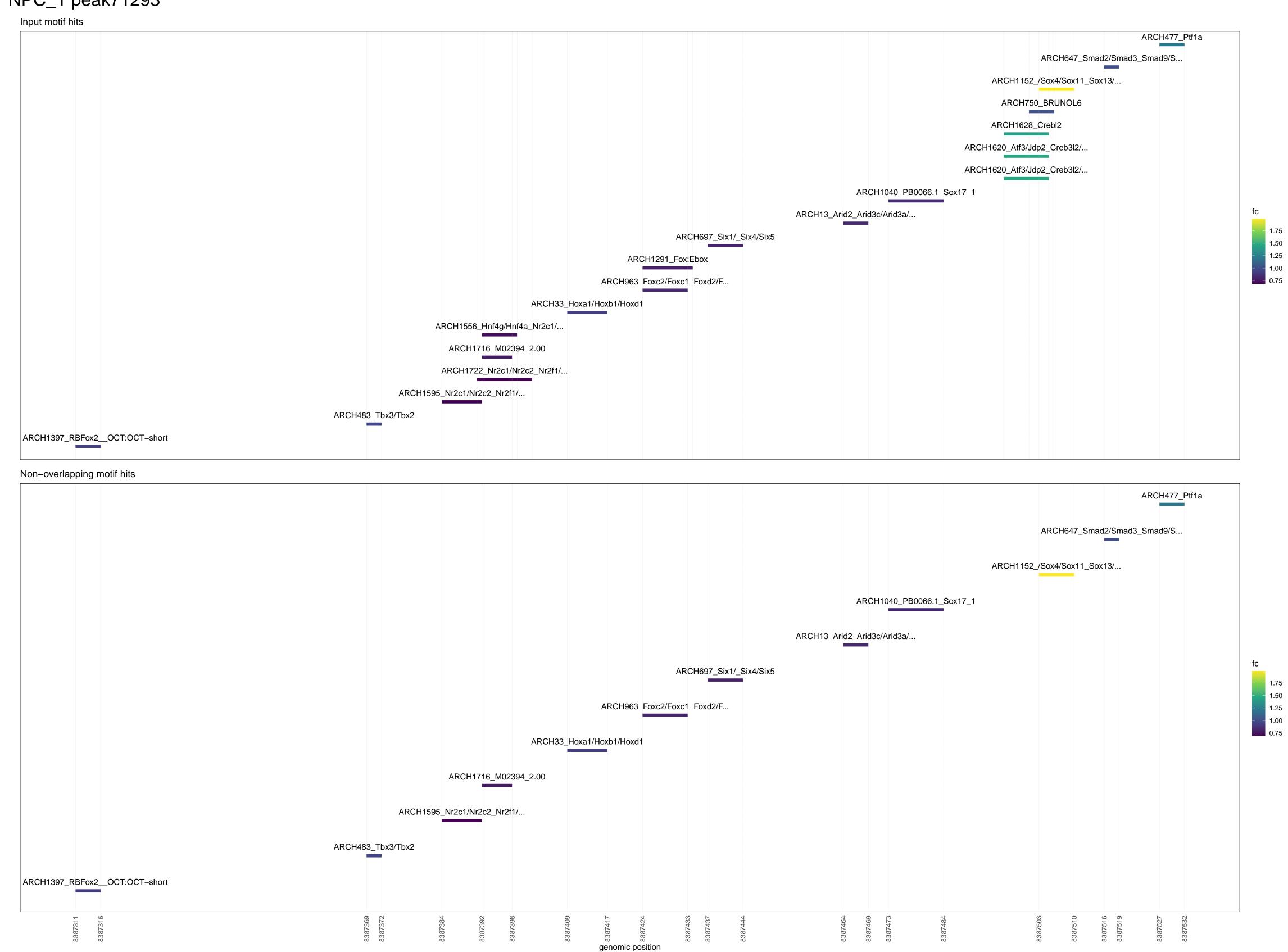


precursors_NPC peak65158

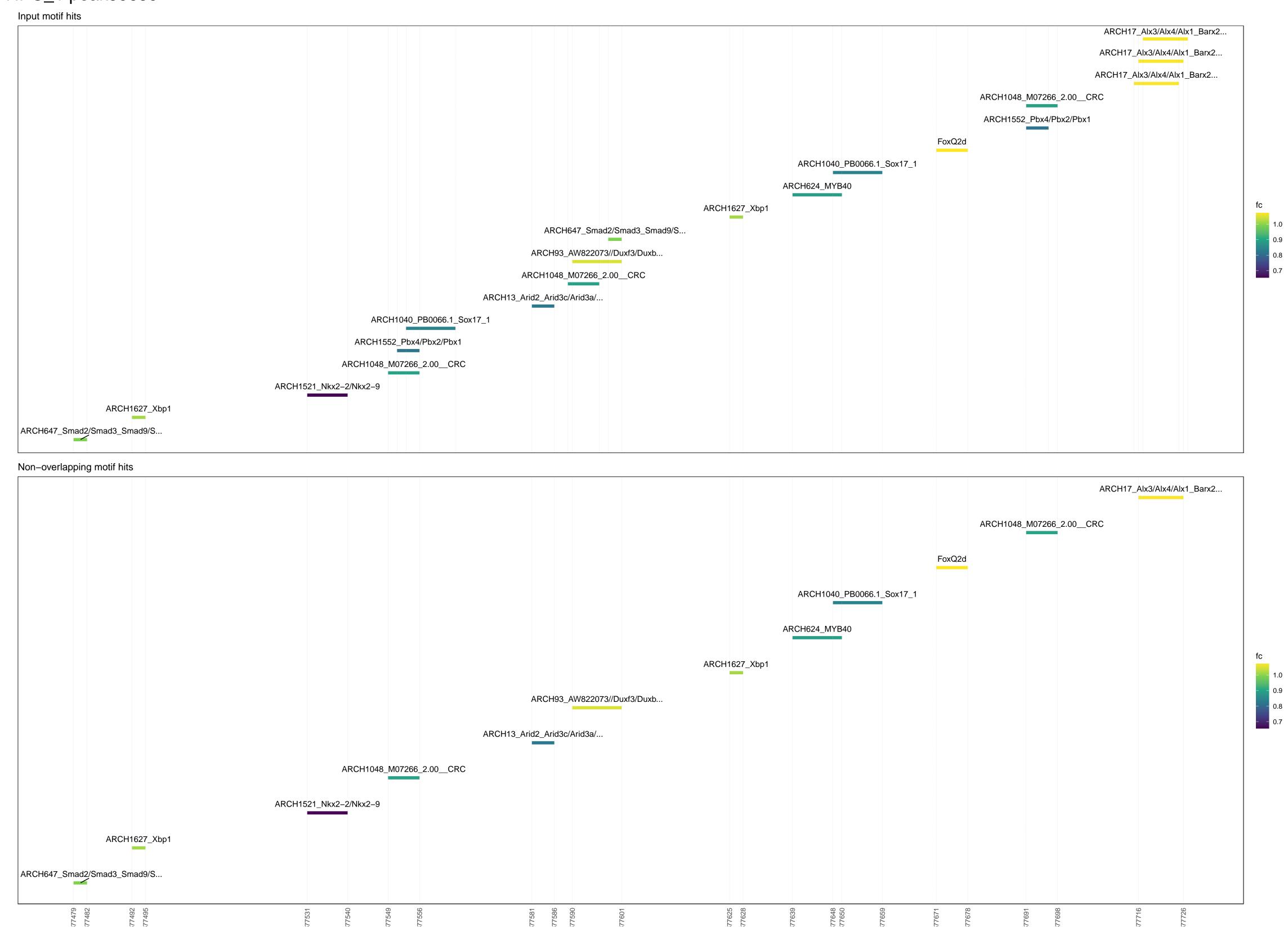


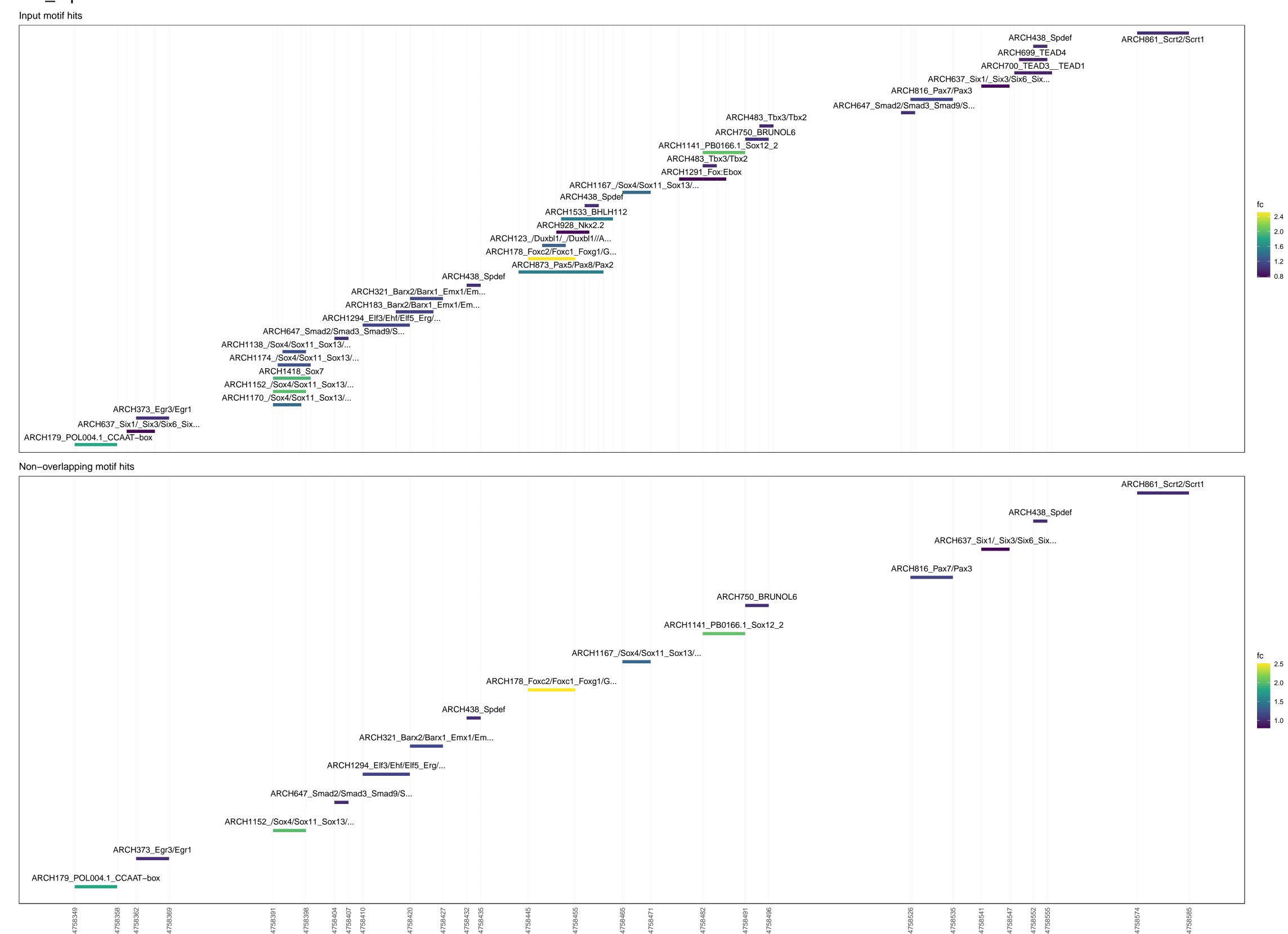


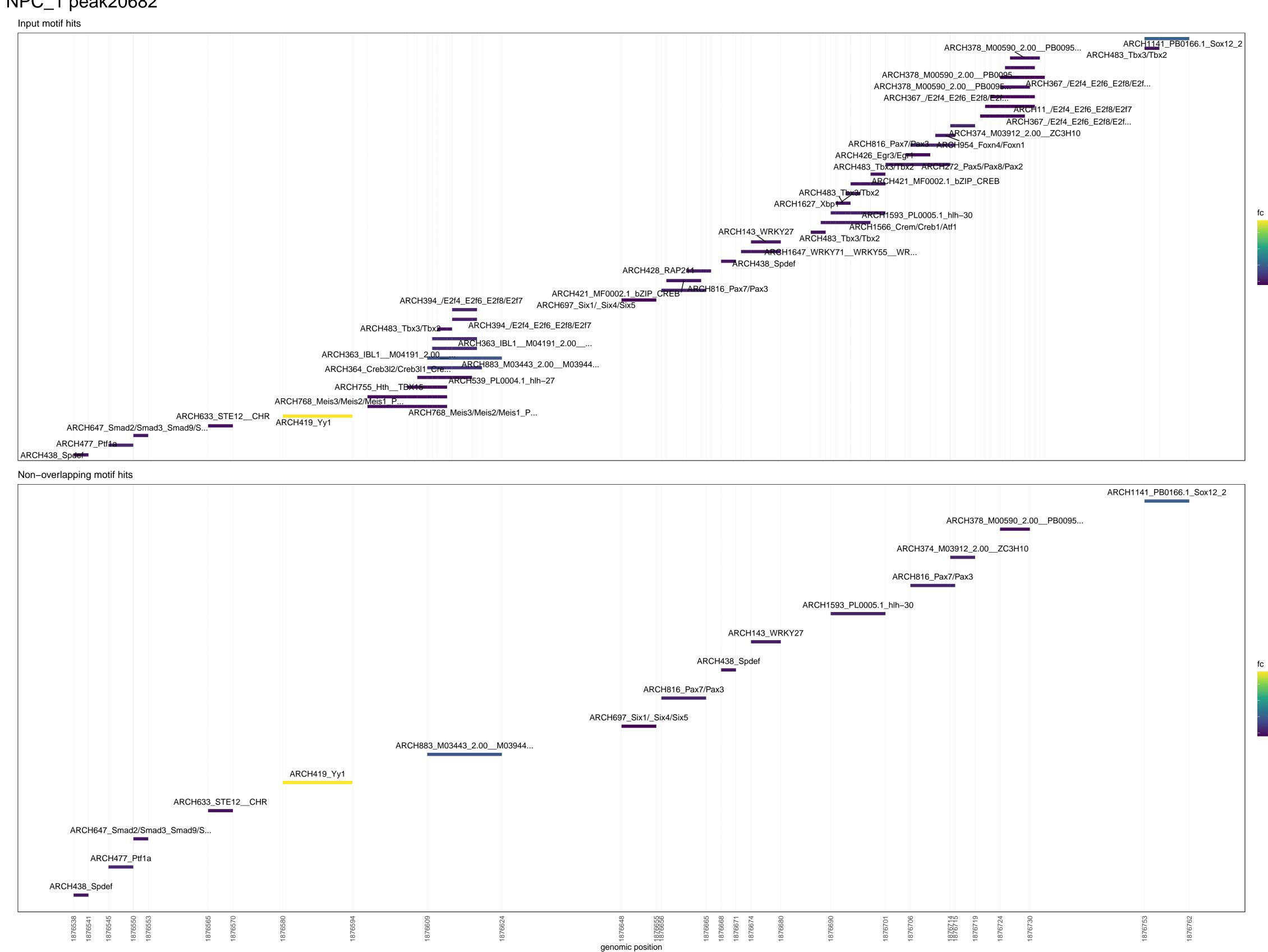


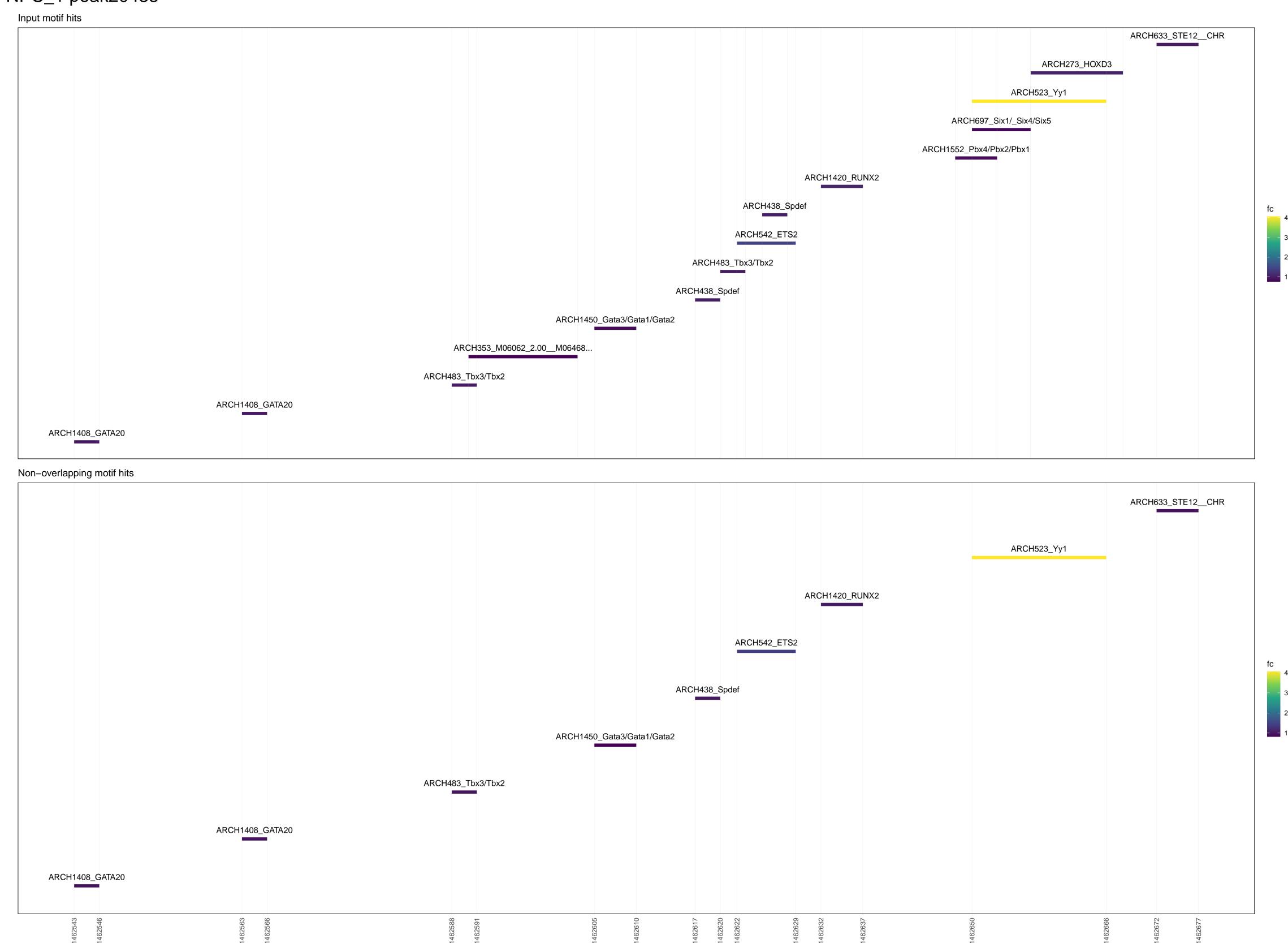


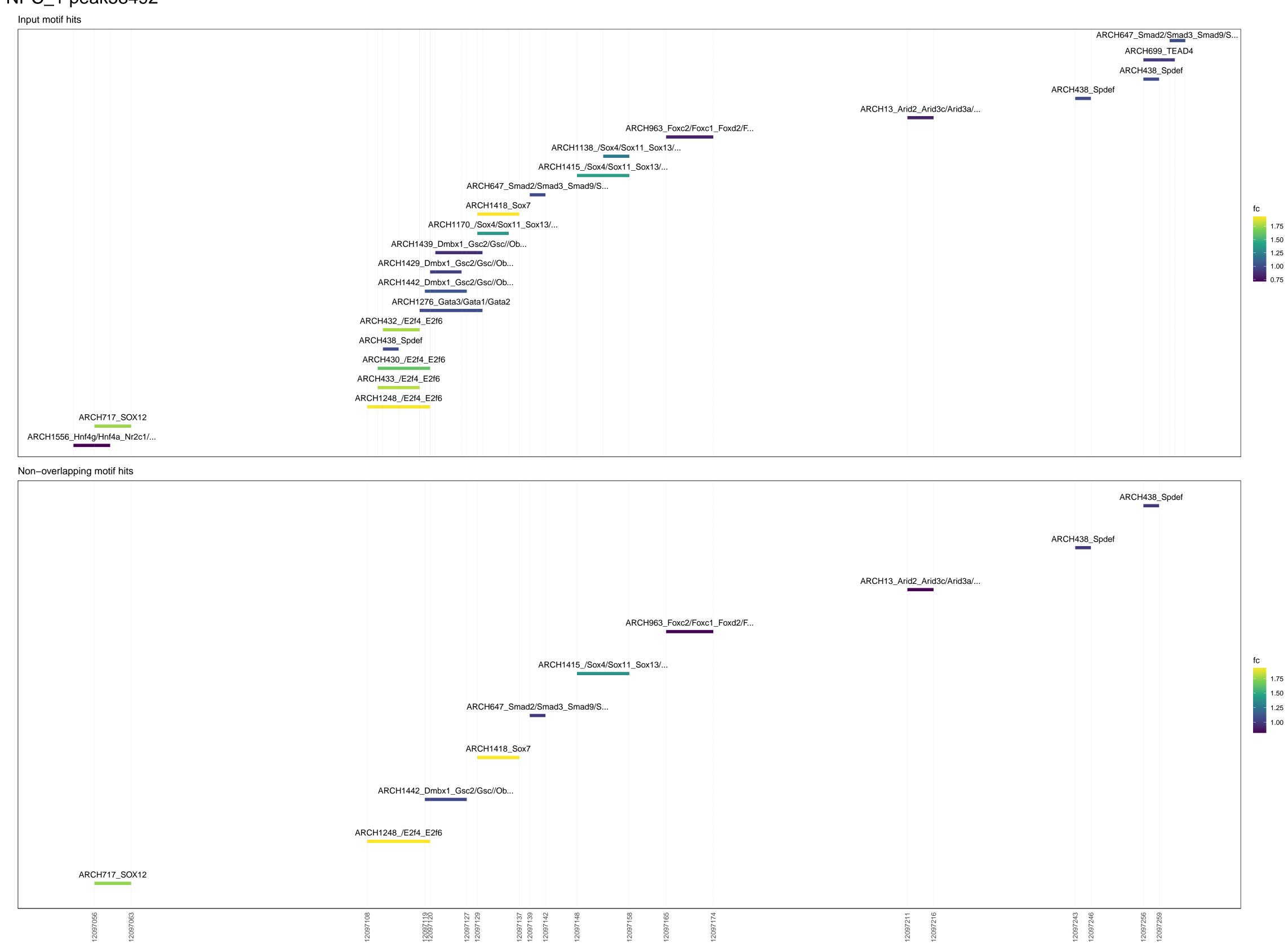
NPC_1 peak59659 Input motif hits



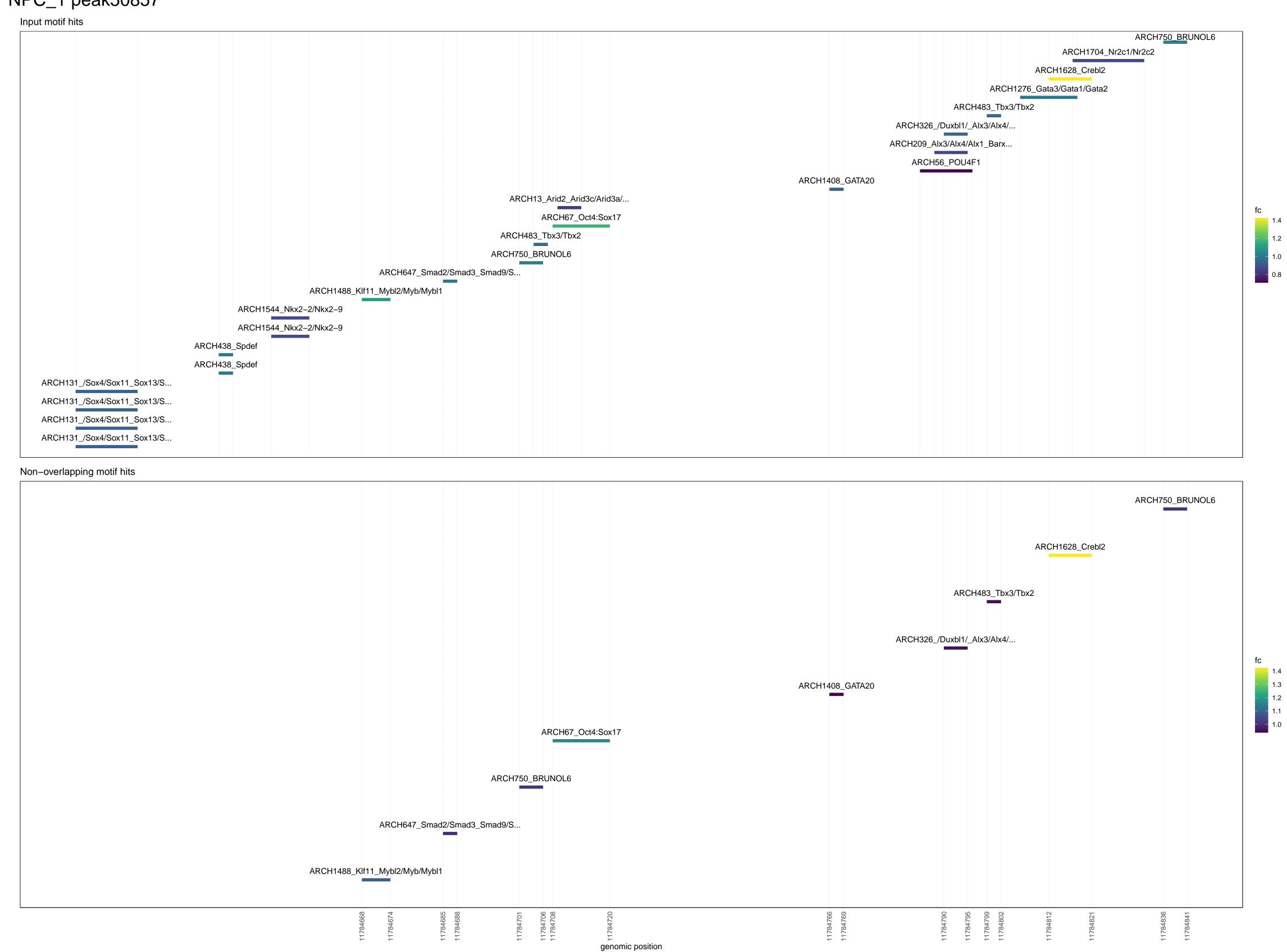


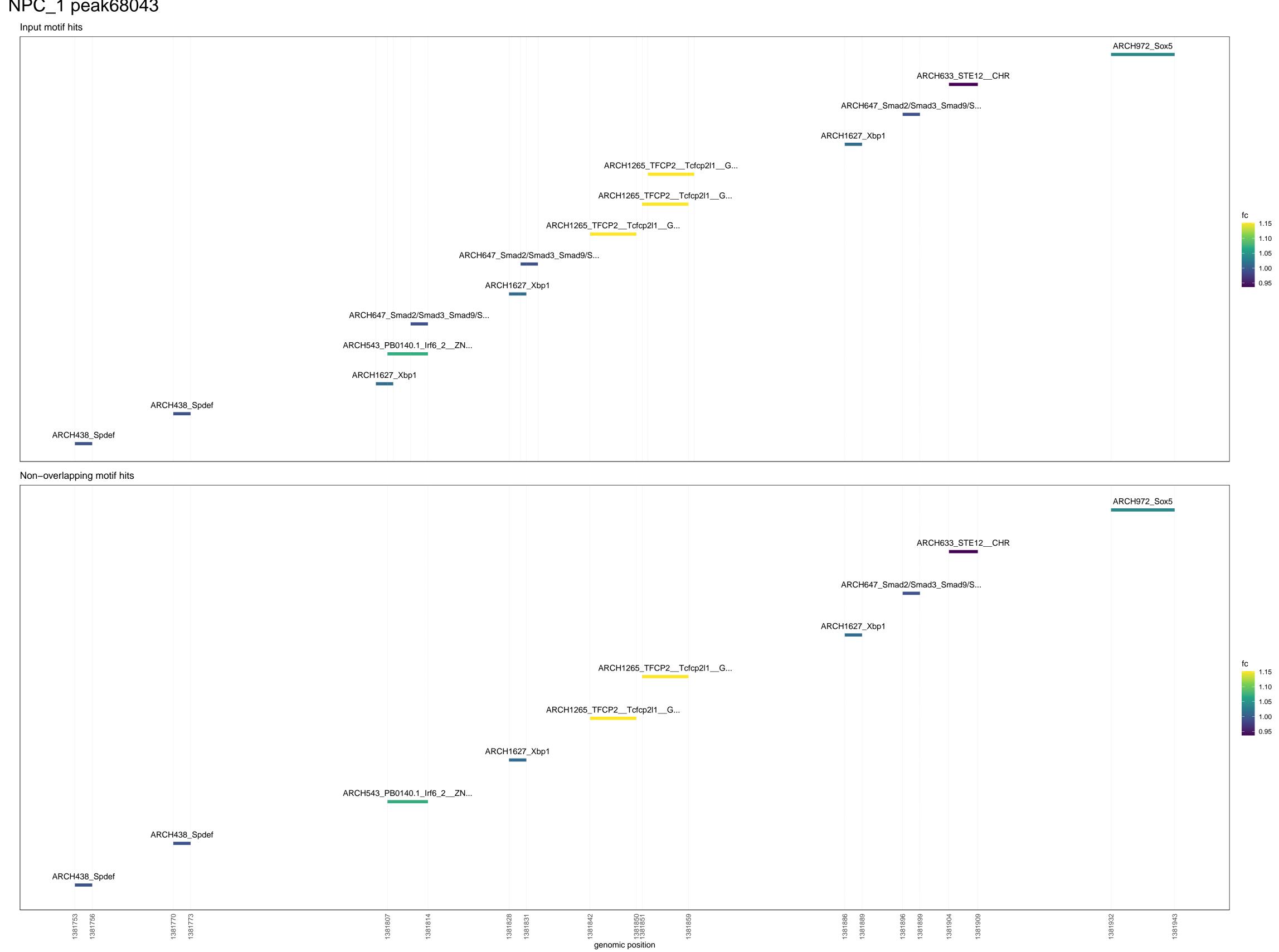


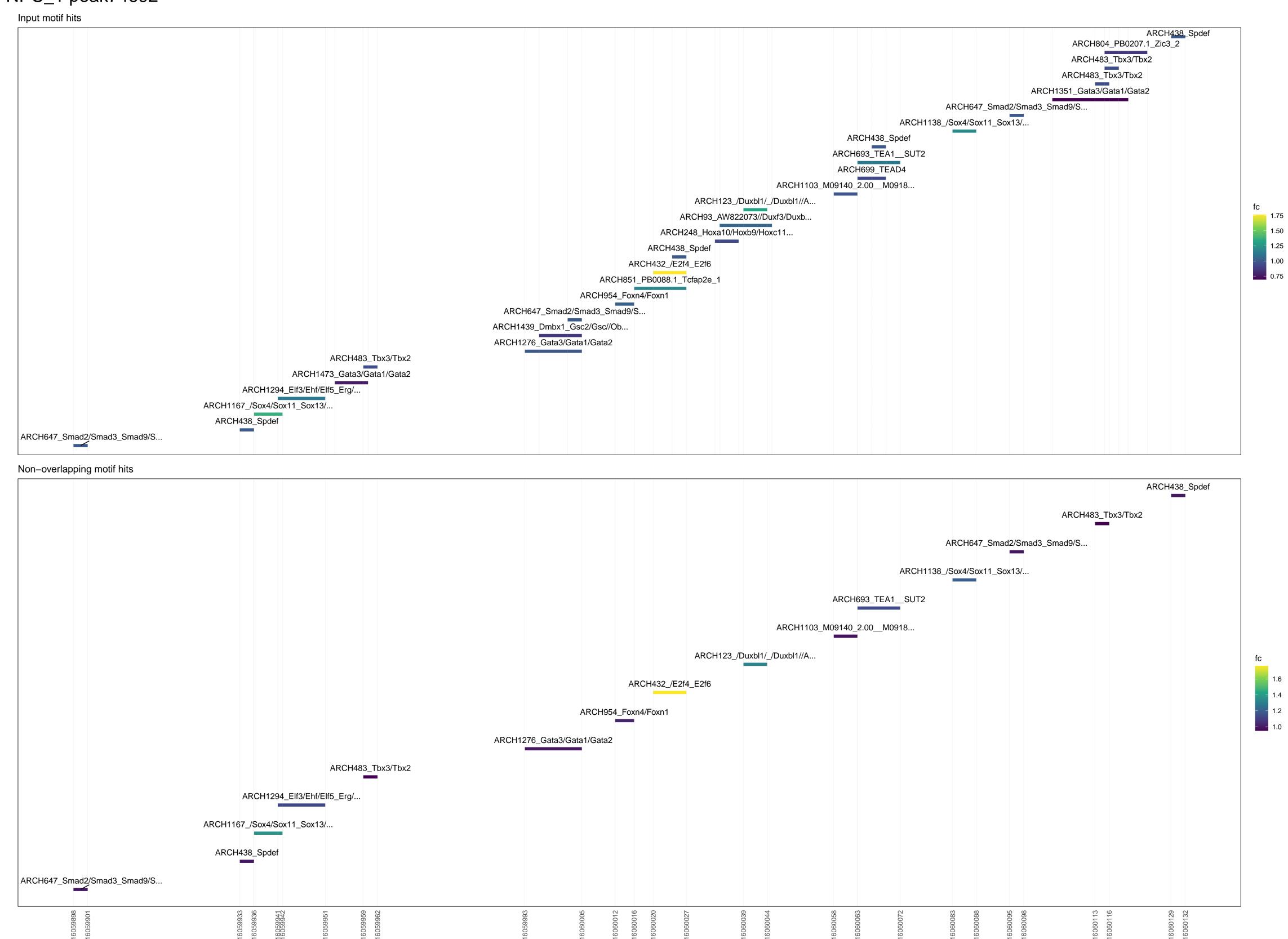


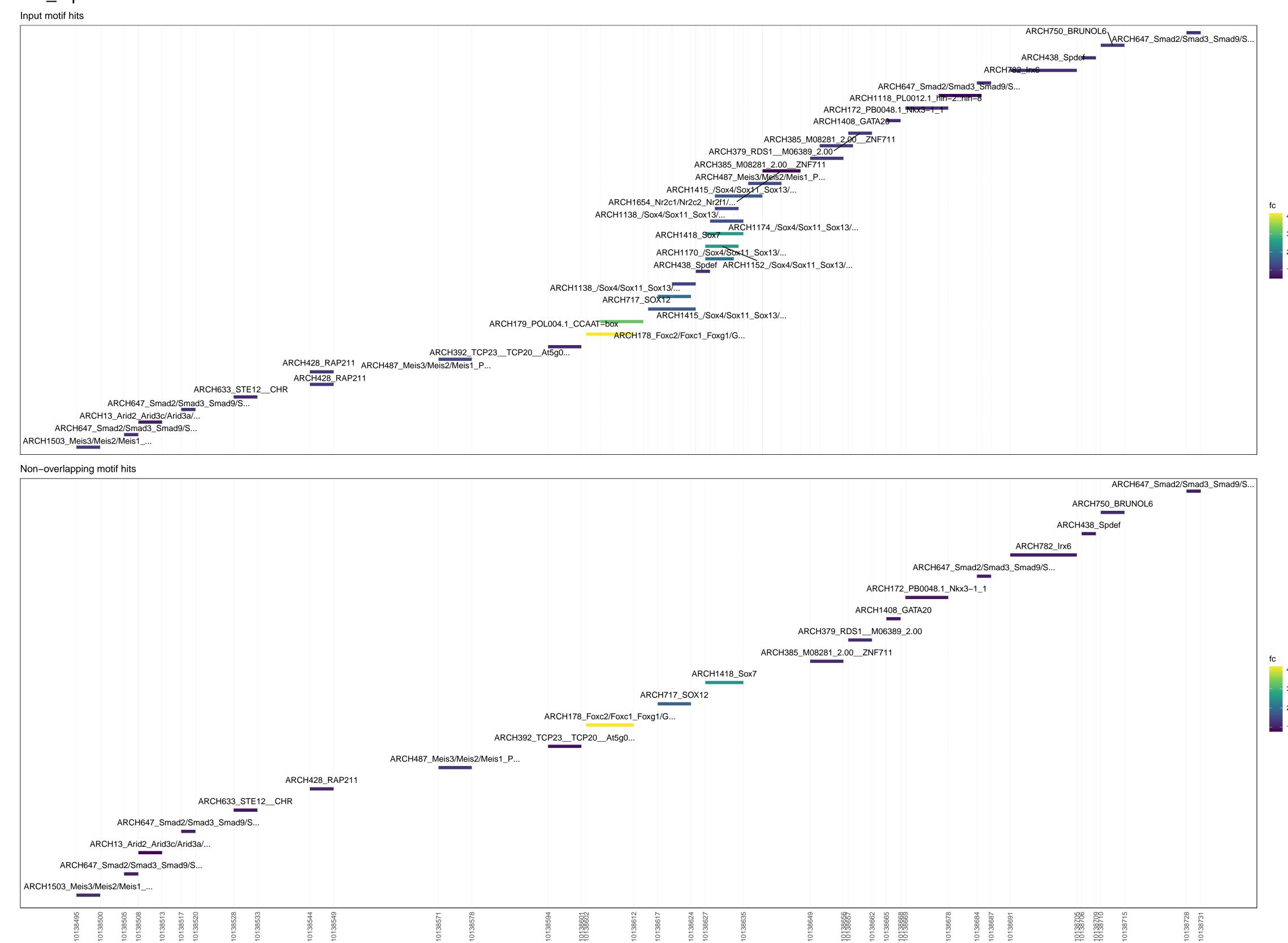


genomic position

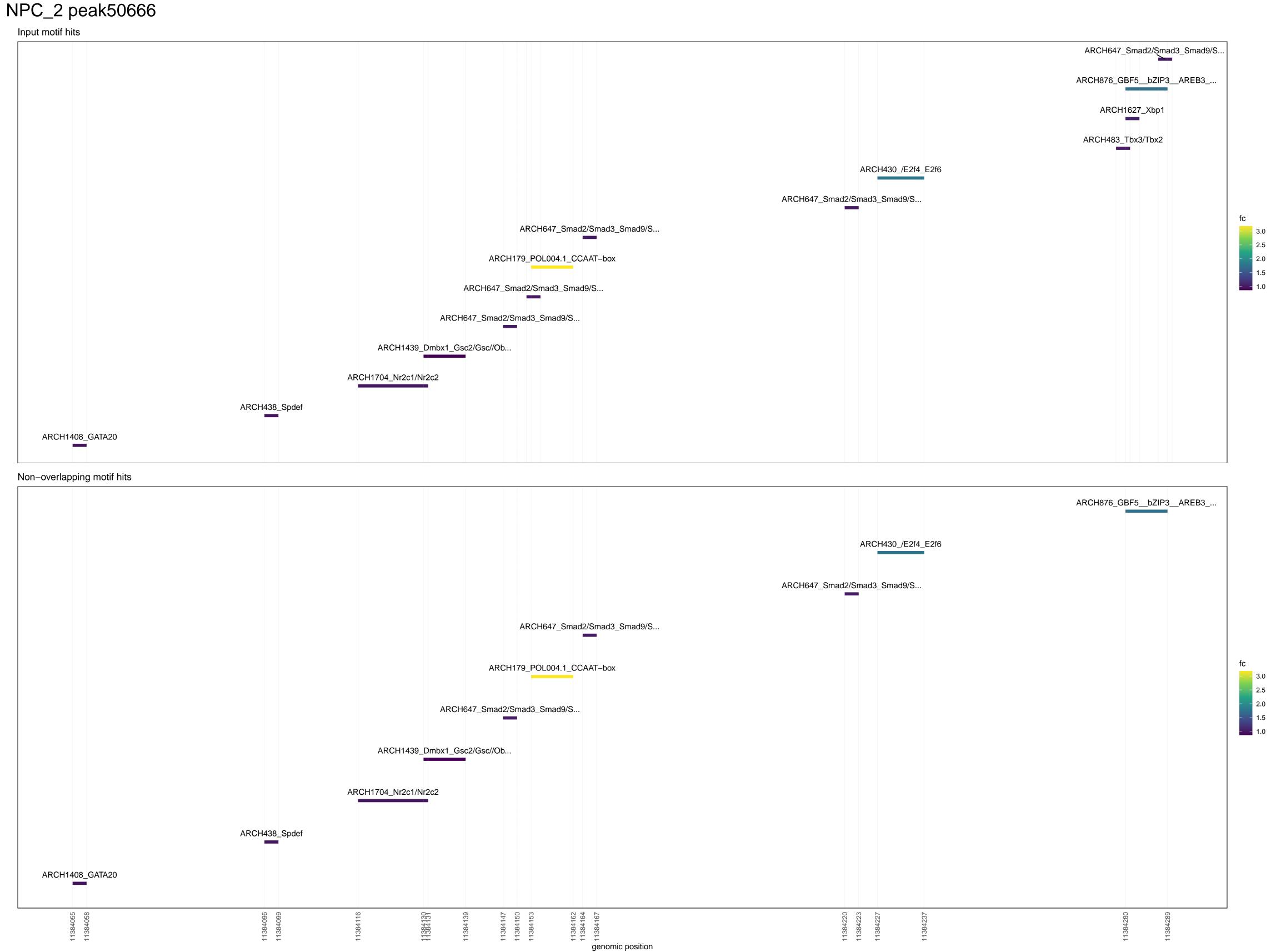


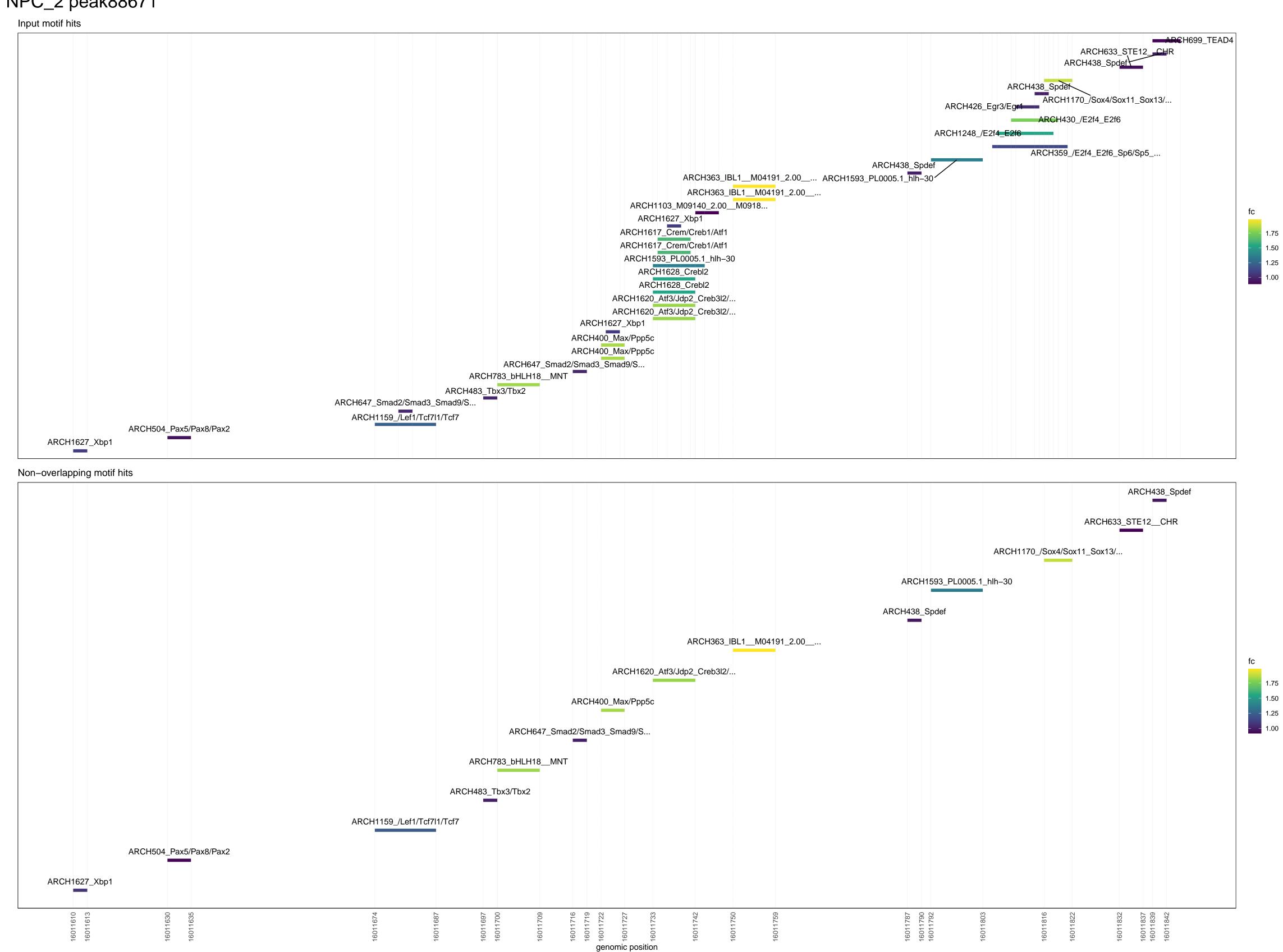


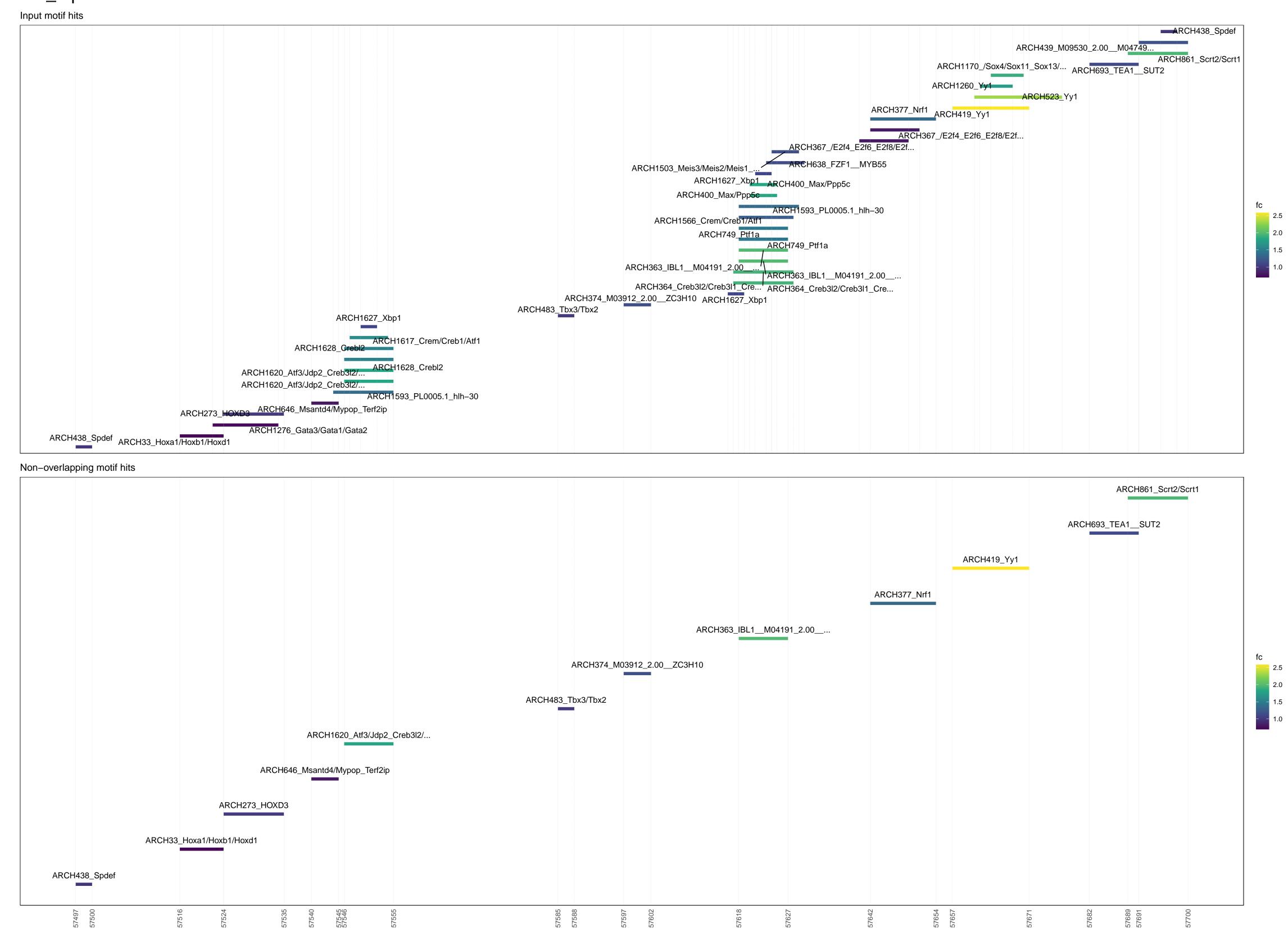


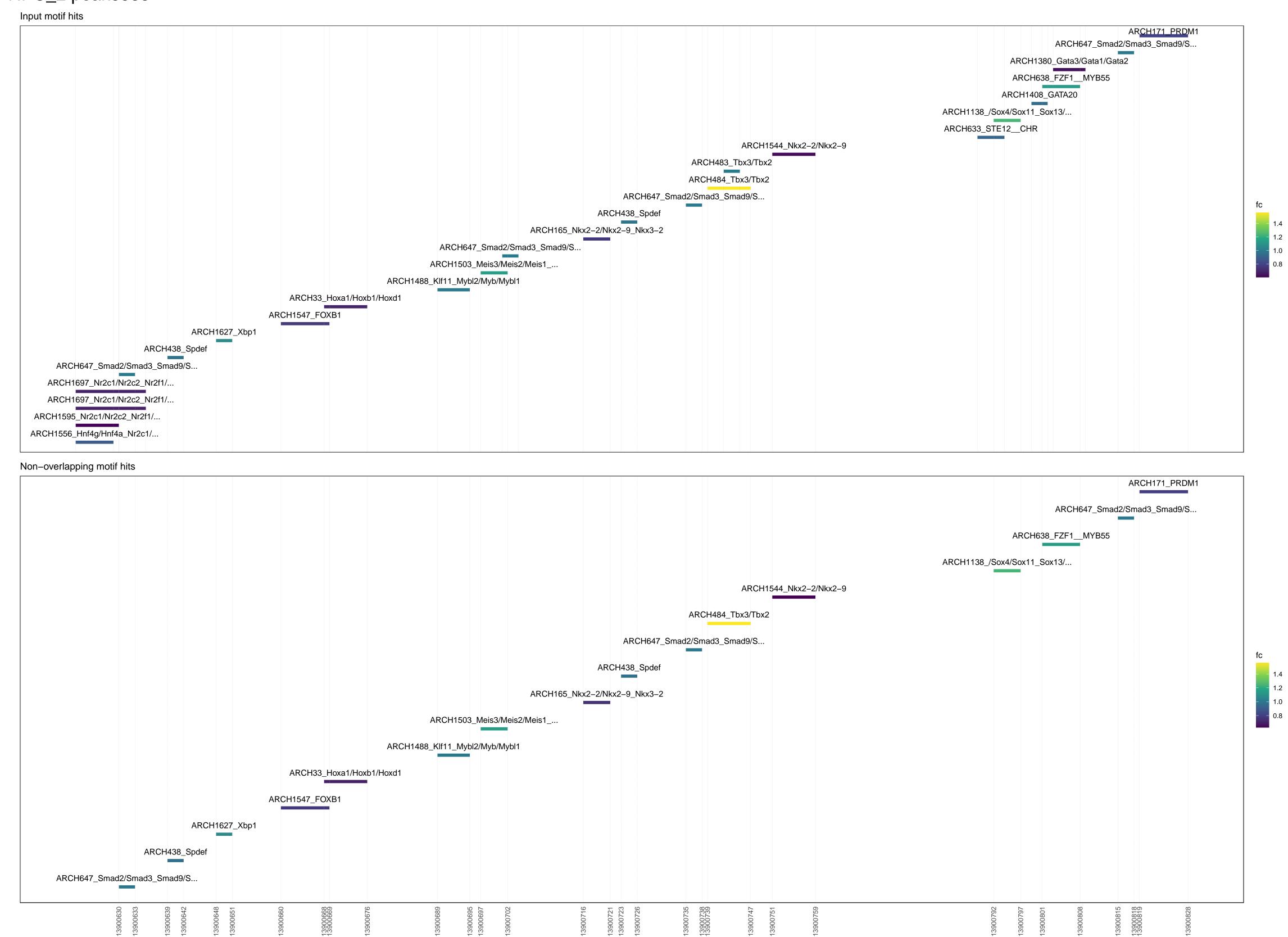


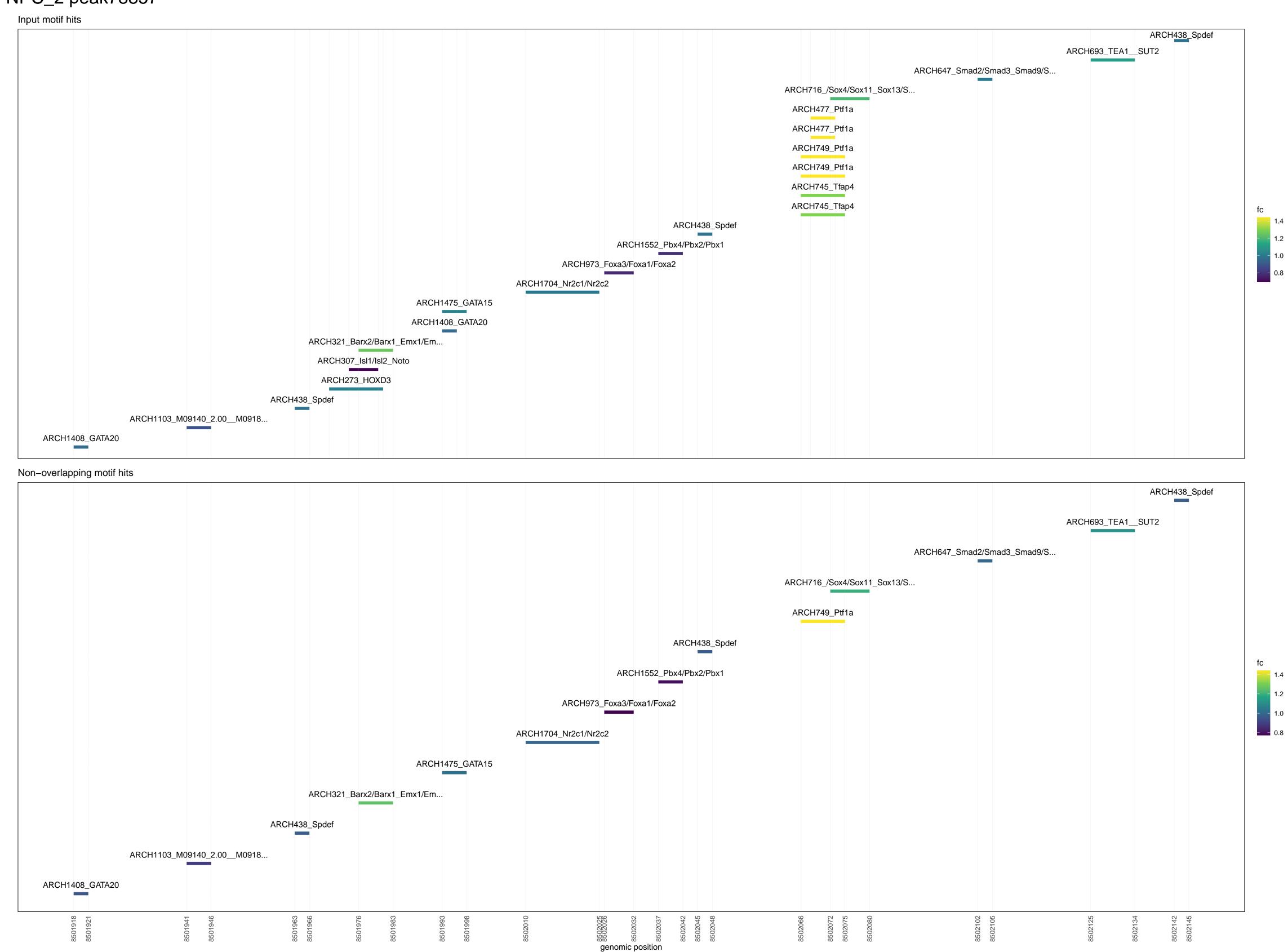
genomic position

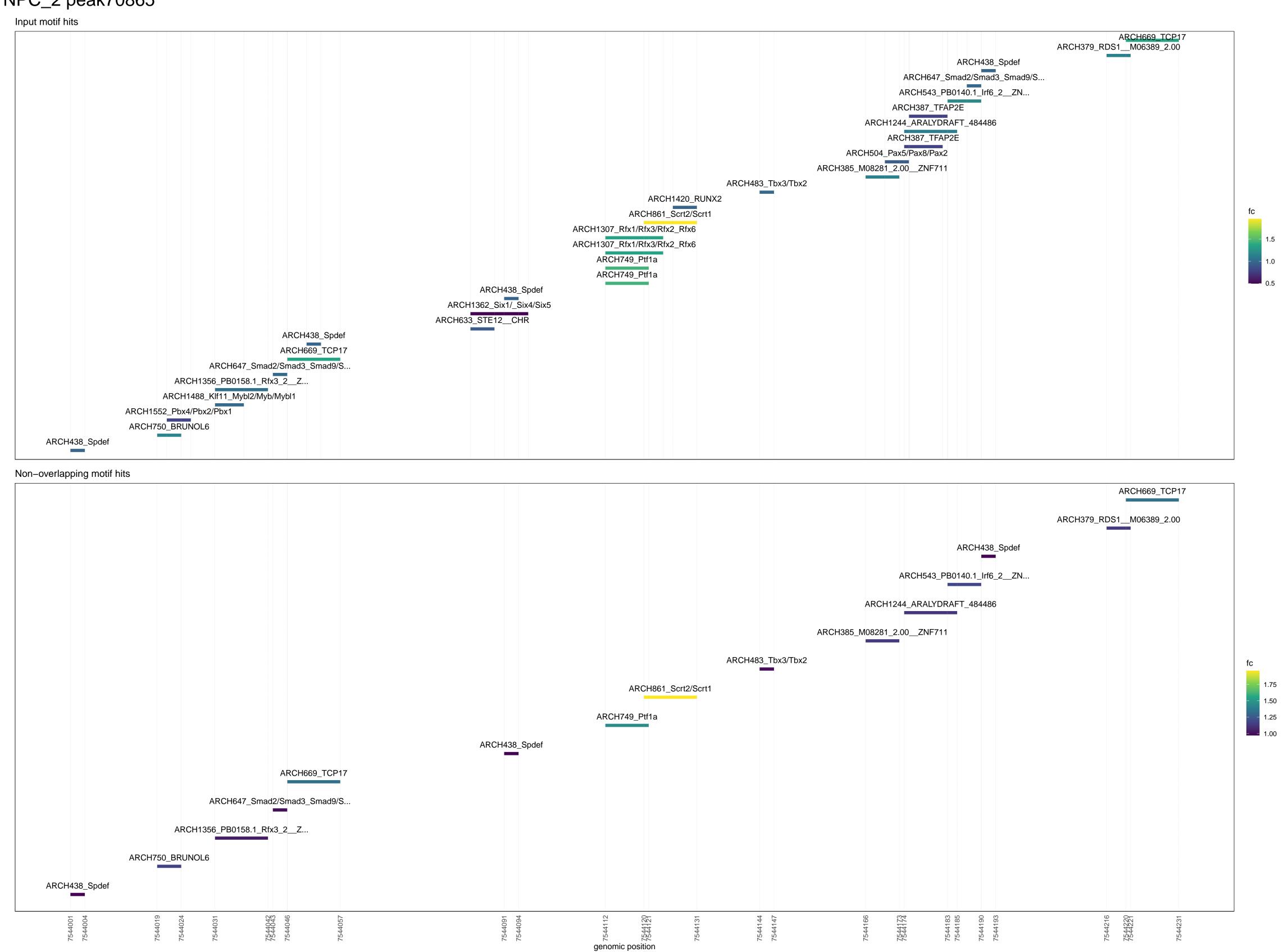


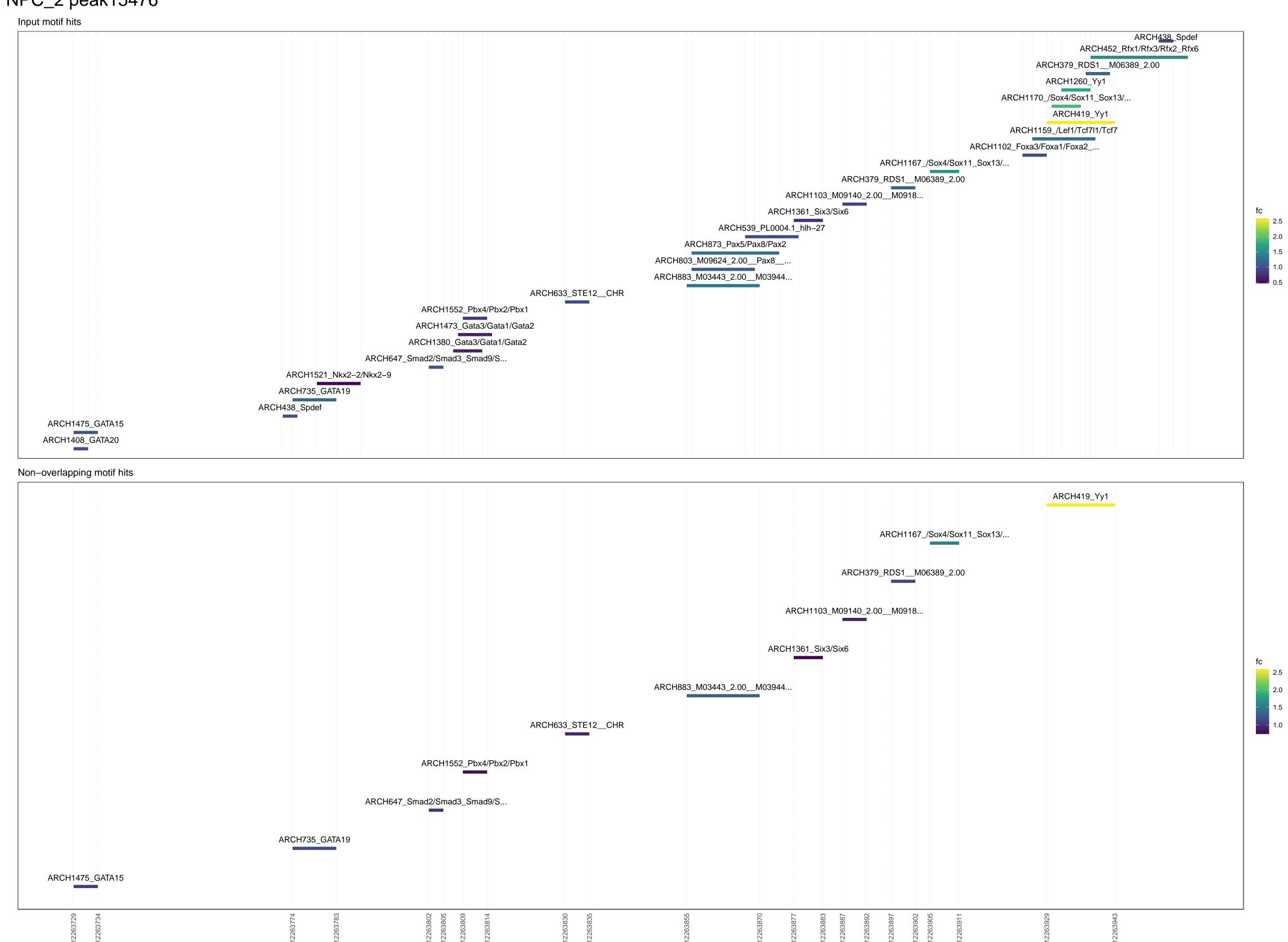




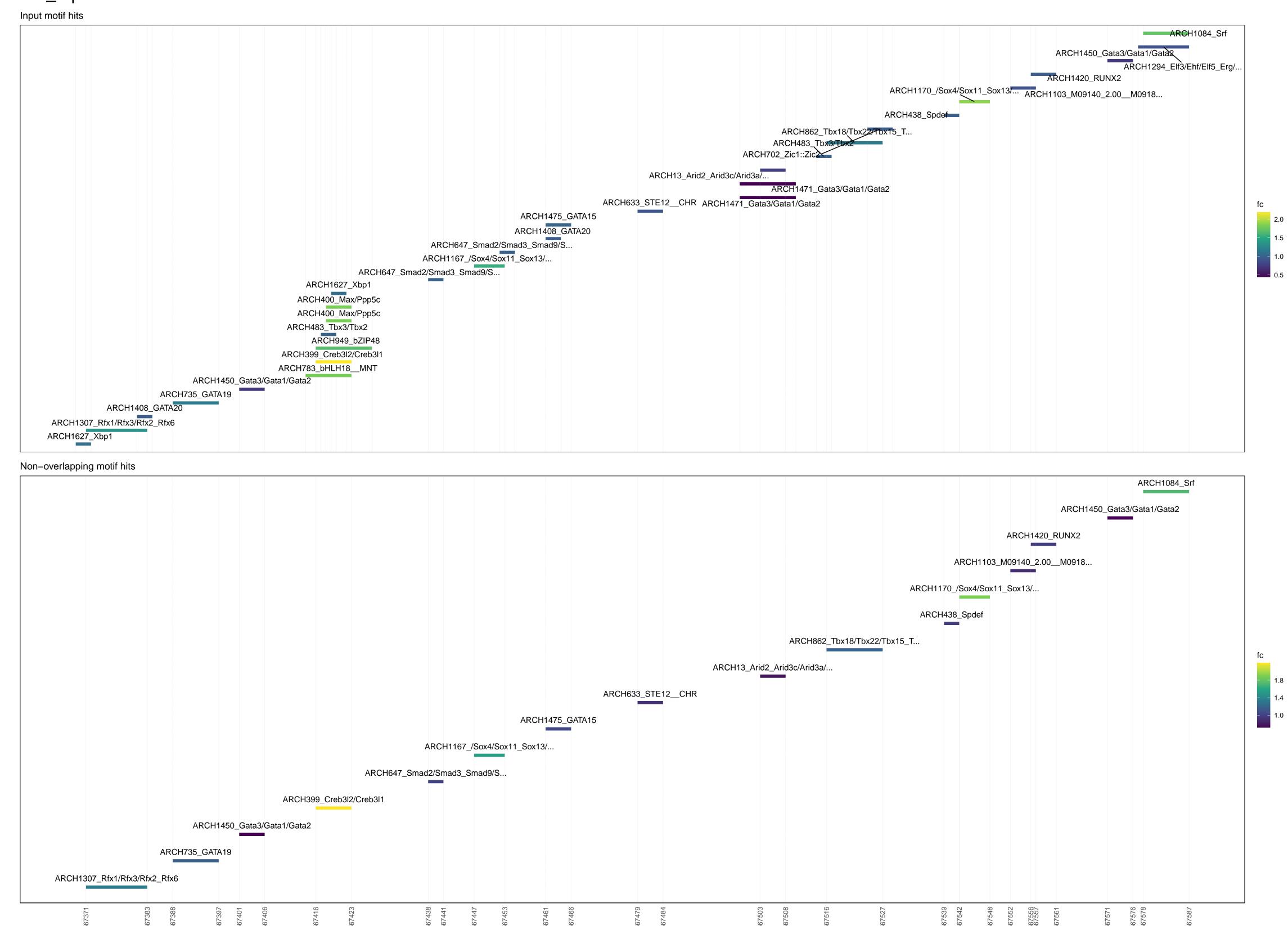


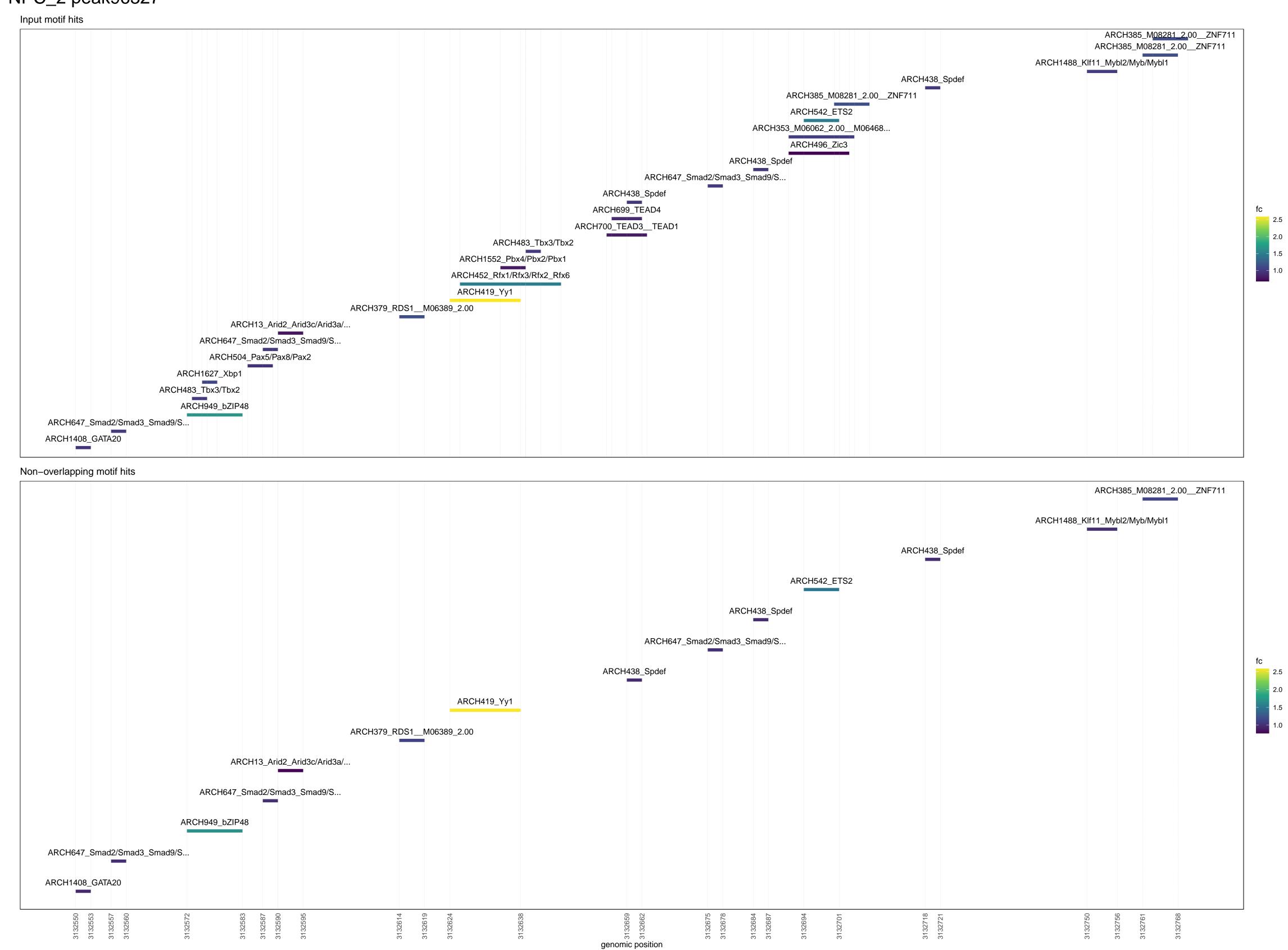


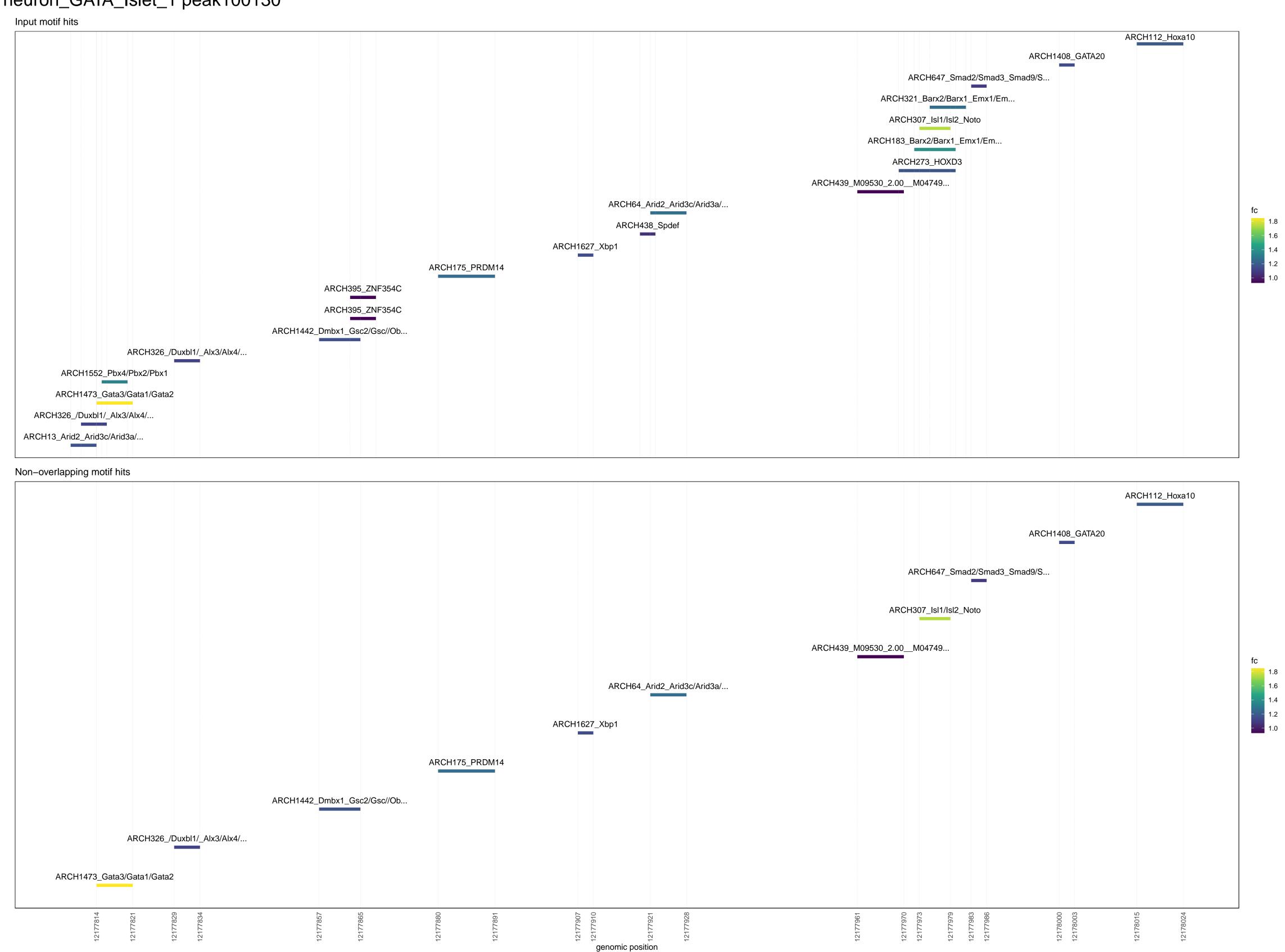


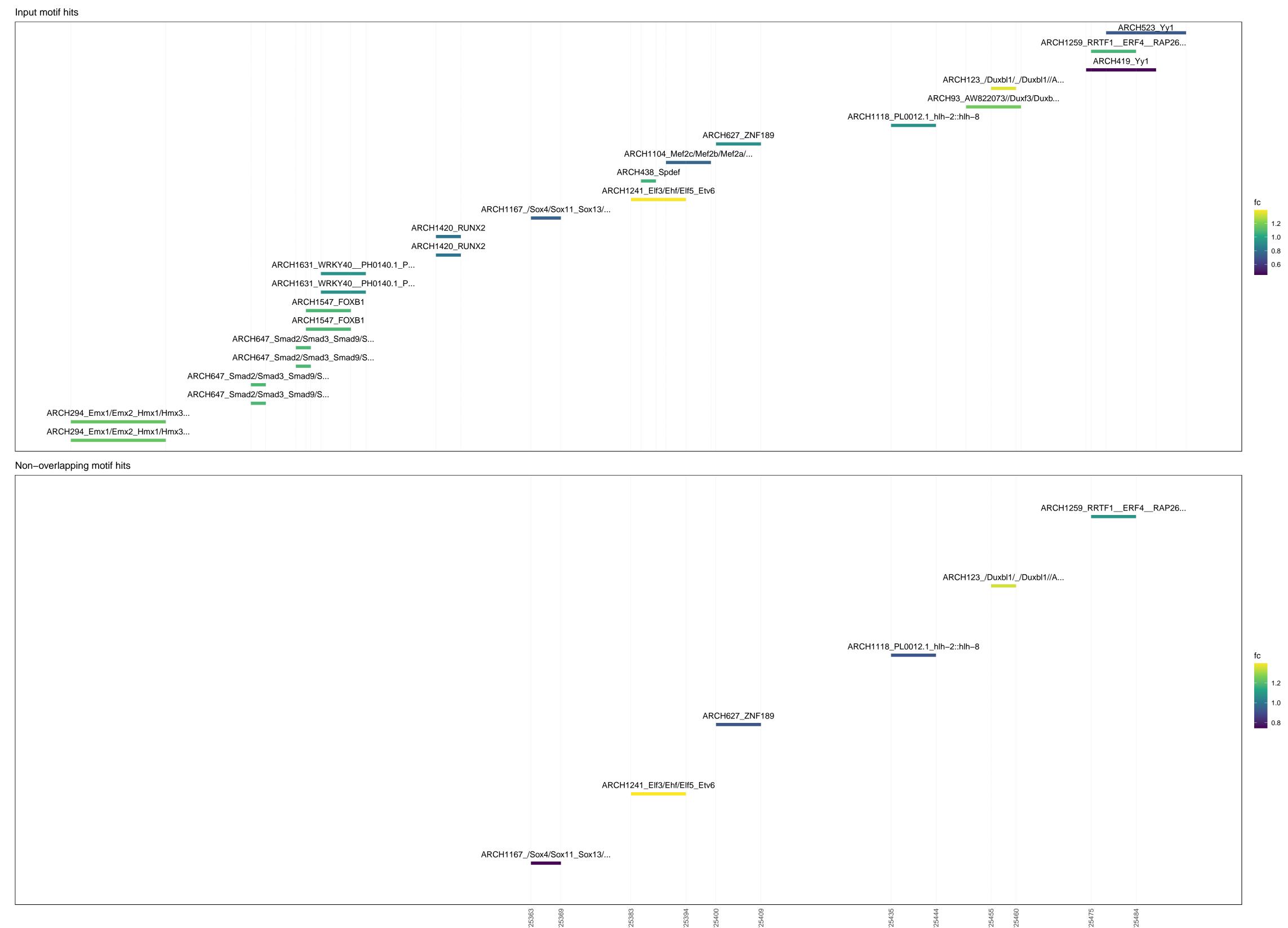


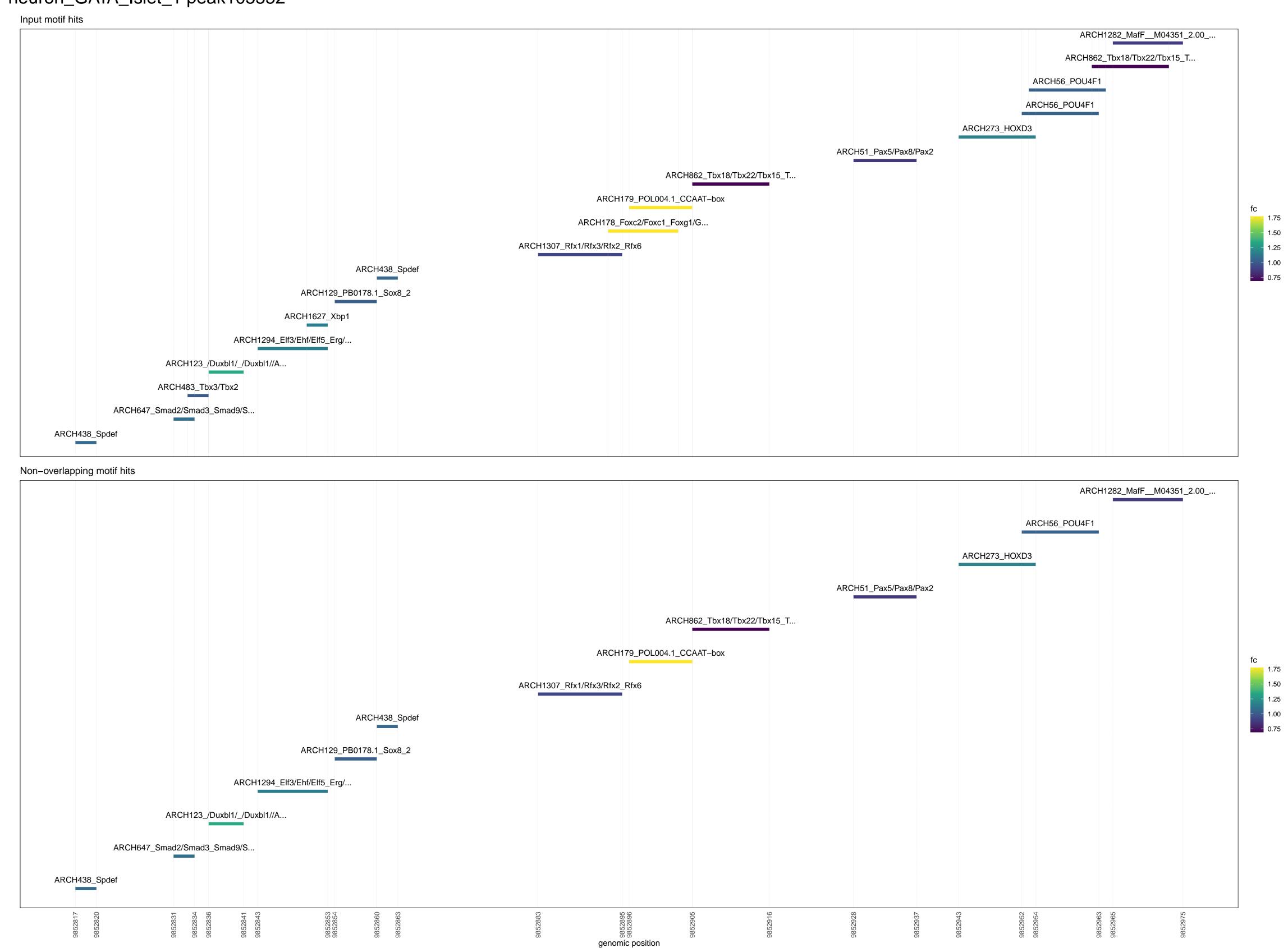
genomic position



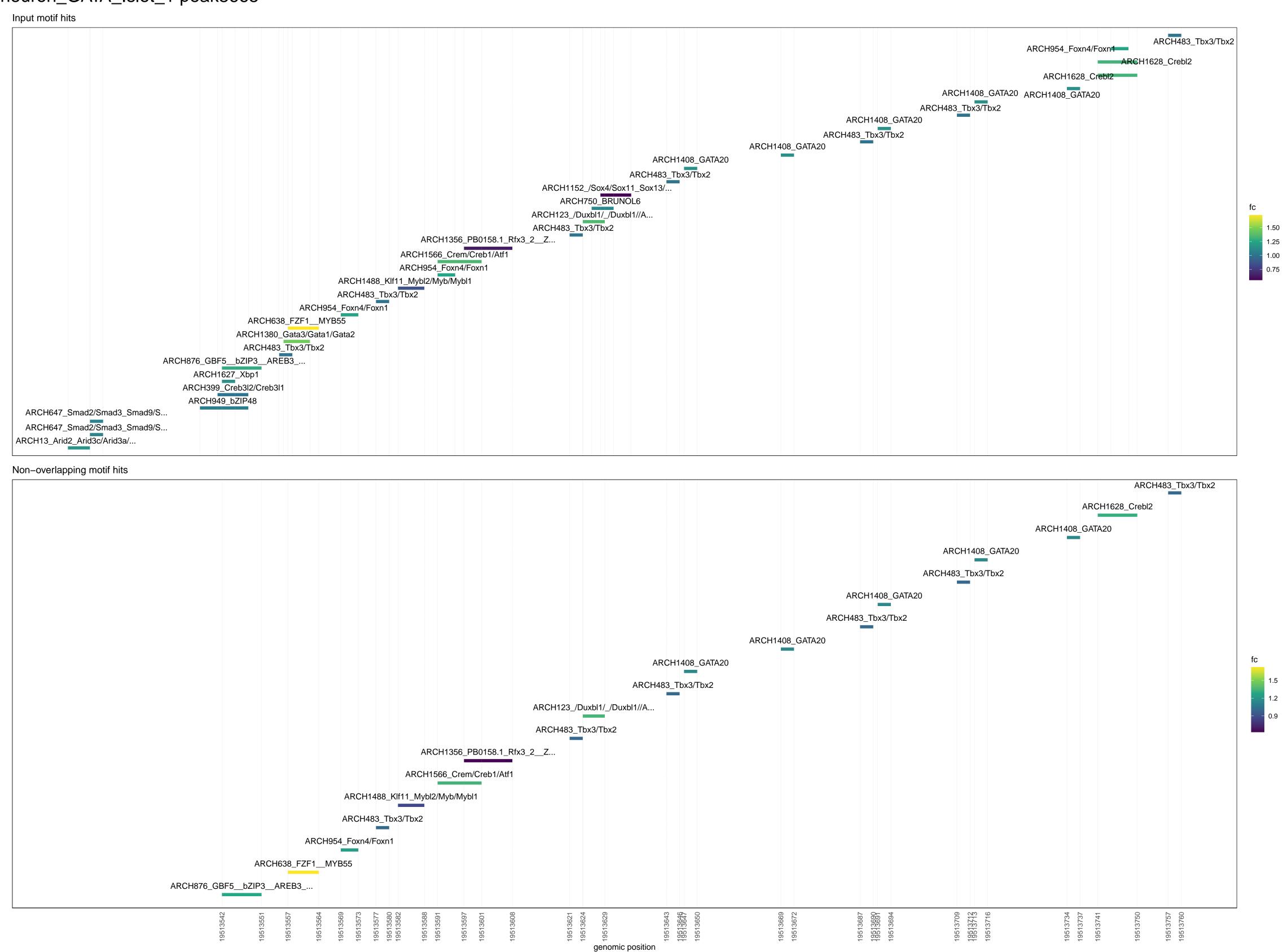


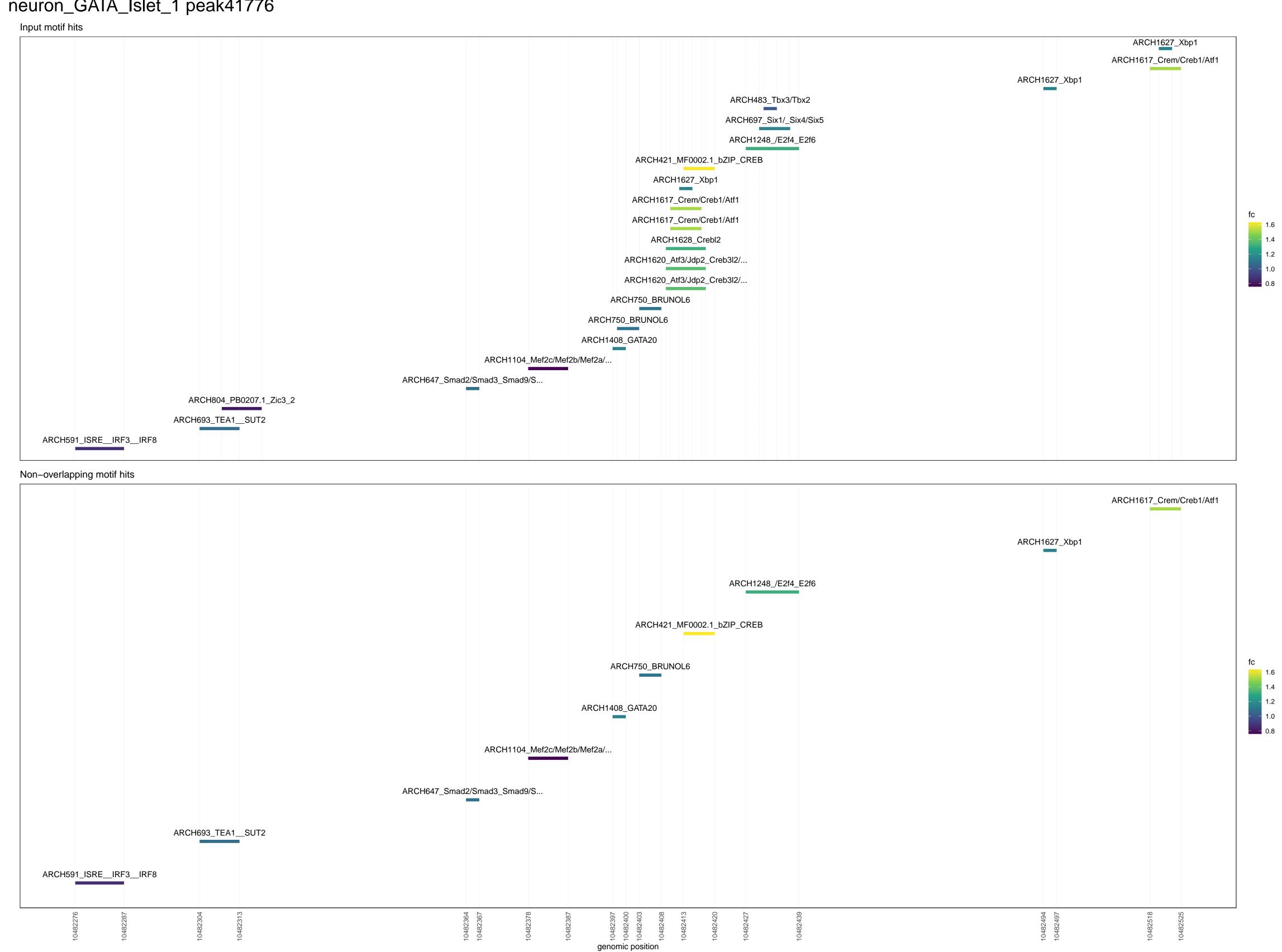


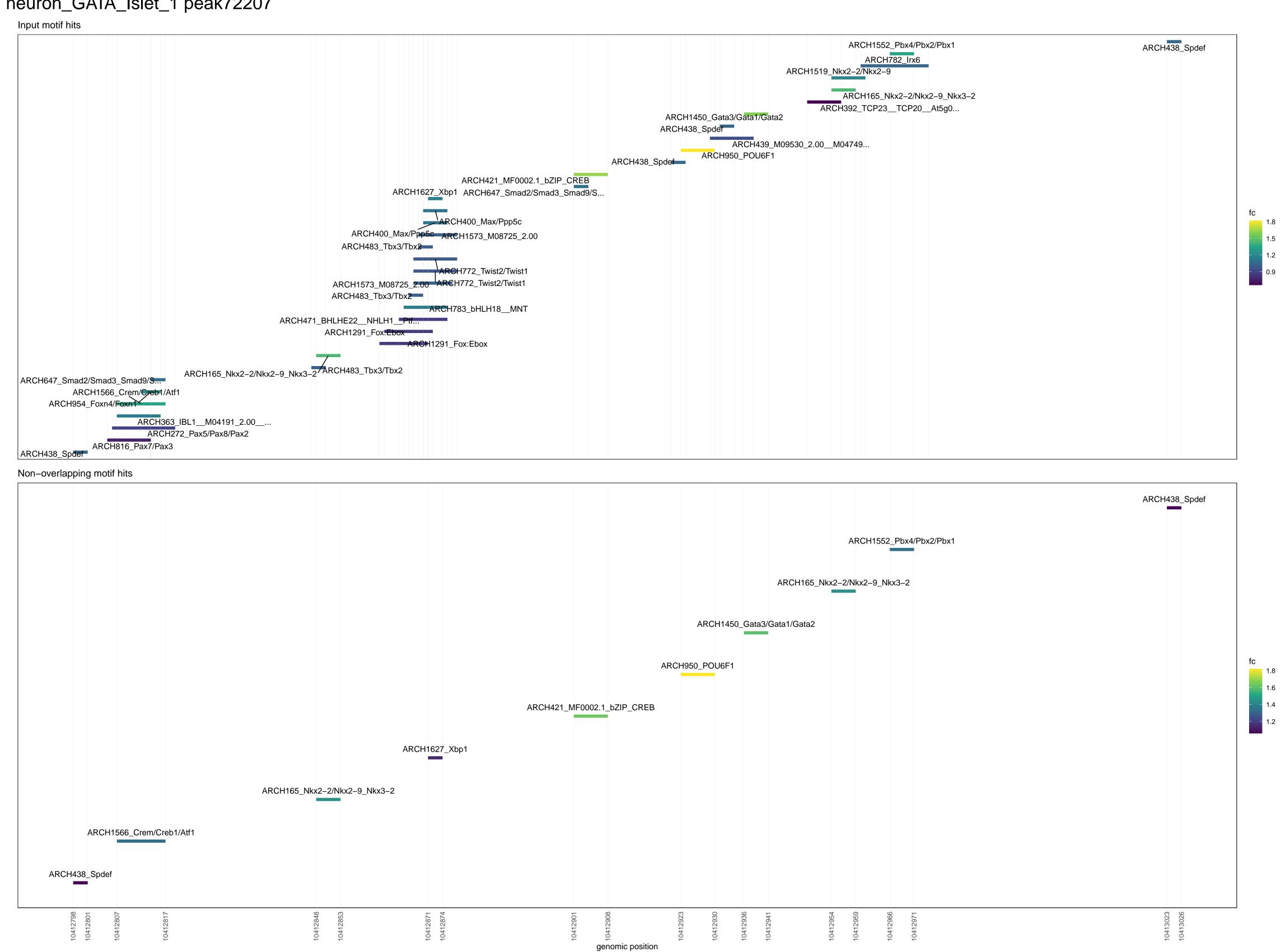




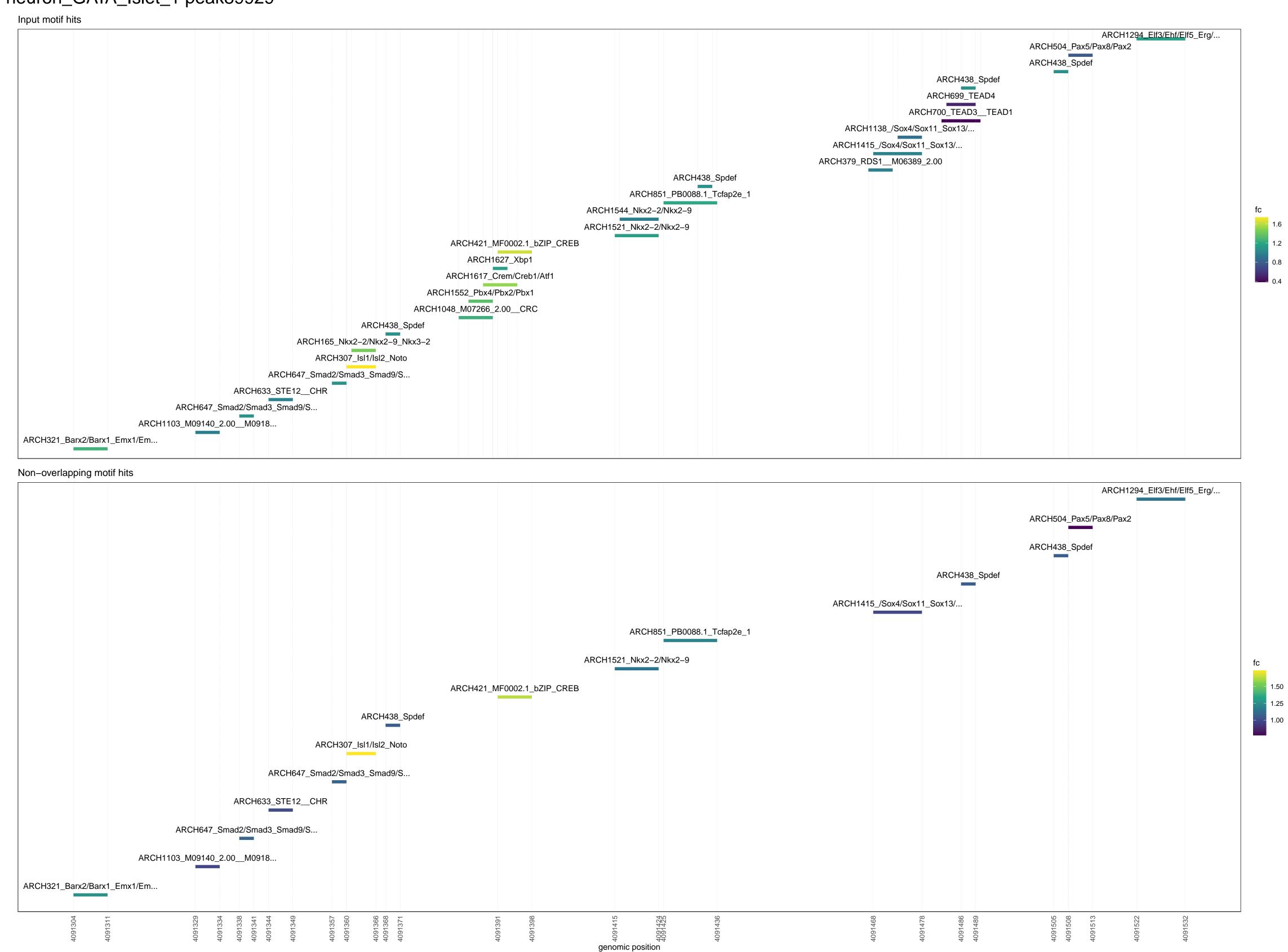
neuron_GATA_Islet_1 peak8665 Input motif hits



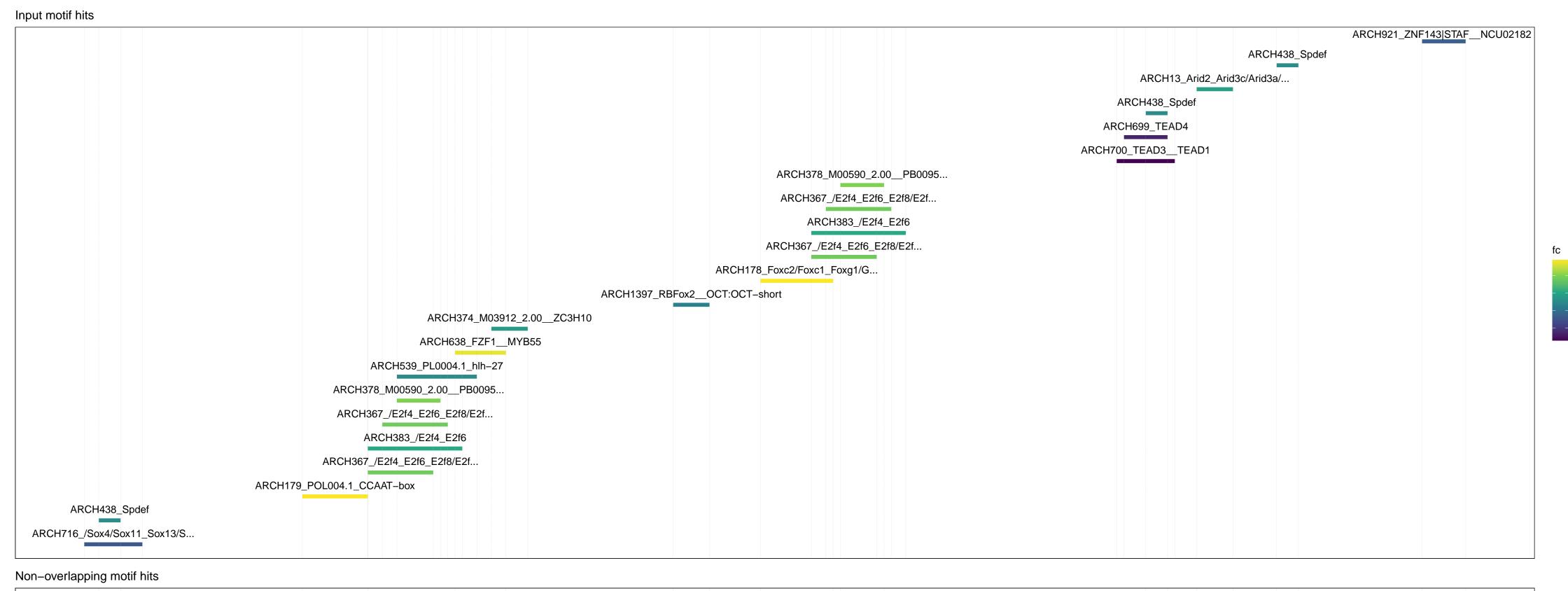


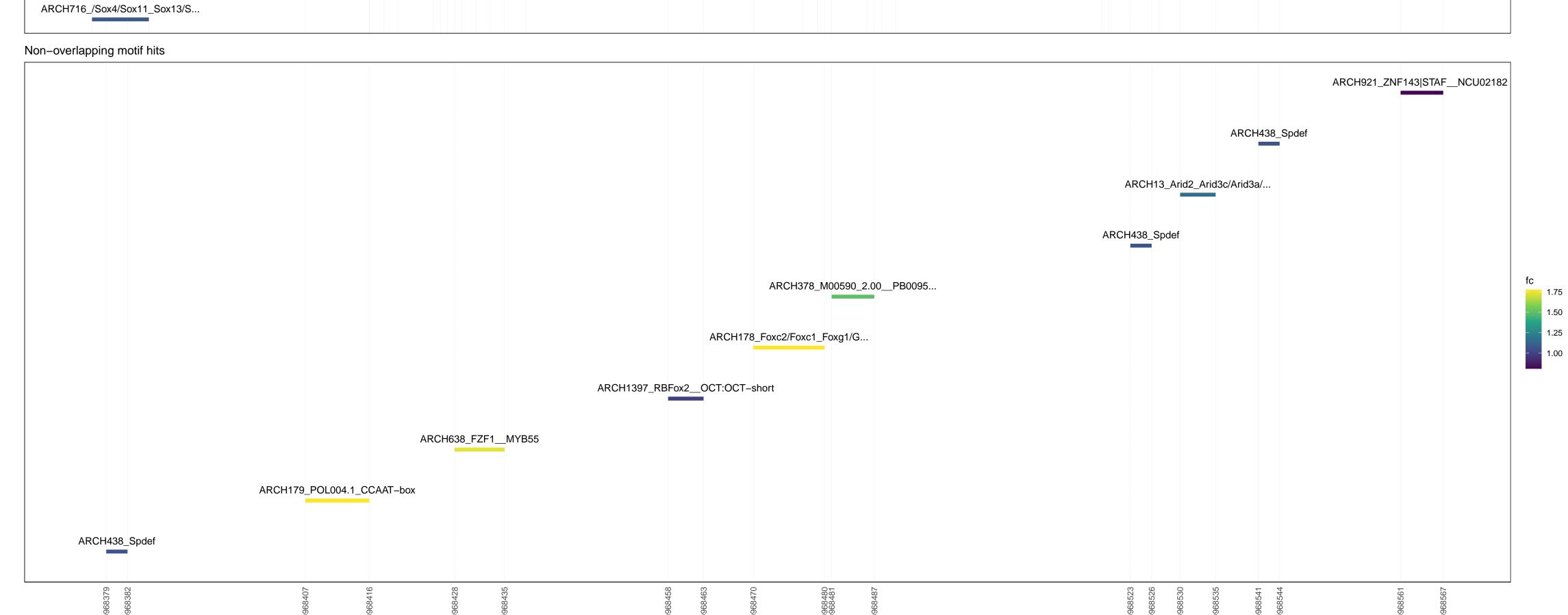


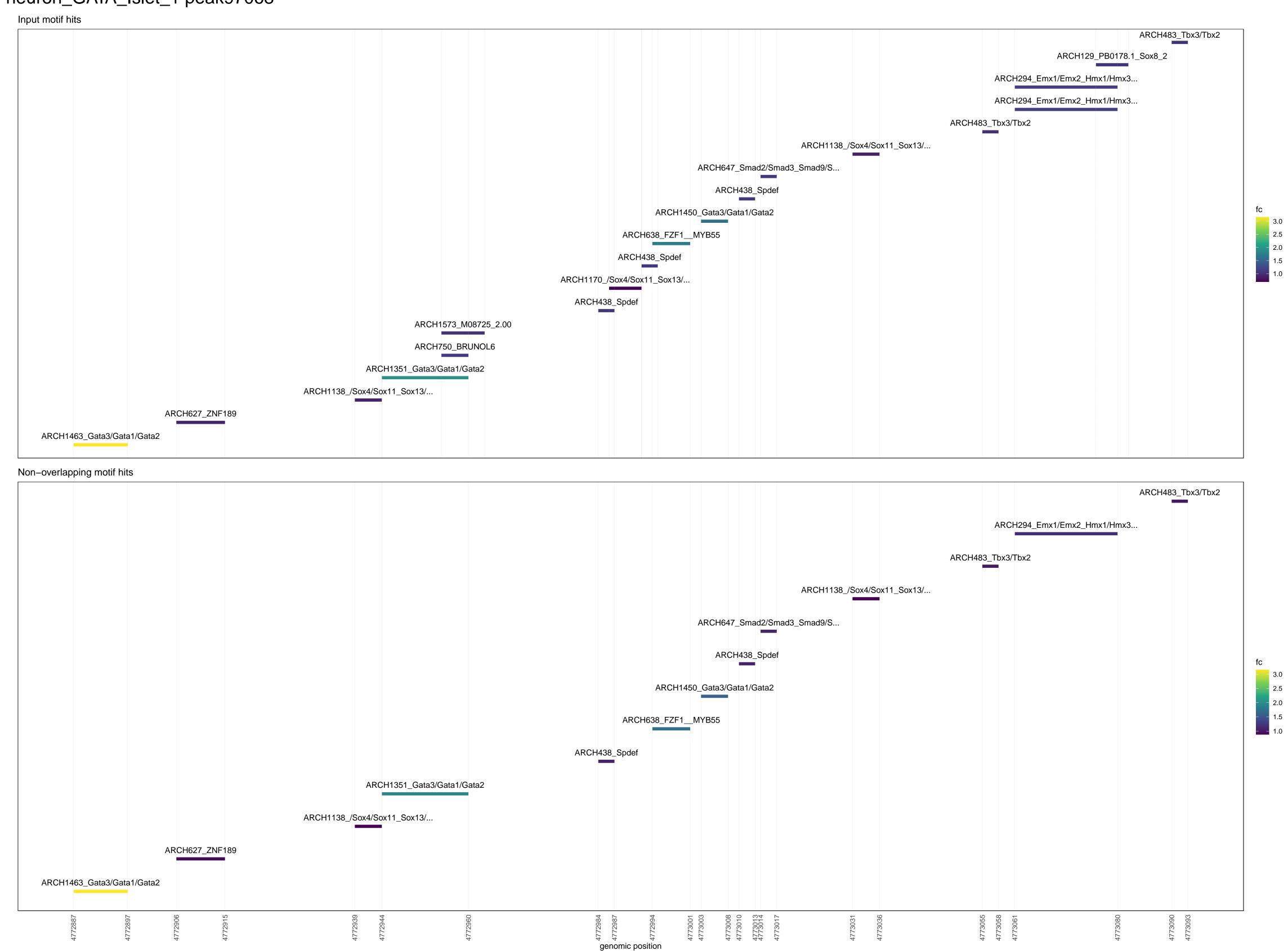
neuron_GATA_Islet_1 peak17463 Input motif hits ARCH438_Spdef ARCH438_Spdef ARCH1552_Pbx4/Pbx2/Pbx1 ARCH1420_RUNX2 ARCH13_Arid2_Arid3c/Arid3a/... ARCH1503_Meis3/Meis2/Meis1_... ARCH862_Tbx18/Tbx22/Tbx15_T... ARCH123_/Duxbl1/_/Duxbl1//A... - 1.0 ARCH1138_/Sox4/Sox11_Sox13/... ARCH1102_Foxa3/Foxa1/Foxa2_... ARCH438_Spdef ARCH13_Arid2_Arid3c/Arid3a/... ARCH1356_PB0158.1_Rfx3_2__Z... ARCH647_Smad2/Smad3_Smad9/S... Non-overlapping motif hits ARCH438_Spdef ARCH438_Spdef ARCH1552_Pbx4/Pbx2/Pbx1 ARCH1420_RUNX2 ARCH13_Arid2_Arid3c/Arid3a/... ARCH1503_Meis3/Meis2/Meis1_... 1.2 1.0 0.8 ARCH123_/Duxbl1/_/Duxbl1//A... ARCH438_Spdef ARCH13_Arid2_Arid3c/Arid3a/... ARCH1356_PB0158.1_Rfx3_2__Z... ARCH647_Smad2/Smad3_Smad9/S...

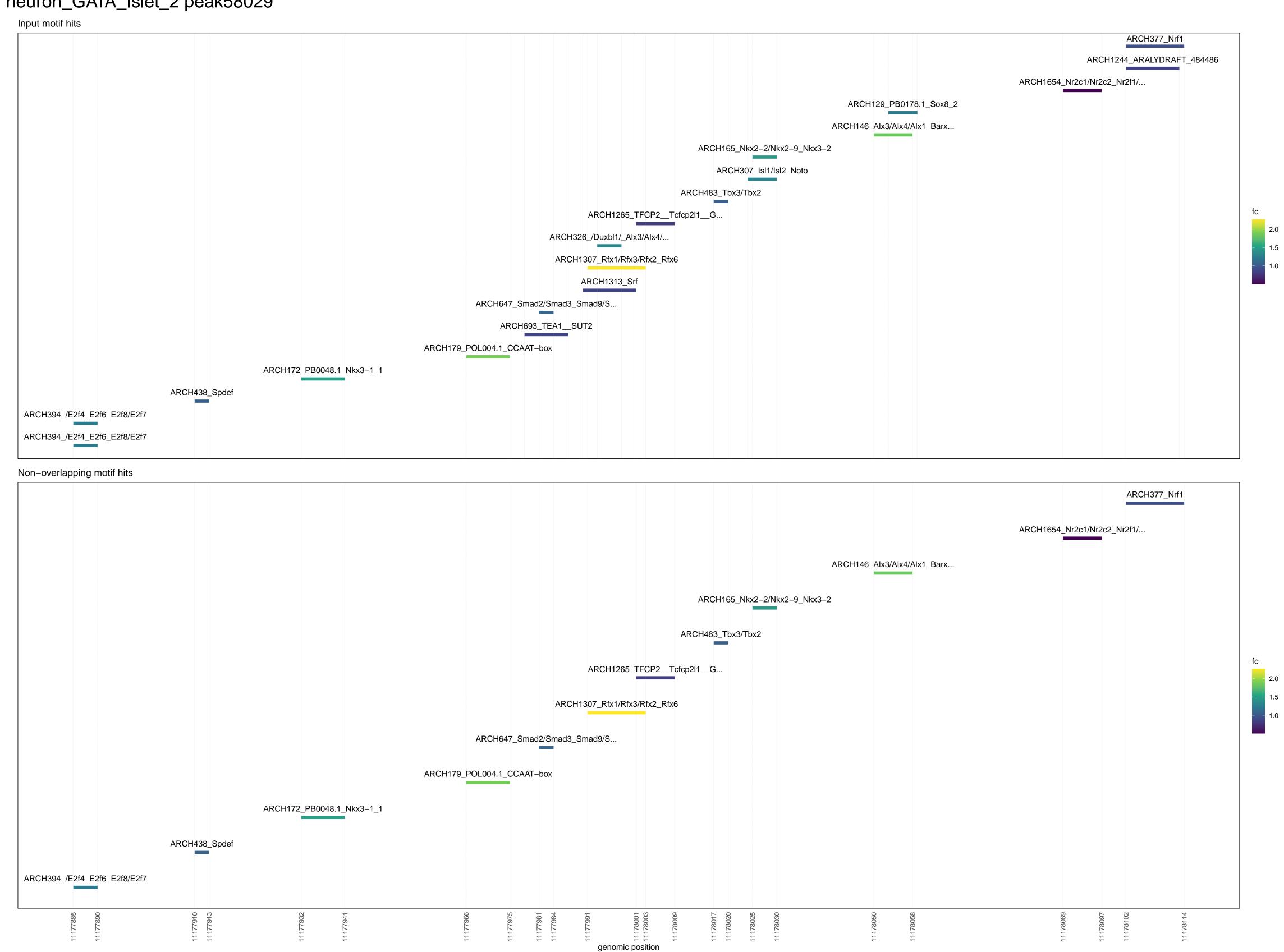


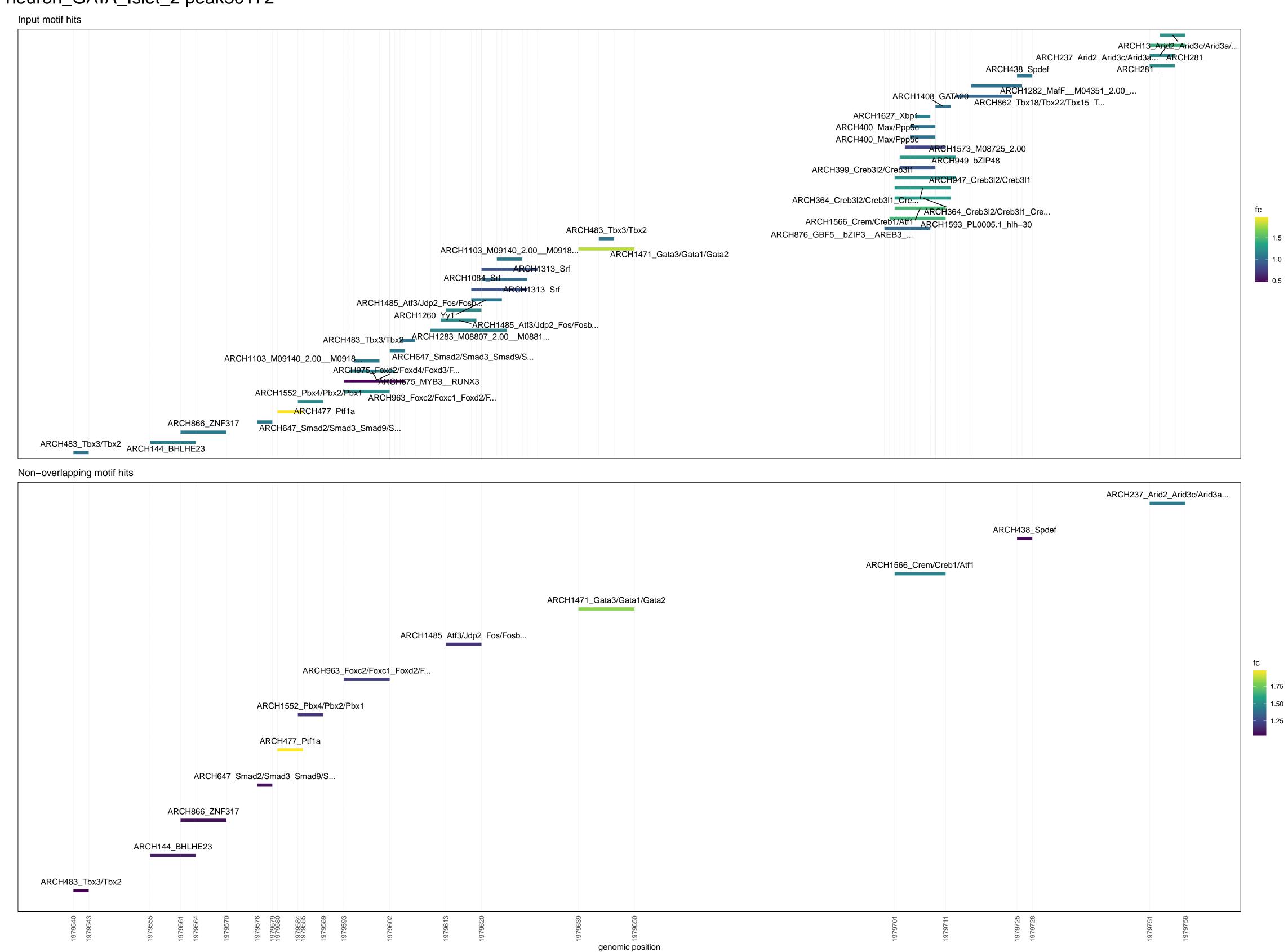
neuron_GATA_Islet_1 peak65247 Input motif hits

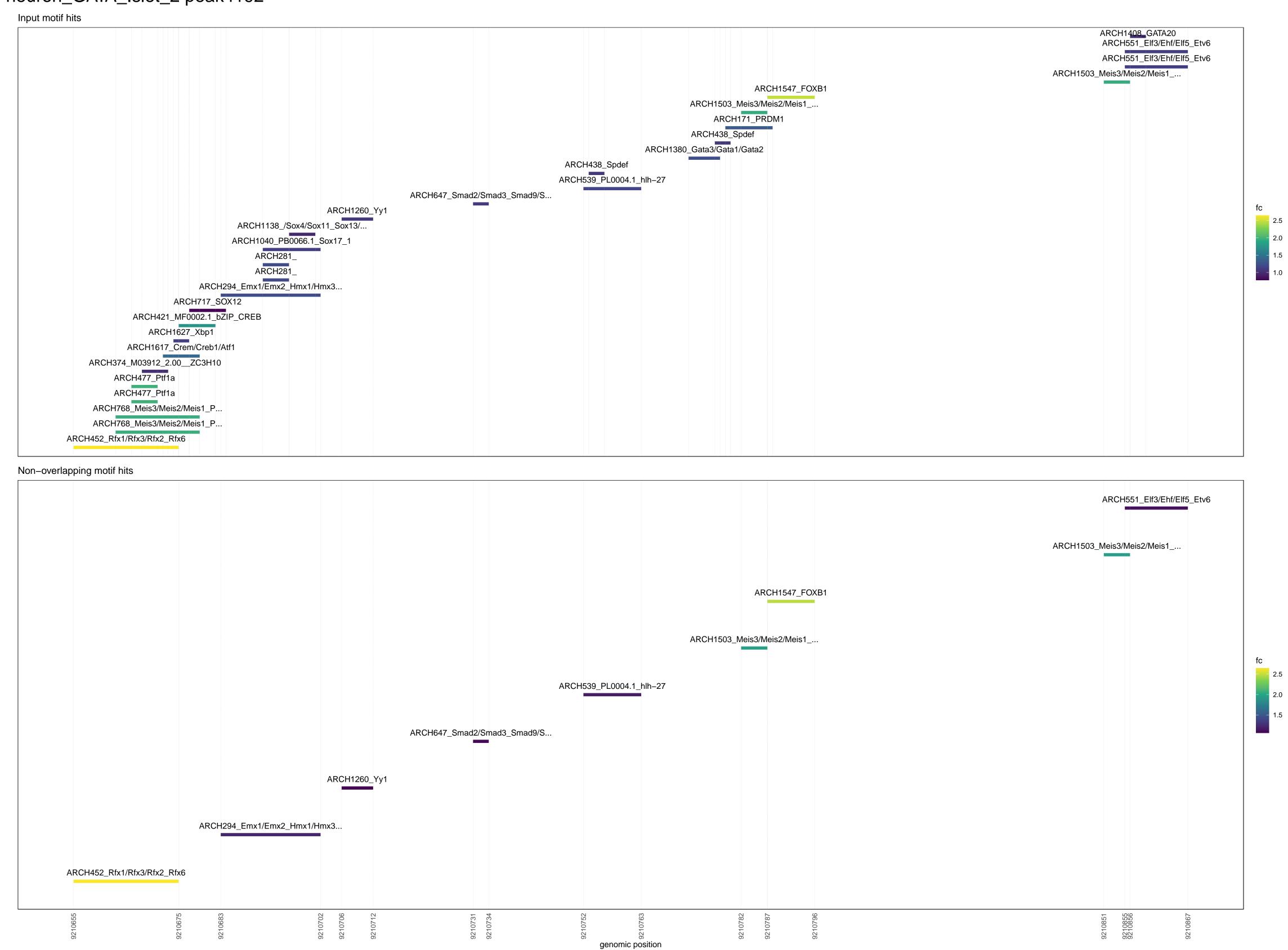




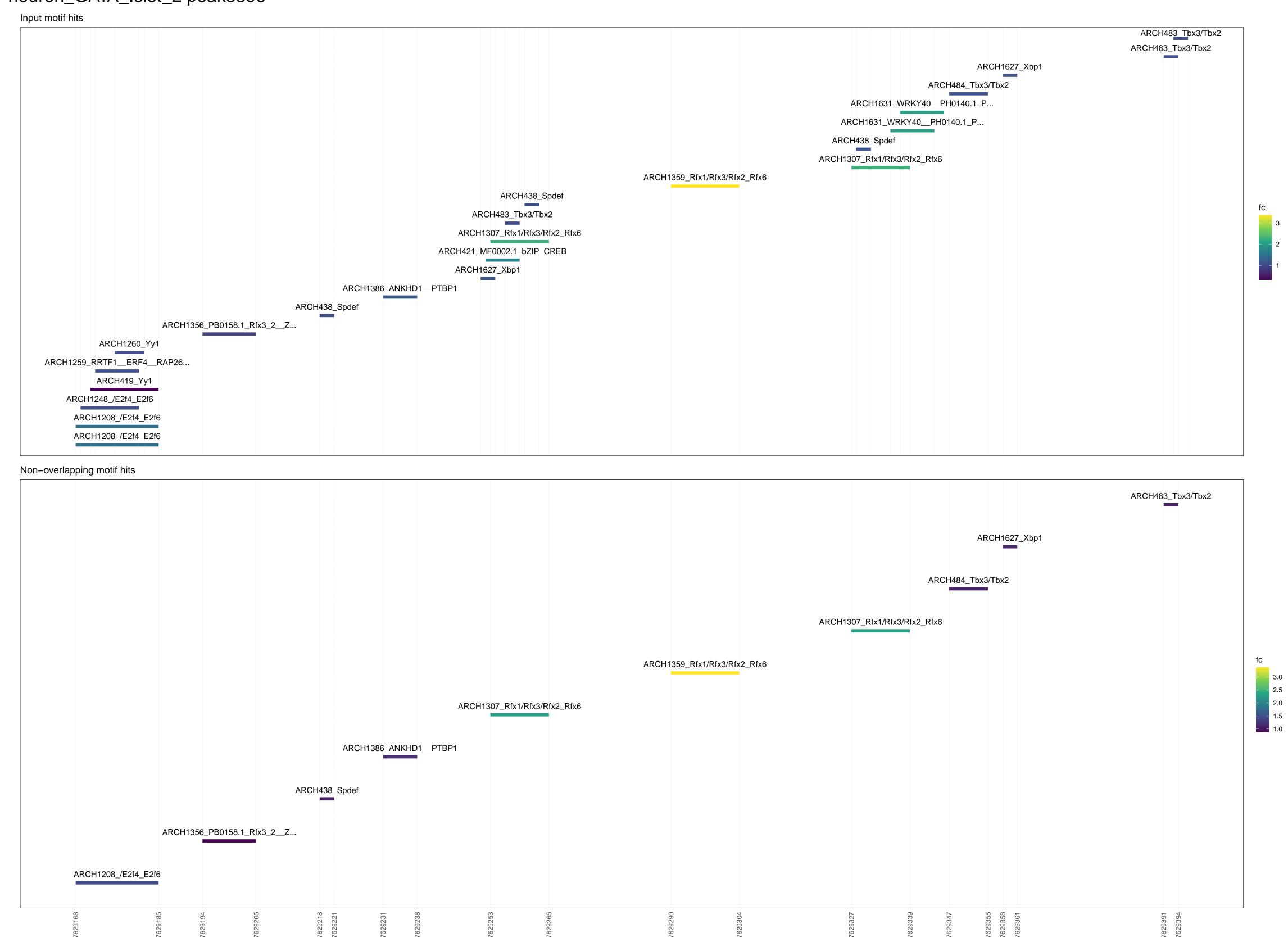


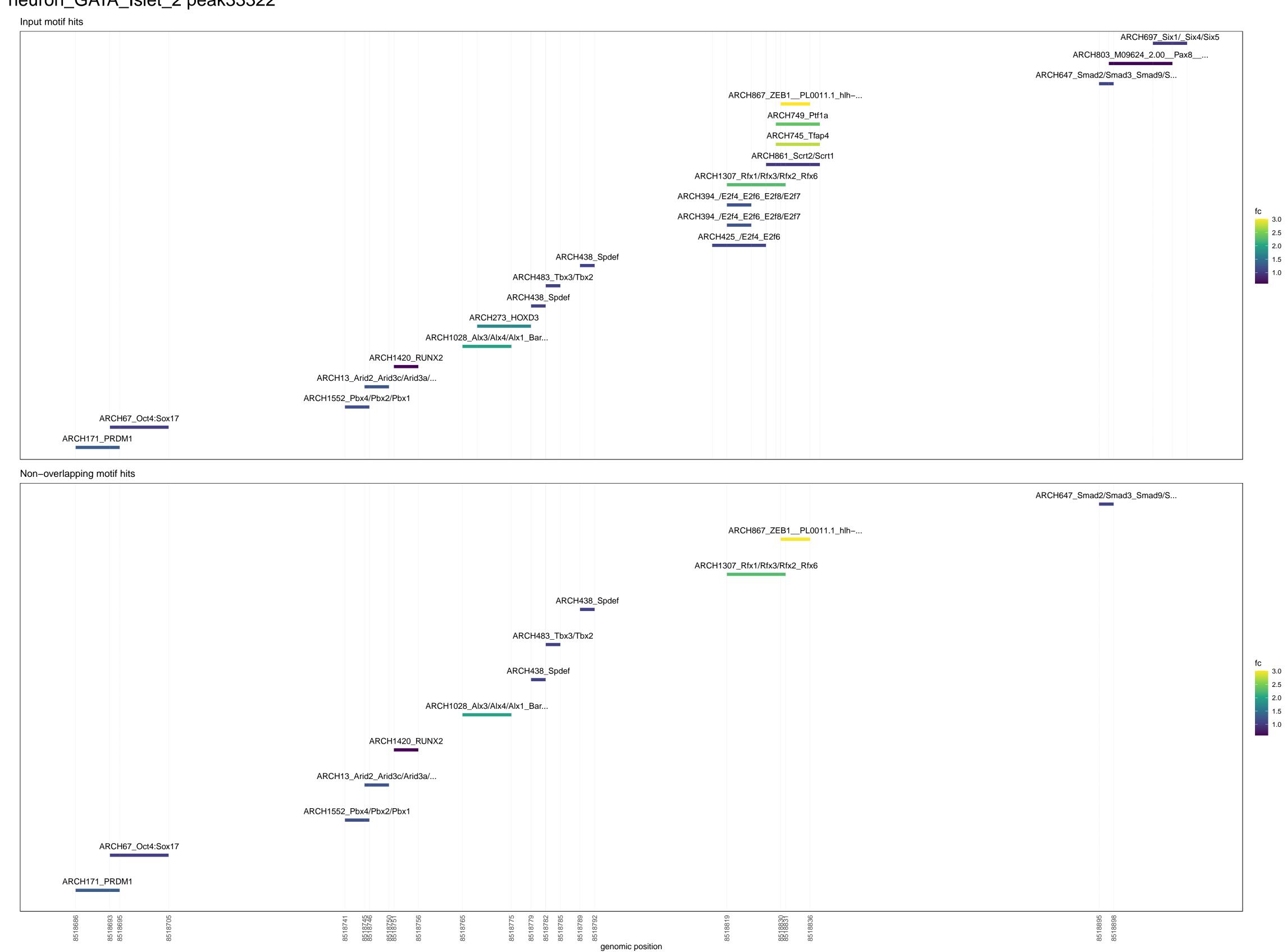


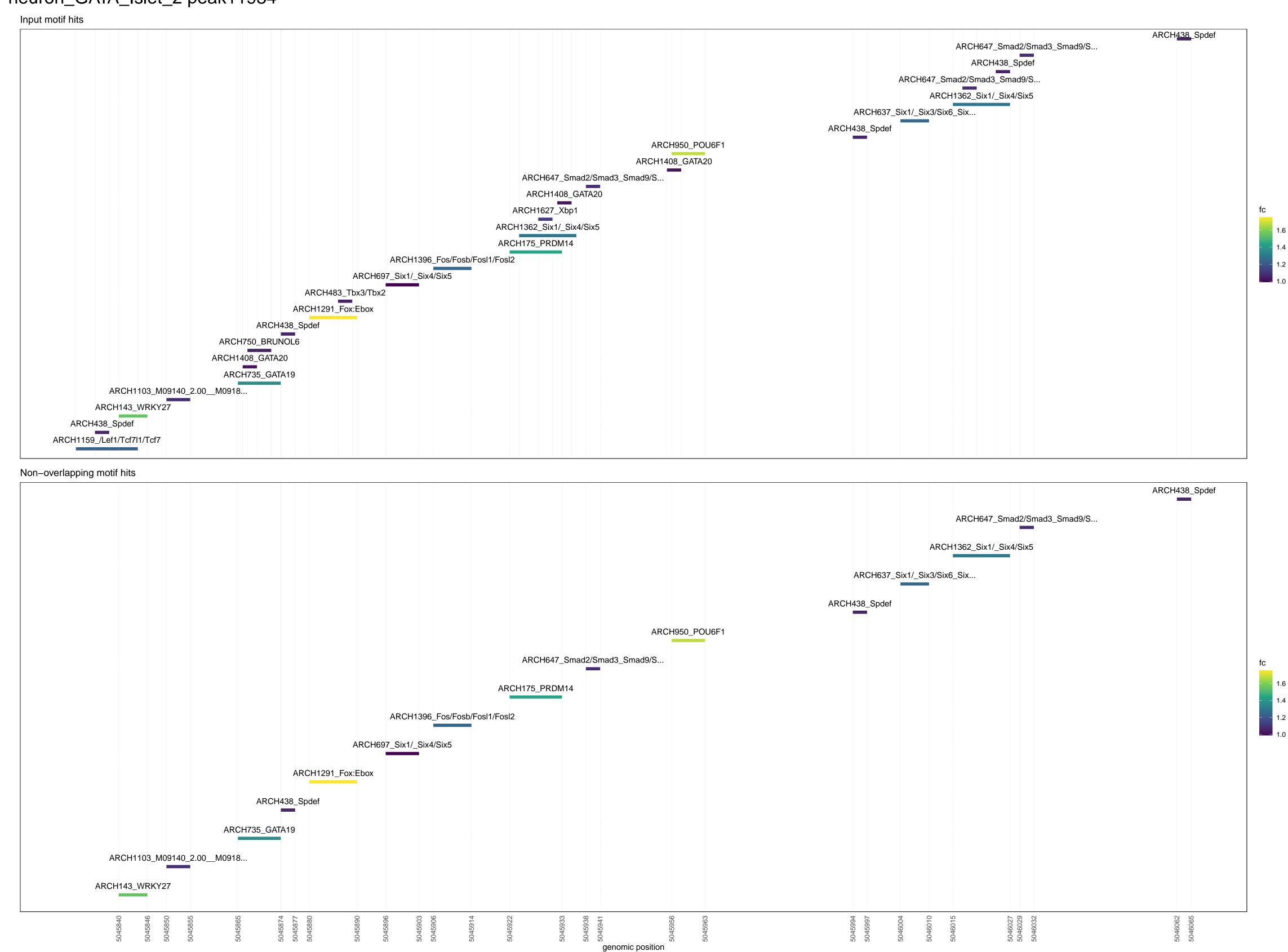


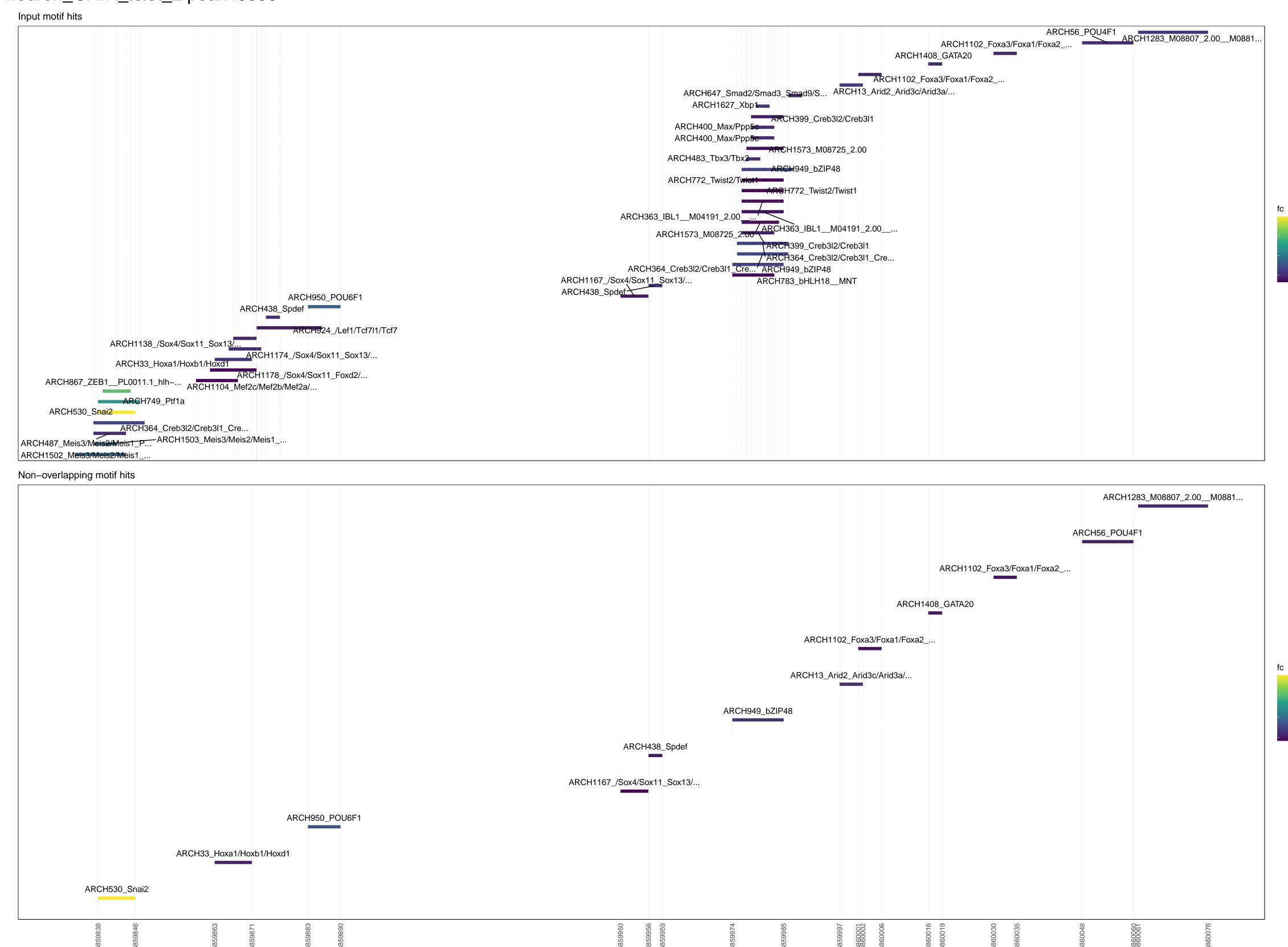


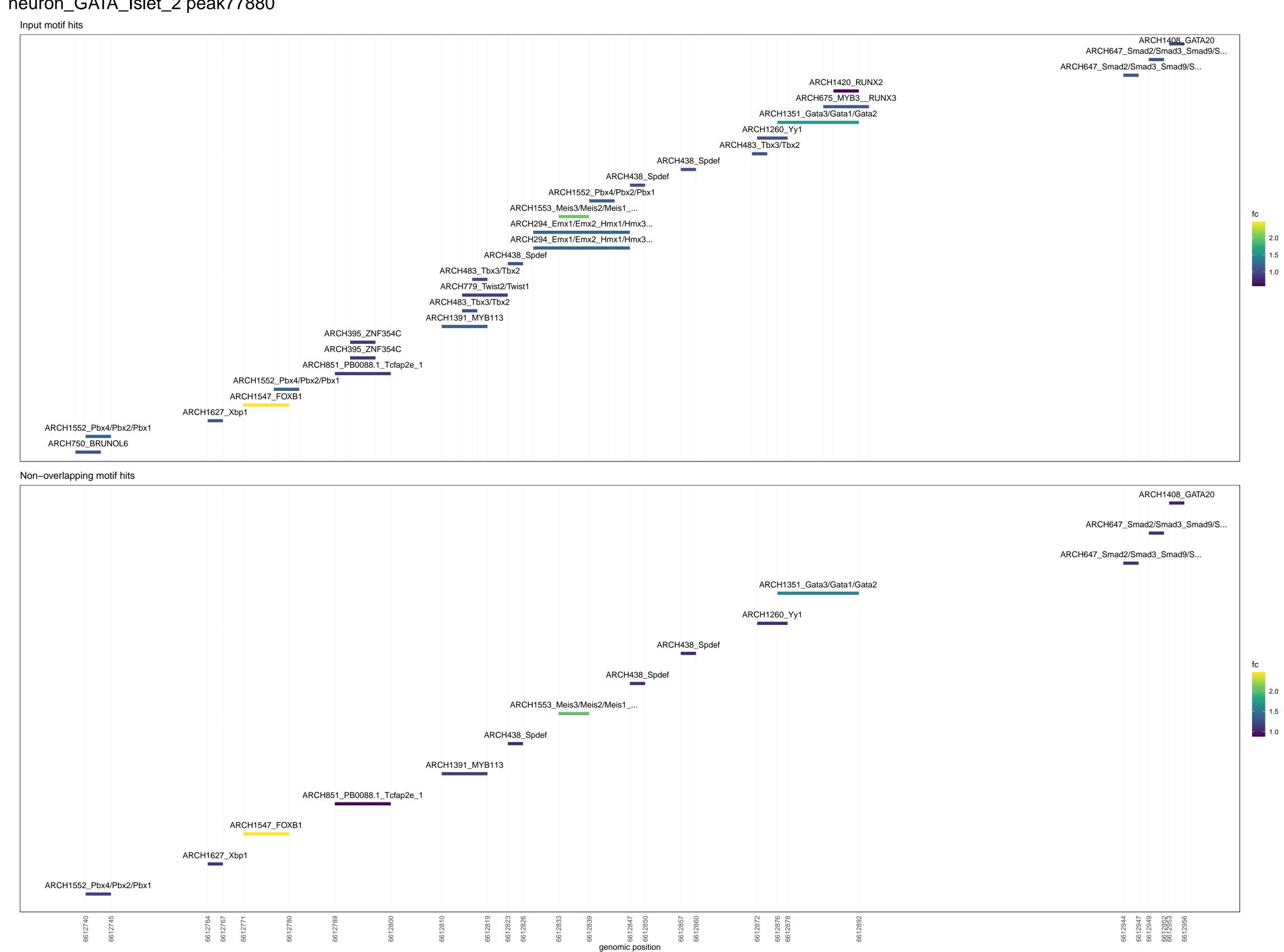
neuron_GATA_Islet_2 peak112563 Input motif hits ARCH1547_FOXB1 ARCH1631_WRKY40__PH0140.1_P... ARCH1408_GATA20 ARCH1408_GATA20 ARCH129_PB0178.1_Sox8_2 ARCH483_Tbx3/Tbx2 ARCH123_/Duxbl1/_/Duxbl1//A... ARCH1502_Meis3/Meis2/Meis1_... ARCH1519_Nkx2-2/Nkx2-9 ARCH1521_Nkx2-2/Nkx2-9 ARCH1539_Nkx2-2/Nkx2-9 ARCH803_M09624_2.00__Pax8__. ARCH487_Meis3/Meis2/Meis1_P... ARCH867_ZEB1__PL0011.1_hlh-... ARCH530_Snai2 ARCH1552_Pbx4/Pbx2/Pbx1 ARCH438_Spdef Non-overlapping motif hits ARCH1547_FOXB1 ARCH1408_GATA20 ARCH1408_GATA20 ARCH129_PB0178.1_Sox8_2 ARCH483_Tbx3/Tbx2 ARCH1502_Meis3/Meis2/Meis1_... ARCH803_M09624_2.00__Pax8__... ARCH530_Snai2 ARCH1552_Pbx4/Pbx2/Pbx1 ARCH438_Spdef

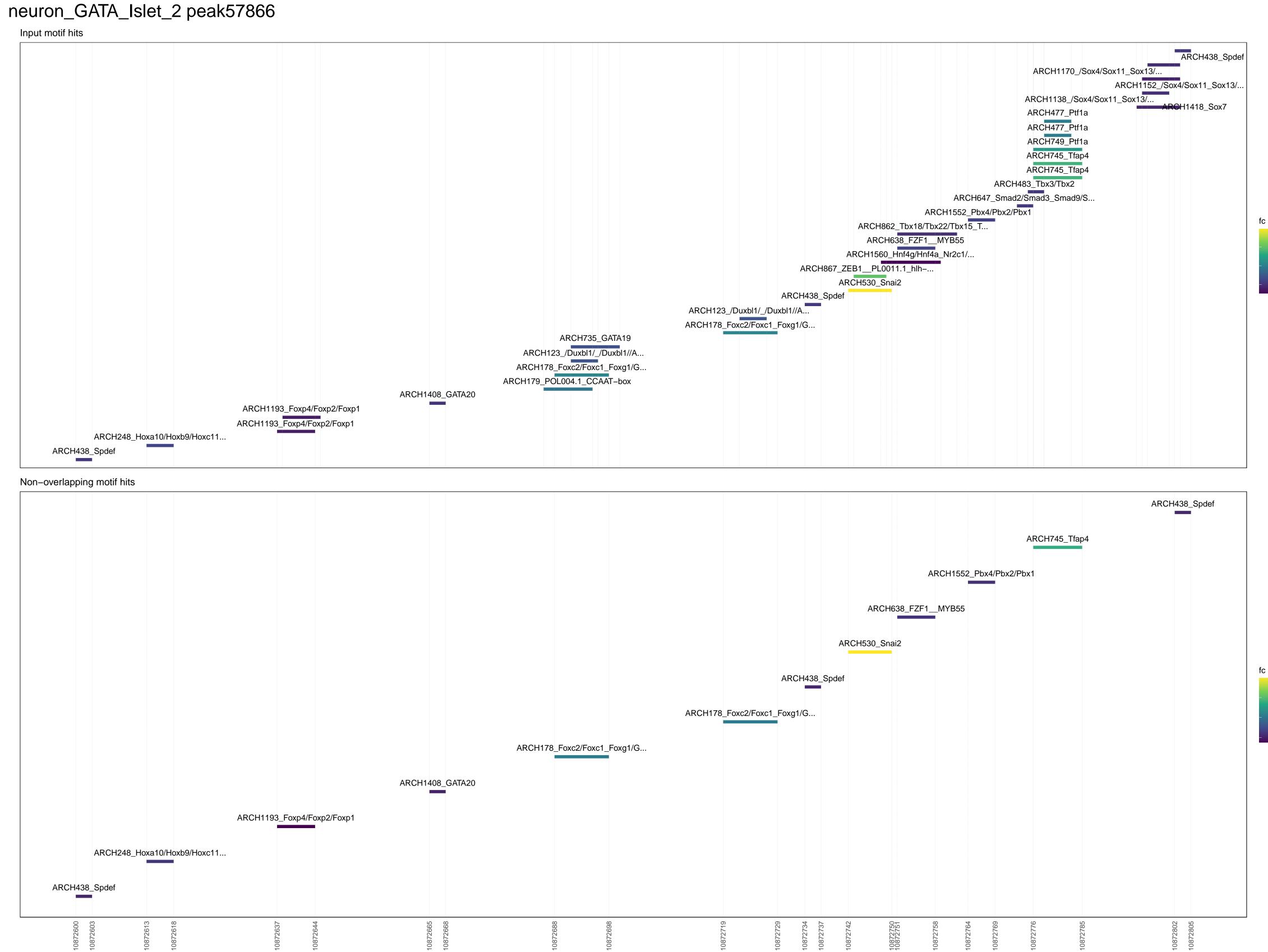


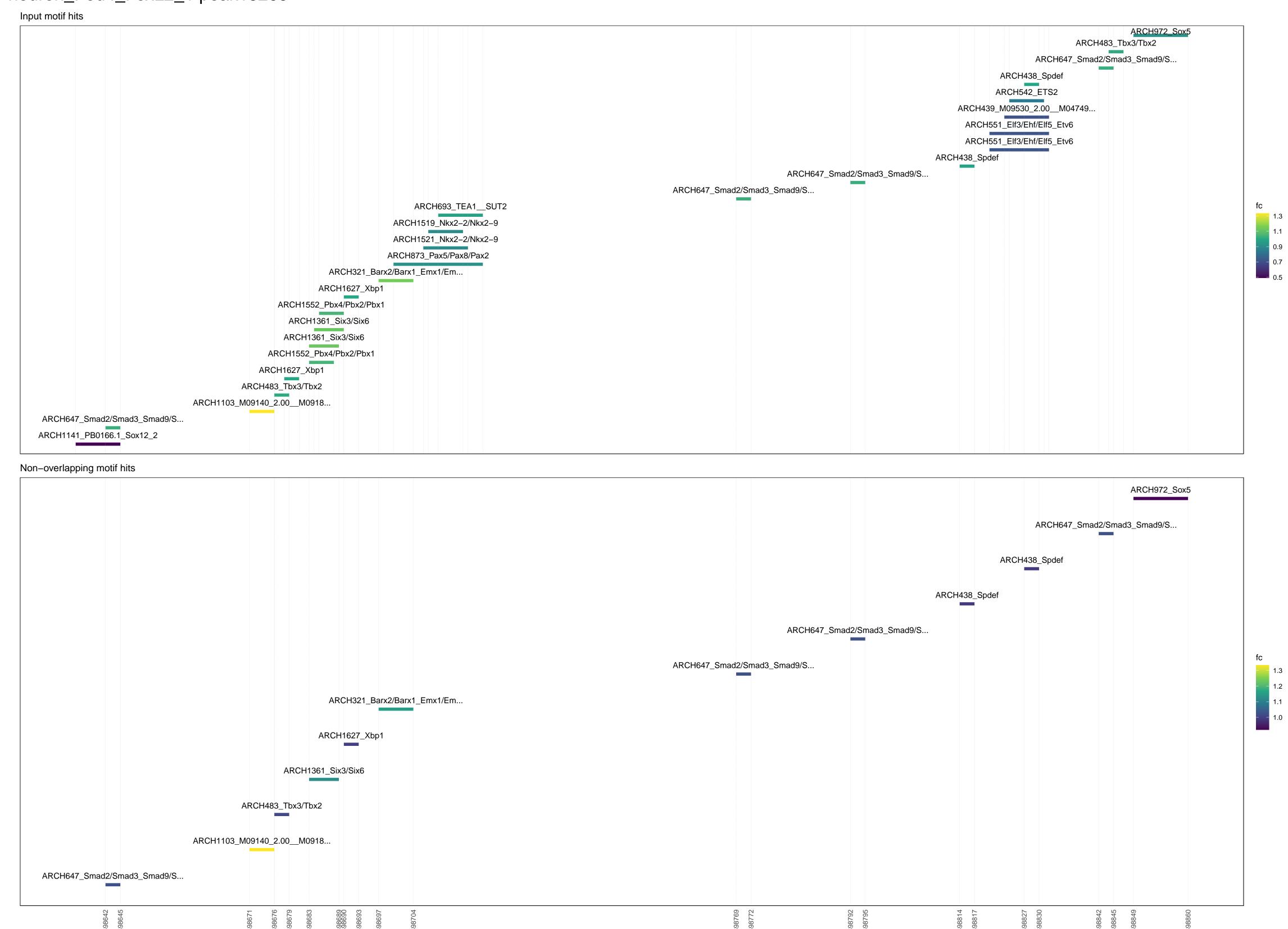




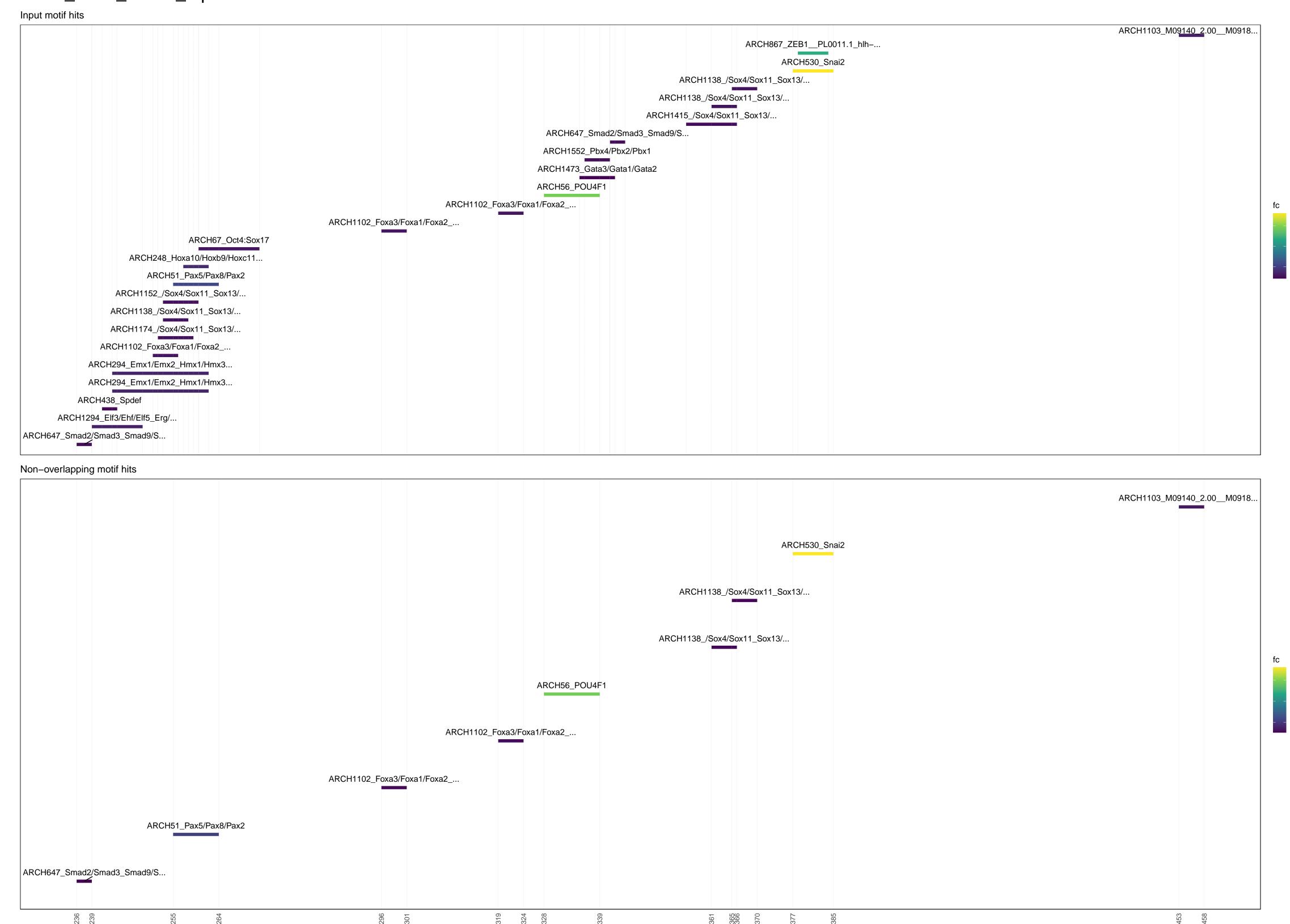




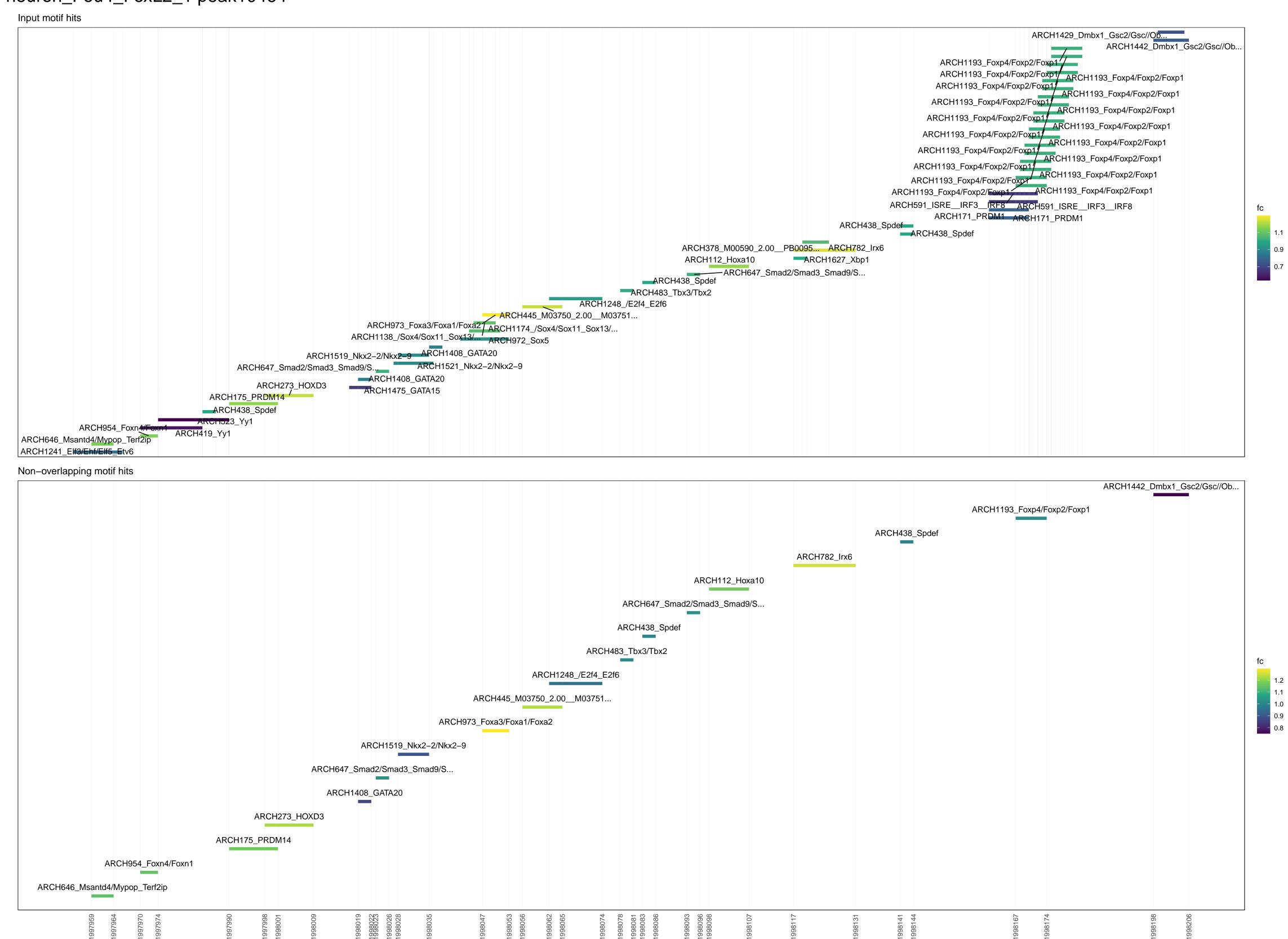


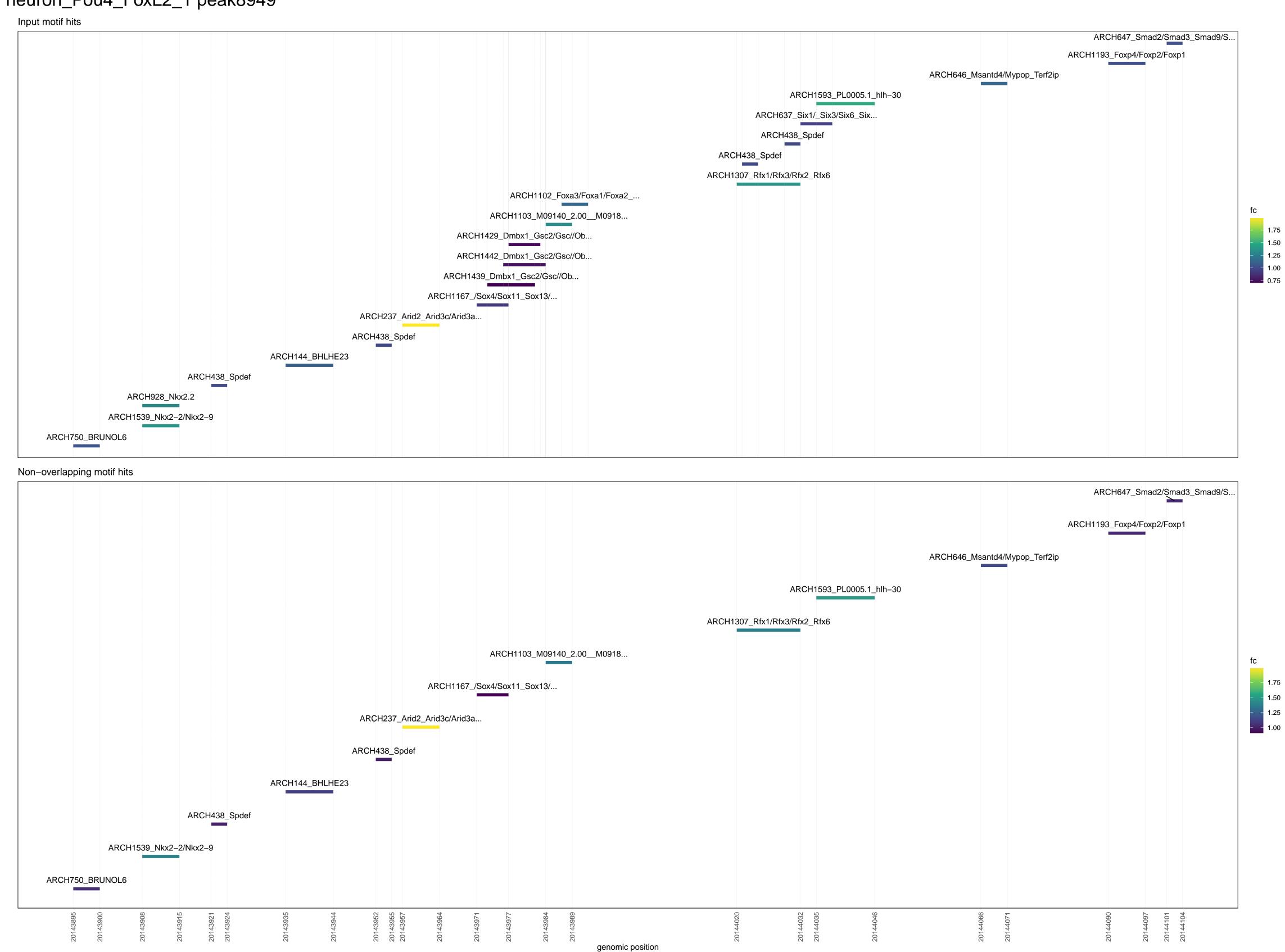


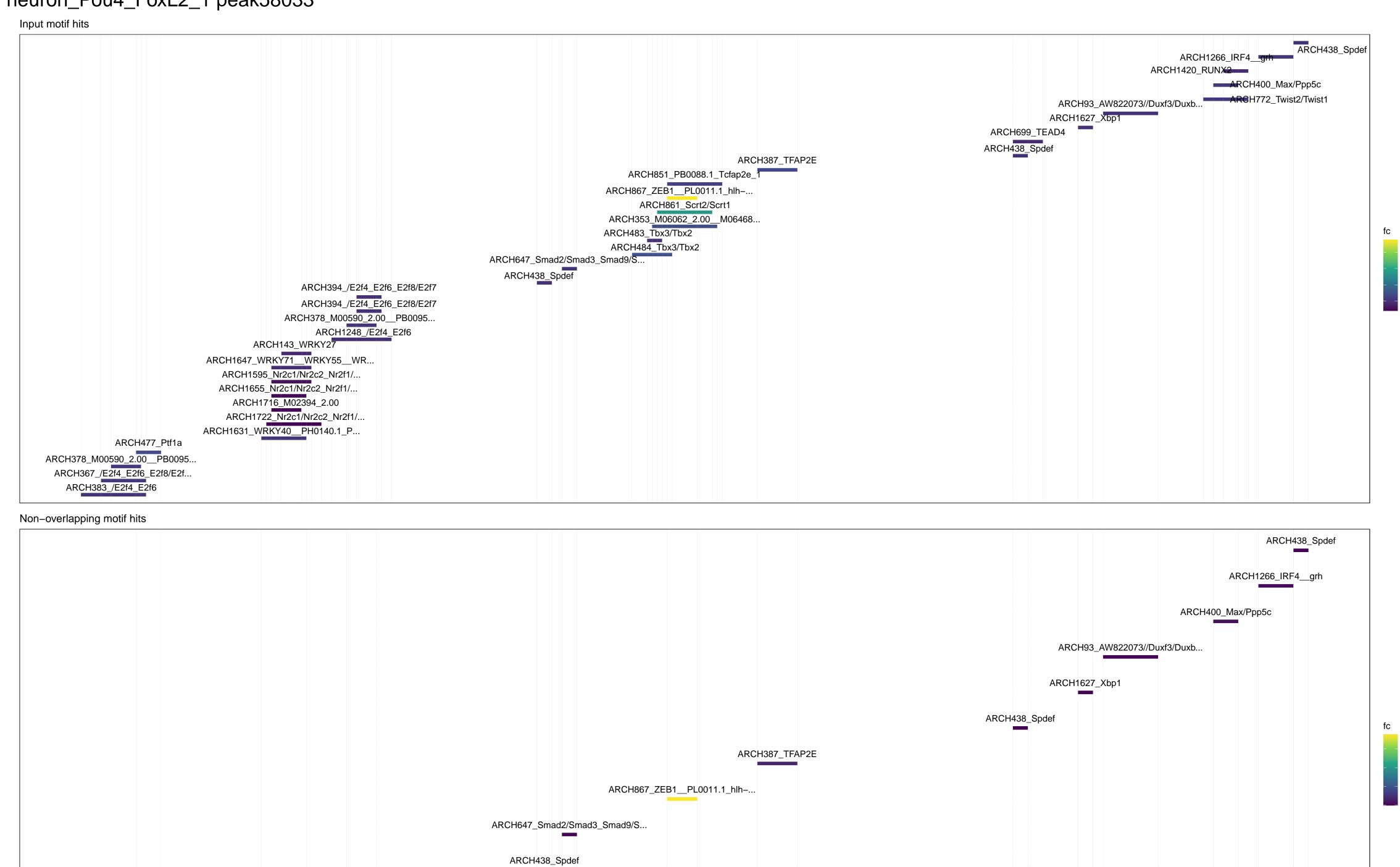
neuron_Pou4_FoxL2_1 peak37429 Input motif hits ARCH1408_GATA20 ARCH647_Smad2/Smad3_Smad9/S... ARCH1519_Nkx2-2/Nkx2-9 ARCH438_Spdef ARCH543_PB0140.1_Irf6_2__ZN... ARCH647_Smad2/Smad3_Smad9/S... ARCH1439_Dmbx1_Gsc2/Gsc//Ob... ARCH1429_Dmbx1_Gsc2/Gsc//Ob... ARCH1442_Dmbx1_Gsc2/Gsc//Ob... ARCH13_Arid2_Arid3c/Arid3a/... 1.2 ARCH647_Smad2/Smad3_Smad9/S... 1.0 ARCH647_Smad2/Smad3_Smad9/S... ARCH928_Nkx2.2 ARCH1560_Hnf4g/Hnf4a_Nr2c1/... ARCH248_Hoxa10/Hoxb9/Hoxc11... ARCH438_Spdef ARCH1552_Pbx4/Pbx2/Pbx1 ARCH1463_Gata3/Gata1/Gata2 ARCH1463_Gata3/Gata1/Gata2 ARCH483_Tbx3/Tbx2 Non-overlapping motif hits ARCH1408_GATA20 ARCH647_Smad2/Smad3_Smad9/S... ARCH1519_Nkx2-2/Nkx2-9 ARCH438_Spdef ARCH543_PB0140.1_Irf6_2__ZN... ARCH647_Smad2/Smad3_Smad9/S... ARCH1442_Dmbx1_Gsc2/Gsc//Ob... ARCH13_Arid2_Arid3c/Arid3a/... 1.2 ARCH647_Smad2/Smad3_Smad9/S... 1.0 ARCH647_Smad2/Smad3_Smad9/S... ARCH928_Nkx2.2 ARCH1560_Hnf4g/Hnf4a_Nr2c1/... ARCH248 Hoxa10/Hoxb9/Hoxc11... ARCH438_Spdef ARCH1552_Pbx4/Pbx2/Pbx1 ARCH483_Tbx3/Tbx2



neuron_Pou4_FoxL2_1 peak100462 Input motif hits ARCH438_Spdef ARCH248_Hoxa10/Hoxb9/Hoxc11... ARCH647_Smad2/Smad3_Smad9/S... ARCH421_MF0002.1_bZIP_CREB ARCH67_Oct4:Sox17 ARCH1170_/Sox4/Sox11_Sox13/... ARCH1155_/Sox4/Sox11_Sox13/... ARCH1155_/Sox4/Sox11_Sox13/... ARCH67_Oct4:Sox17 ARCH483_Tbx3/Tbx2 ARCH647_Smad2/Smad3_Smad9/S... ARCH693_TEA1__SUT2 ARCH483_Tbx3/Tbx2 ARCH1552_Pbx4/Pbx2/Pbx1 ARCH438_Spdef ARCH928_Nkx2.2 ARCH1539_Nkx2-2/Nkx2-9 Non-overlapping motif hits ARCH438_Spdef ARCH248_Hoxa10/Hoxb9/Hoxc11... ARCH421_MF0002.1_bZIP_CREB ARCH1155_/Sox4/Sox11_Sox13/... ARCH483_Tbx3/Tbx2 2.00 ARCH647_Smad2/Smad3_Smad9/S... 1.75 1.50 1.25 ARCH693_TEA1__SUT2 ARCH483_Tbx3/Tbx2 ARCH1552_Pbx4/Pbx2/Pbx1 ARCH438_Spdef ARCH1539_Nkx2-2/Nkx2-9



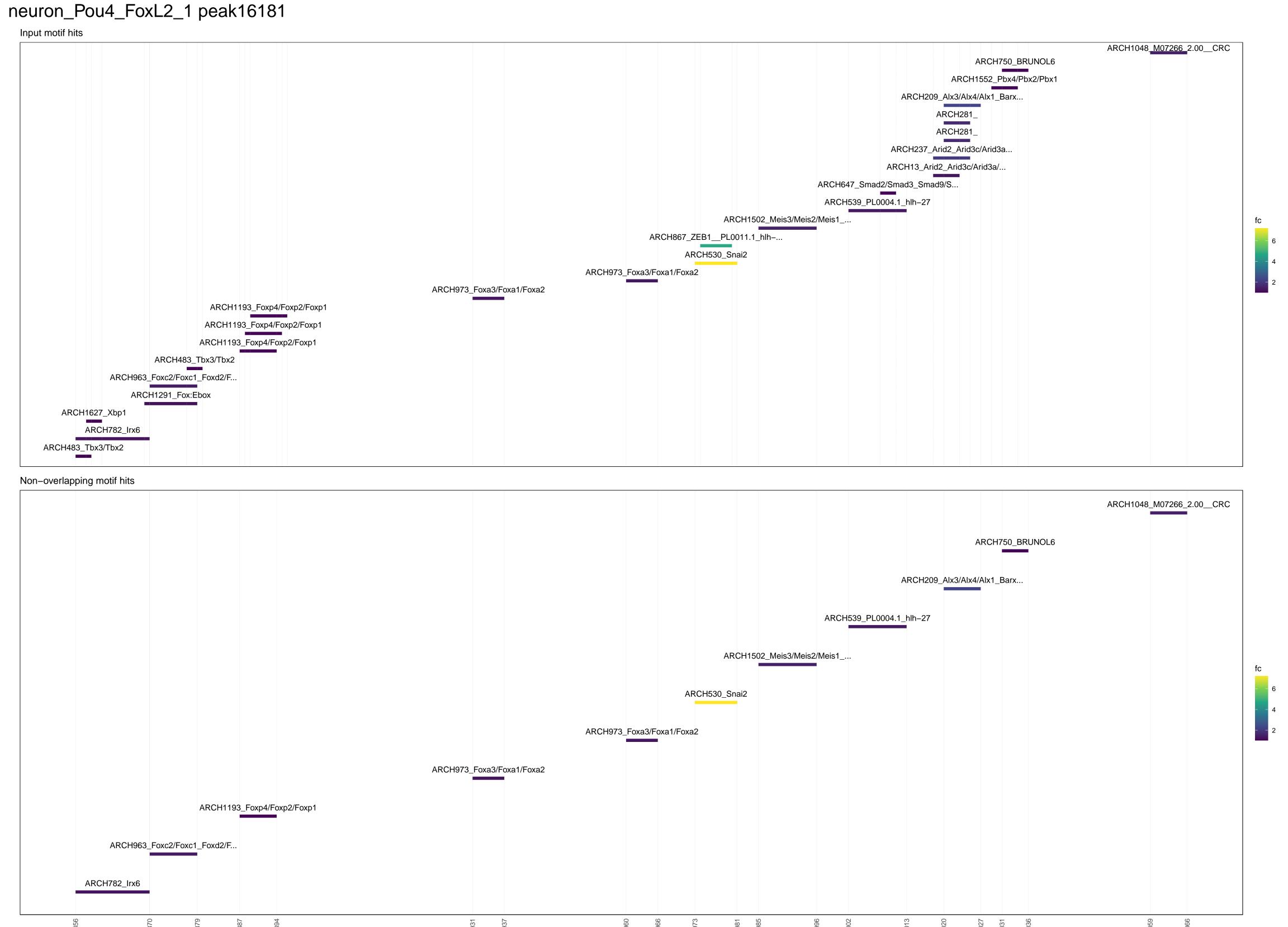


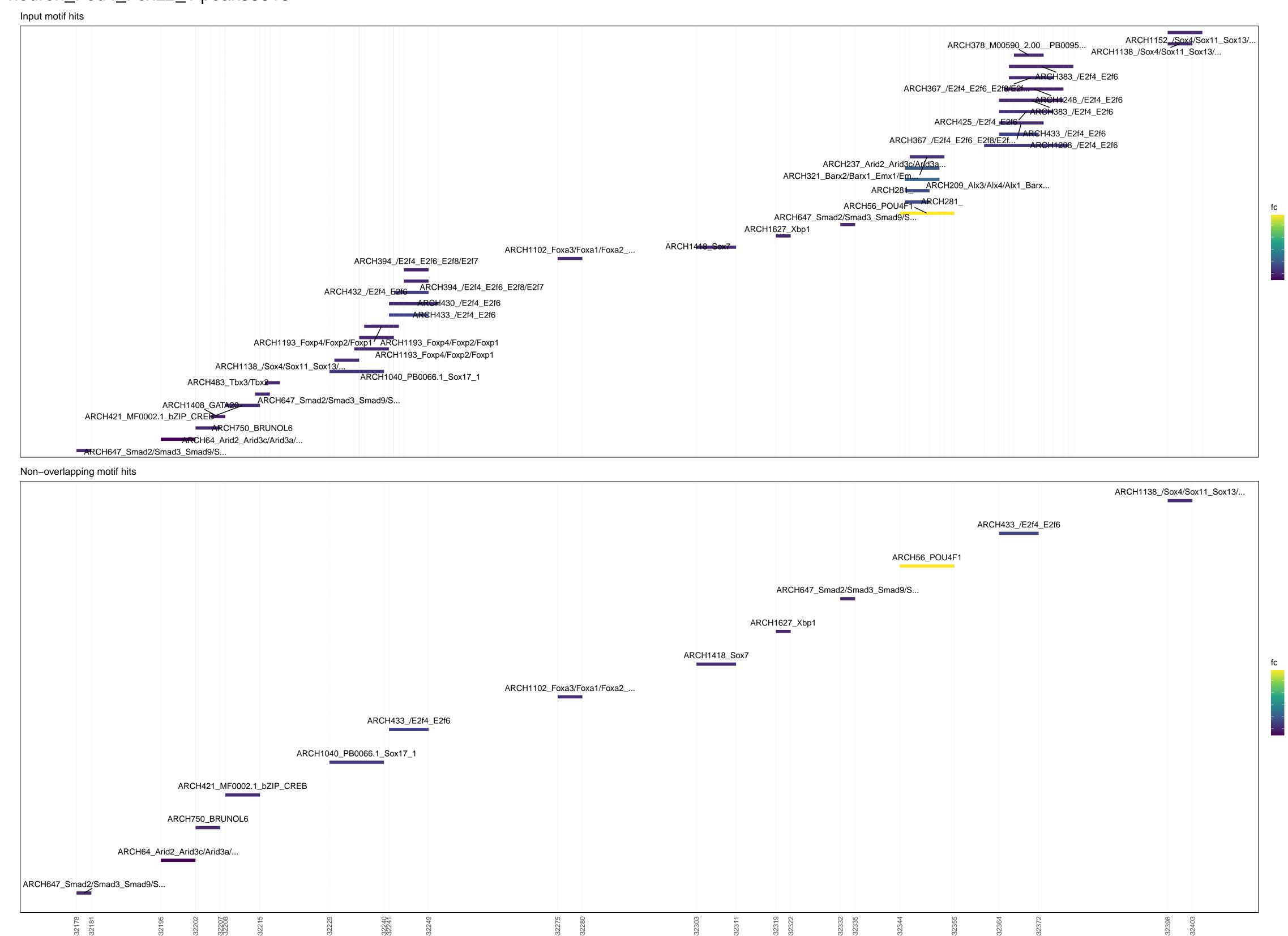


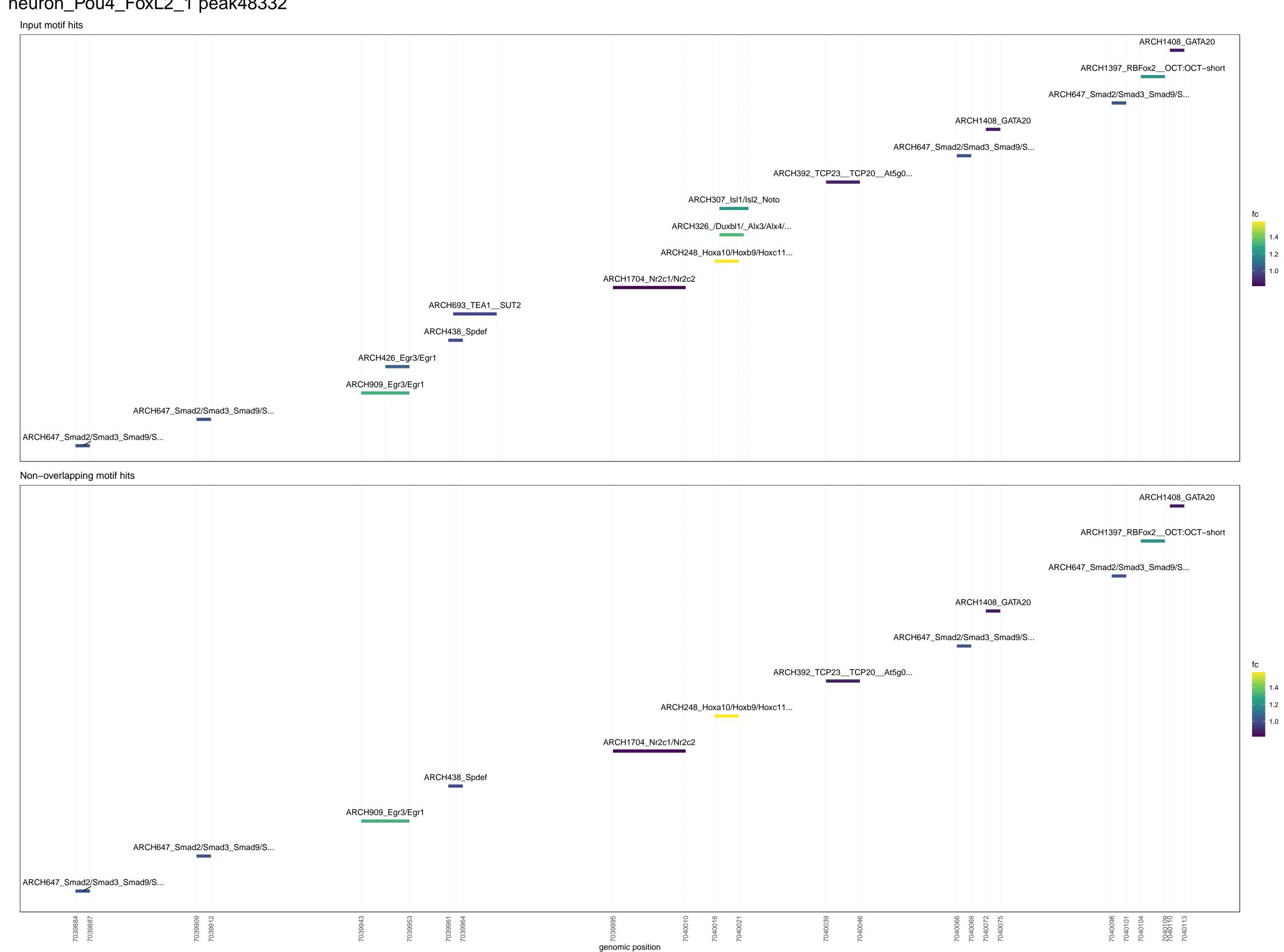
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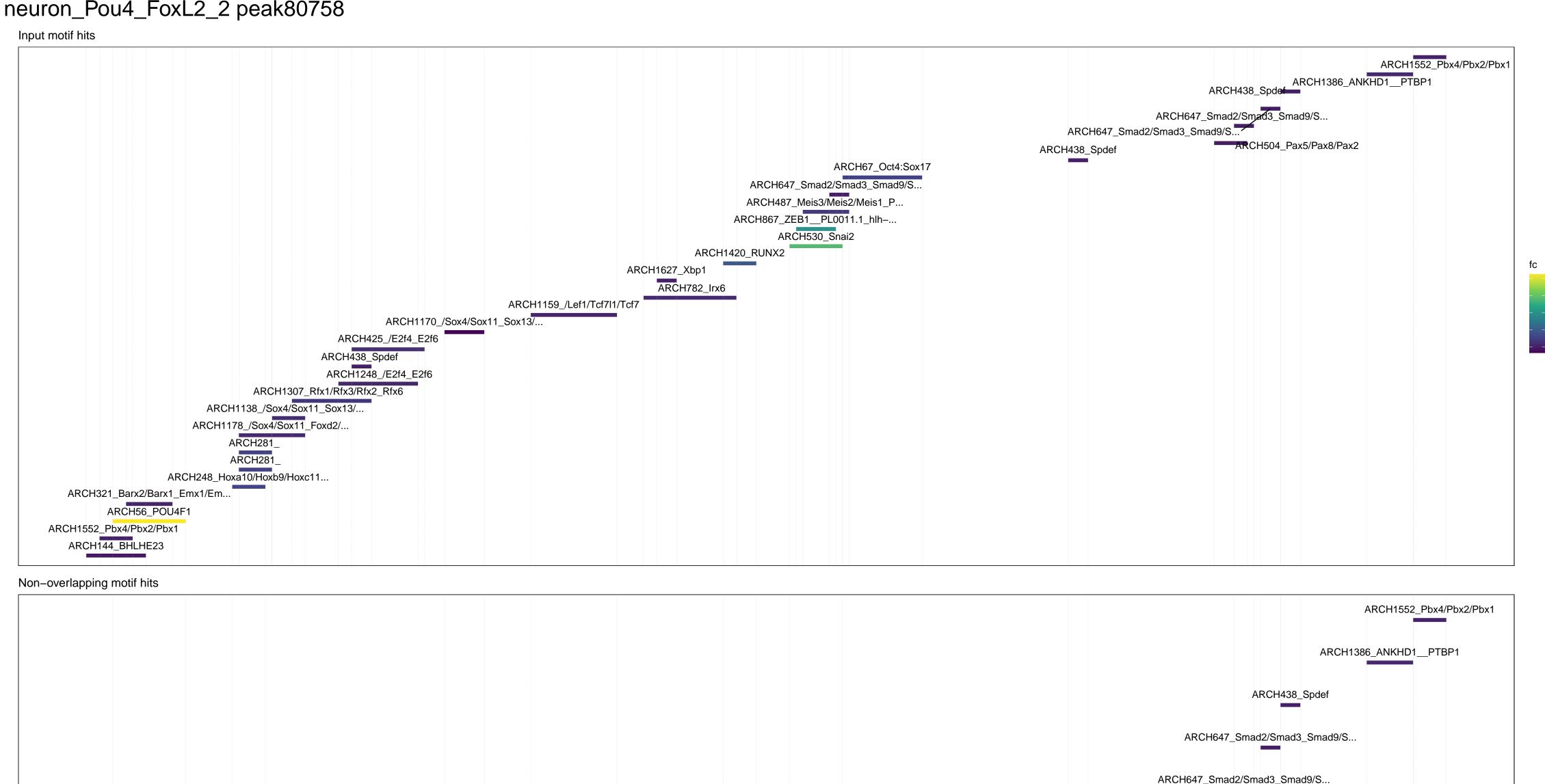
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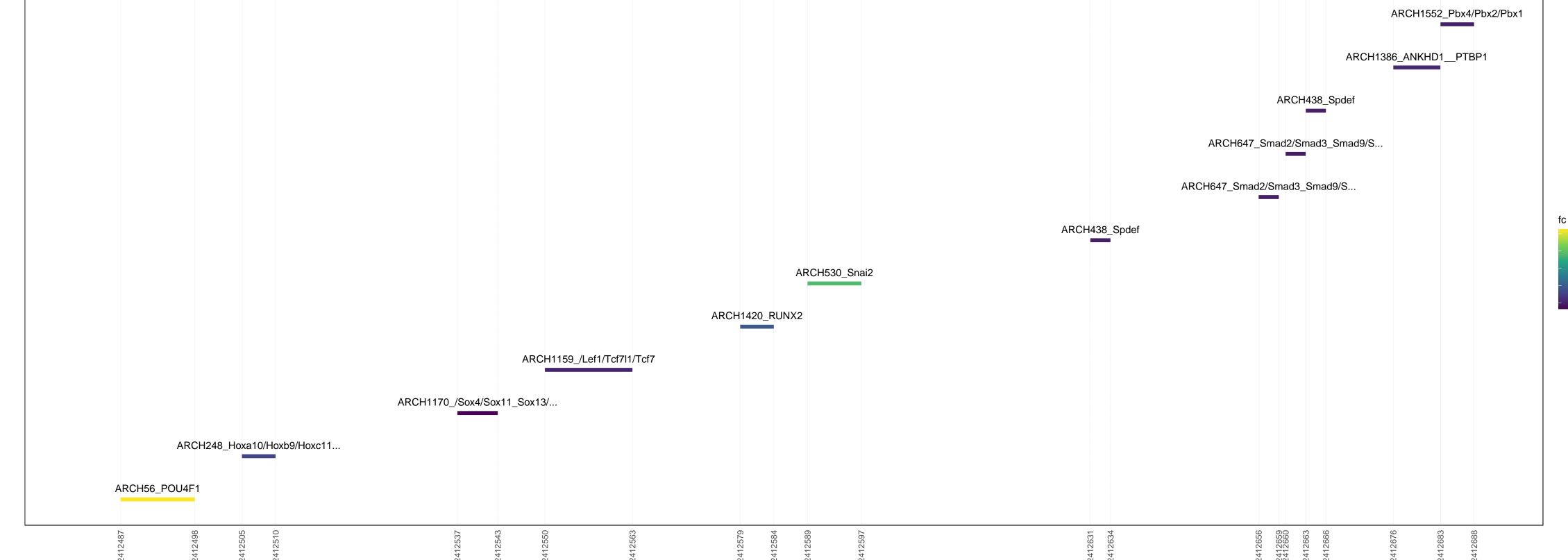
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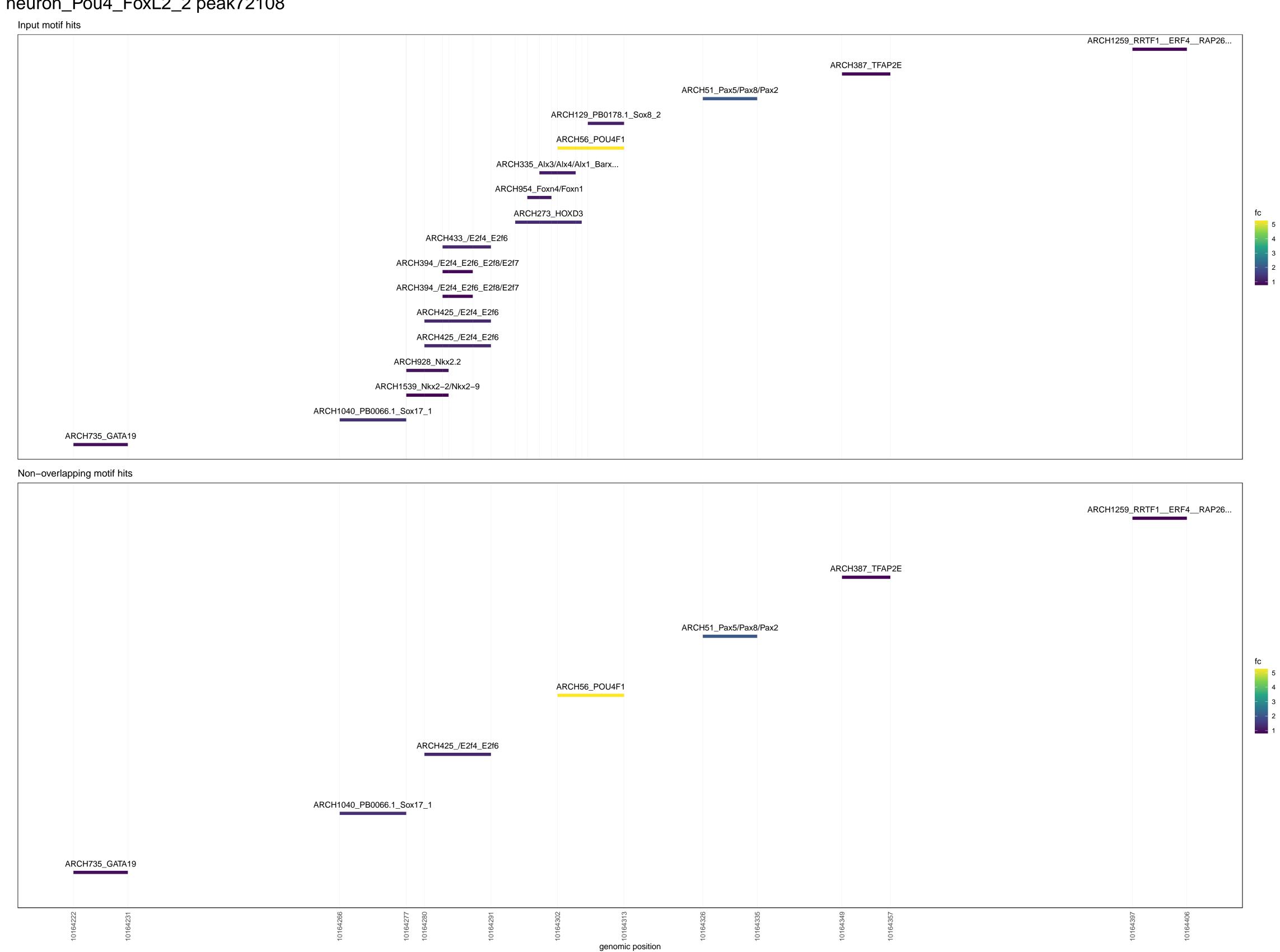




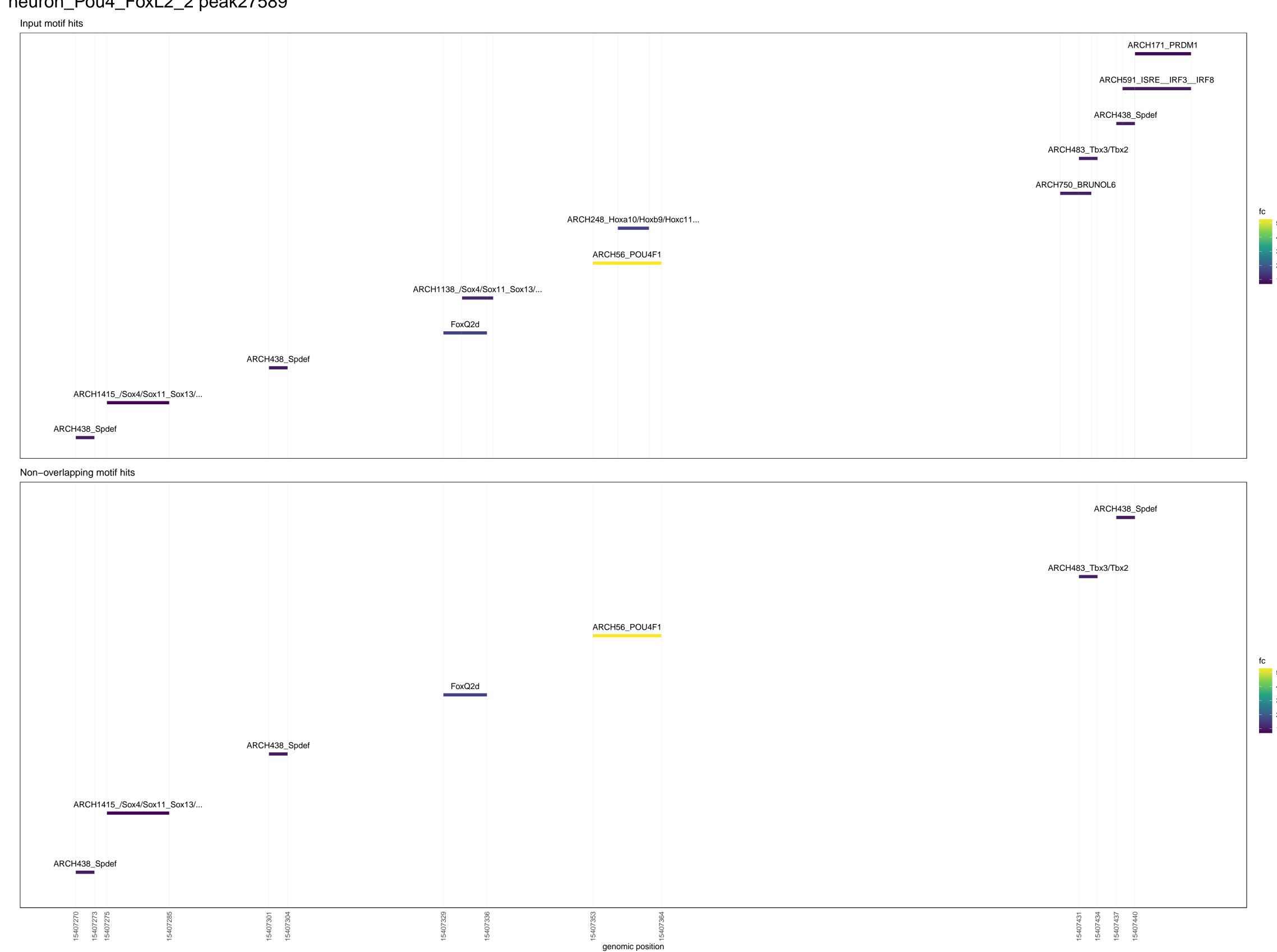


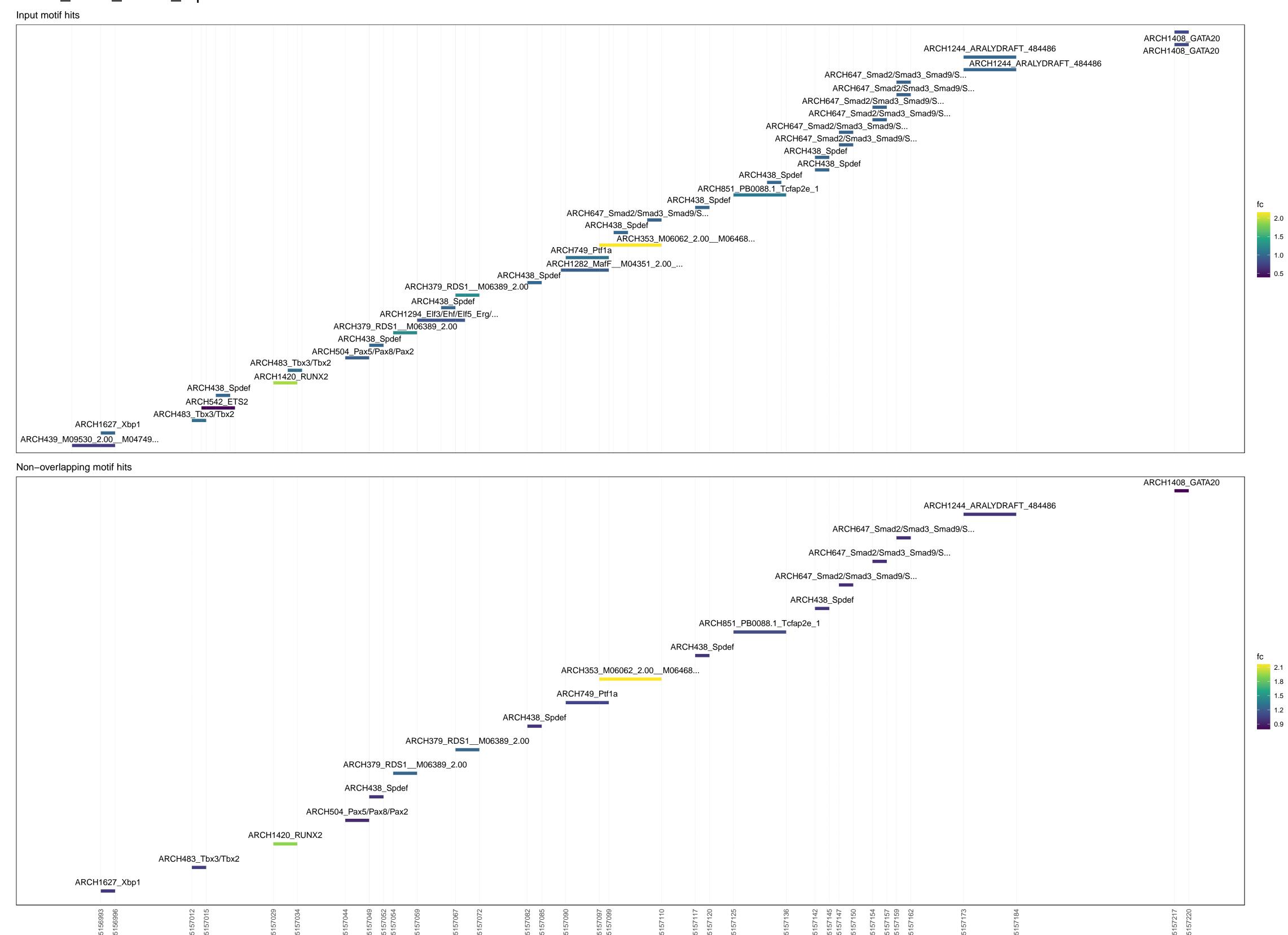


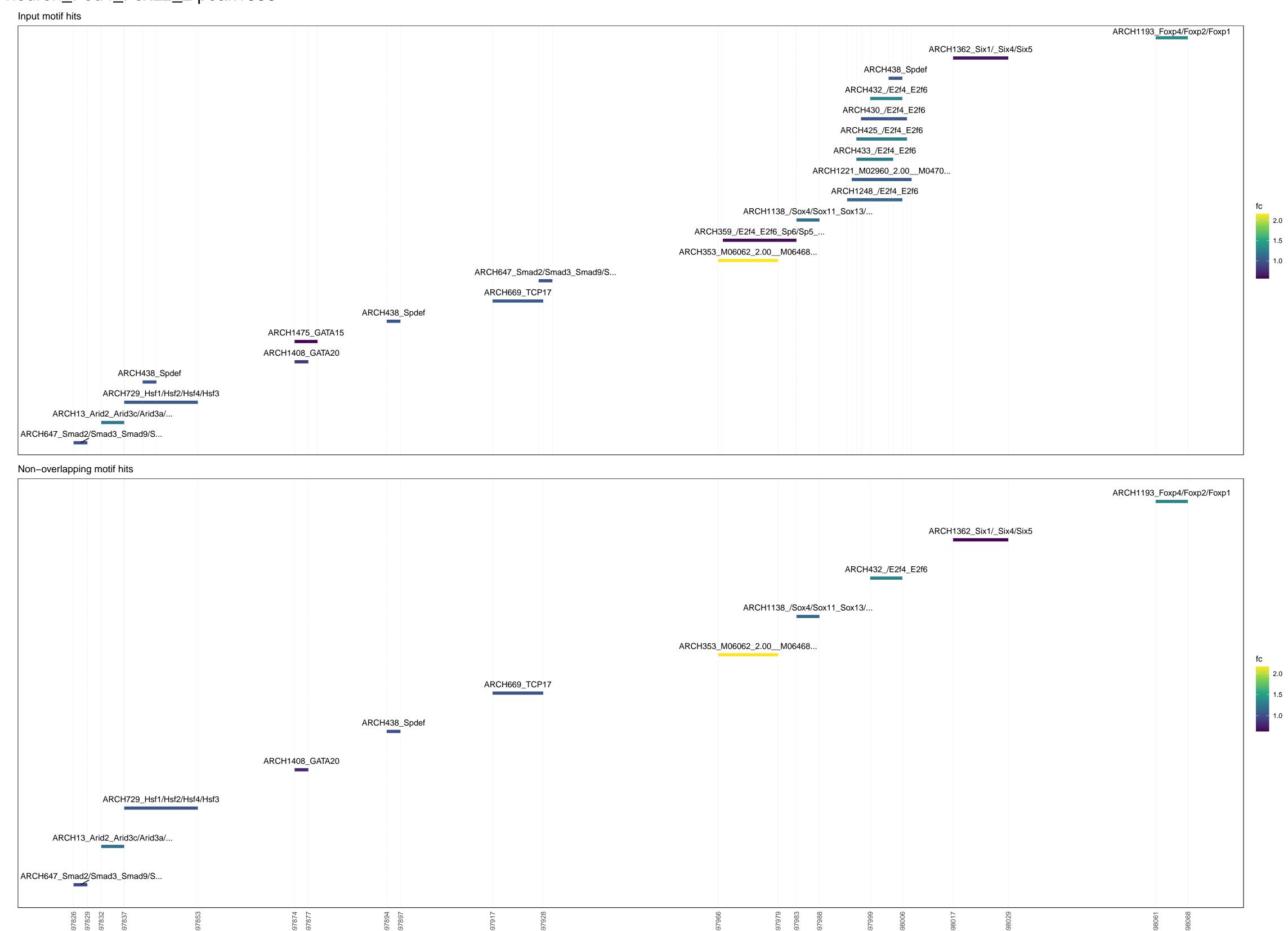


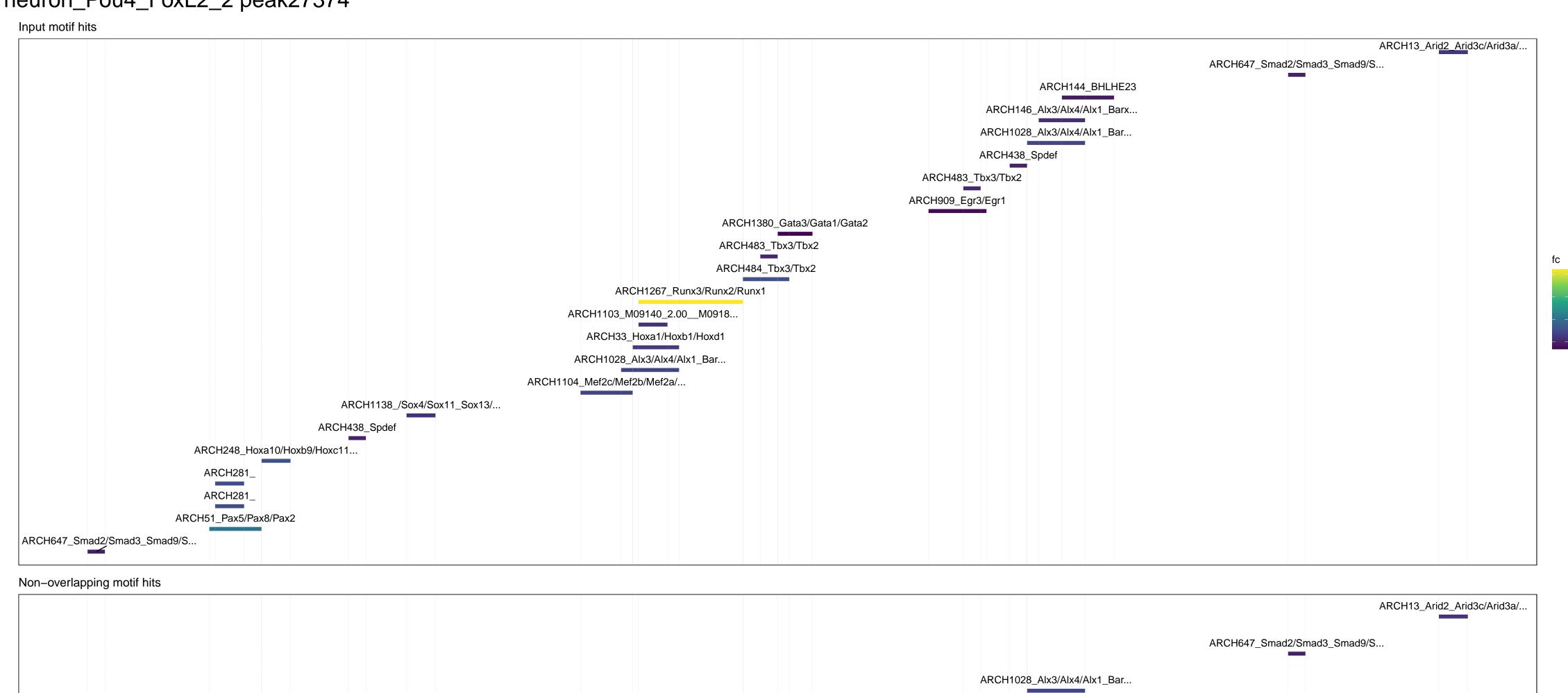


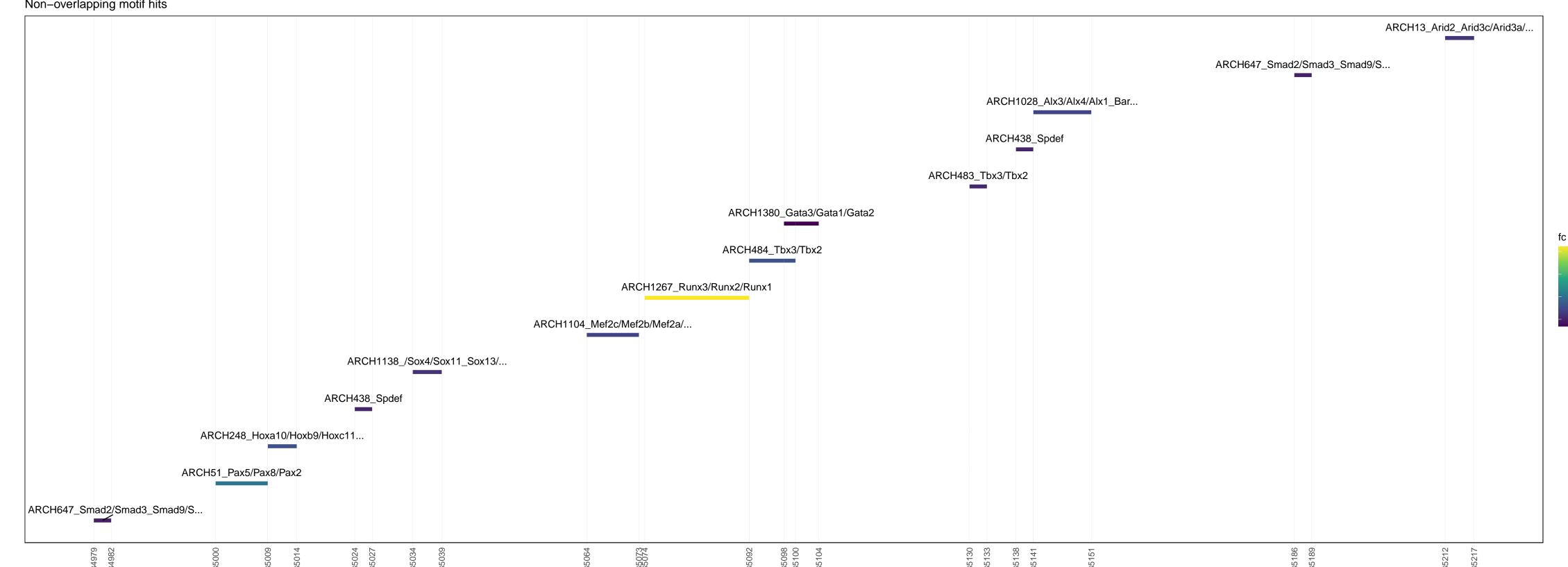
neuron_Pou4_FoxL2_2 peak98568 Input motif hits ARCH172_PB0048.1_Nkx3-1_1 ARCH928_Nkx2.2 ARCH1539_Nkx2-2/Nkx2-9 ARCH921_ZNF143|STAF__NCU02182 ARCH1138_/Sox4/Sox11_Sox13/... ARCH1103_M09140_2.00__M0918... ARCH1552_Pbx4/Pbx2/Pbx1 ARCH326_/Duxbl1/_Alx3/Alx4/... ARCH183_Barx2/Barx1_Emx1/Em... ARCH1595_Nr2c1/Nr2c2_Nr2f1/... ARCH400_Max/Ppp5c 2.5 2.0 ARCH928_Nkx2.2 1.5 ARCH1539_Nkx2-2/Nkx2-9 1.0 ARCH172_PB0048.1_Nkx3-1_1 ARCH975_Foxd2/Foxd4/Foxd3/F... ARCH963_Foxc2/Foxc1_Foxd2/F... FoxQ2d ARCH1167_/Sox4/Sox11_Sox13/... ARCH1265_TFCP2__Tcfcp2l1__G... ARCH103_Hnf1a/Hnf1b ARCH103_Hnf1a/Hnf1b ARCH13_Arid2_Arid3c/Arid3a/... Non-overlapping motif hits ARCH172_PB0048.1_Nkx3-1_1 ARCH921_ZNF143|STAF__NCU02182 ARCH1138_/Sox4/Sox11_Sox13/... ARCH1103_M09140_2.00__M0918... ARCH326_/Duxbl1/_Alx3/Alx4/... ARCH1595_Nr2c1/Nr2c2_Nr2f1/... 2.5 2.0 ARCH400_Max/Ppp5c 1.5 1.0 ARCH172_PB0048.1_Nkx3-1_1 ARCH975_Foxd2/Foxd4/Foxd3/F... ARCH1265_TFCP2__Tcfcp2l1__G... ARCH103_Hnf1a/Hnf1b ARCH13_Arid2_Arid3c/Arid3a/... 8879149

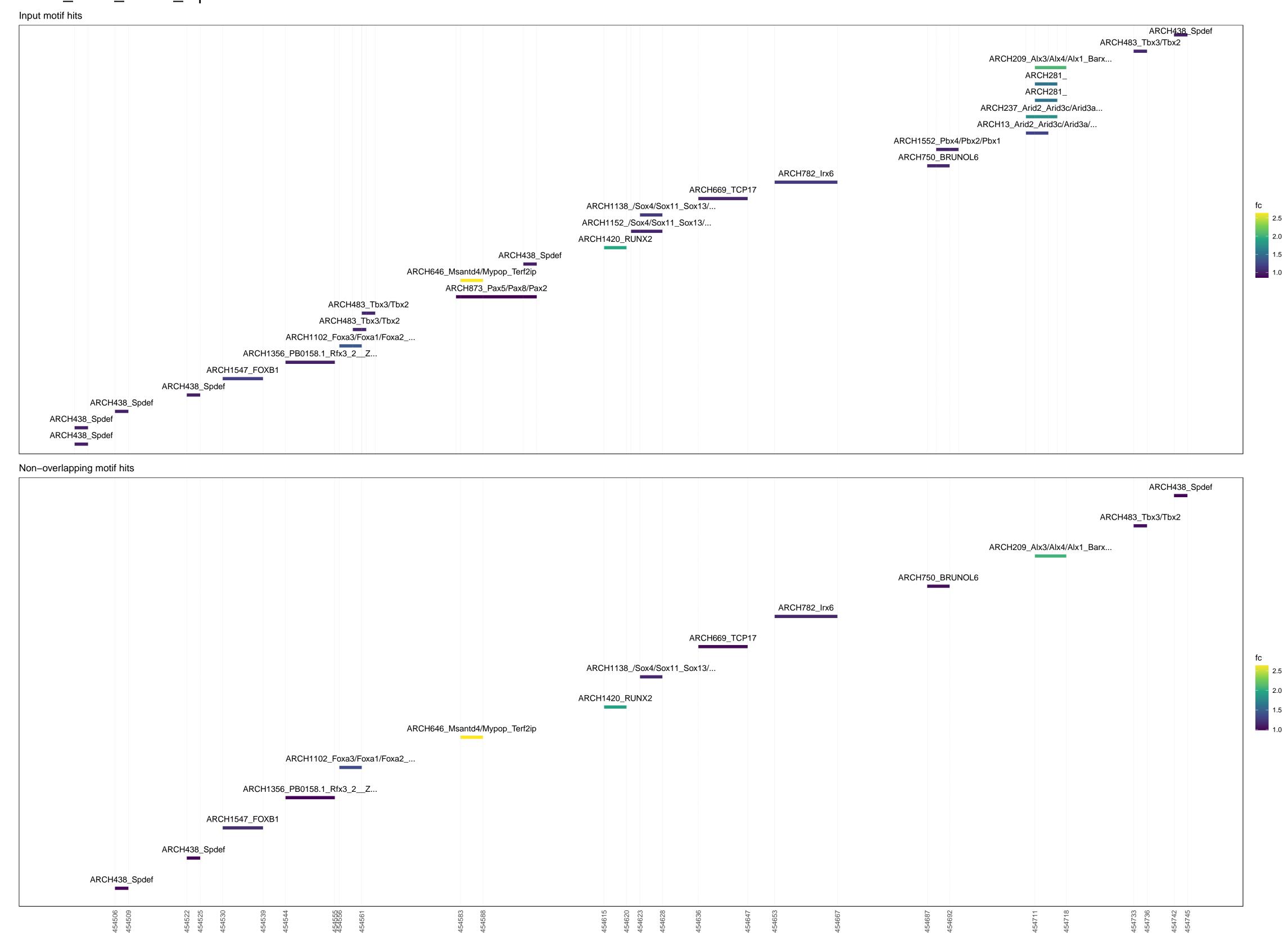






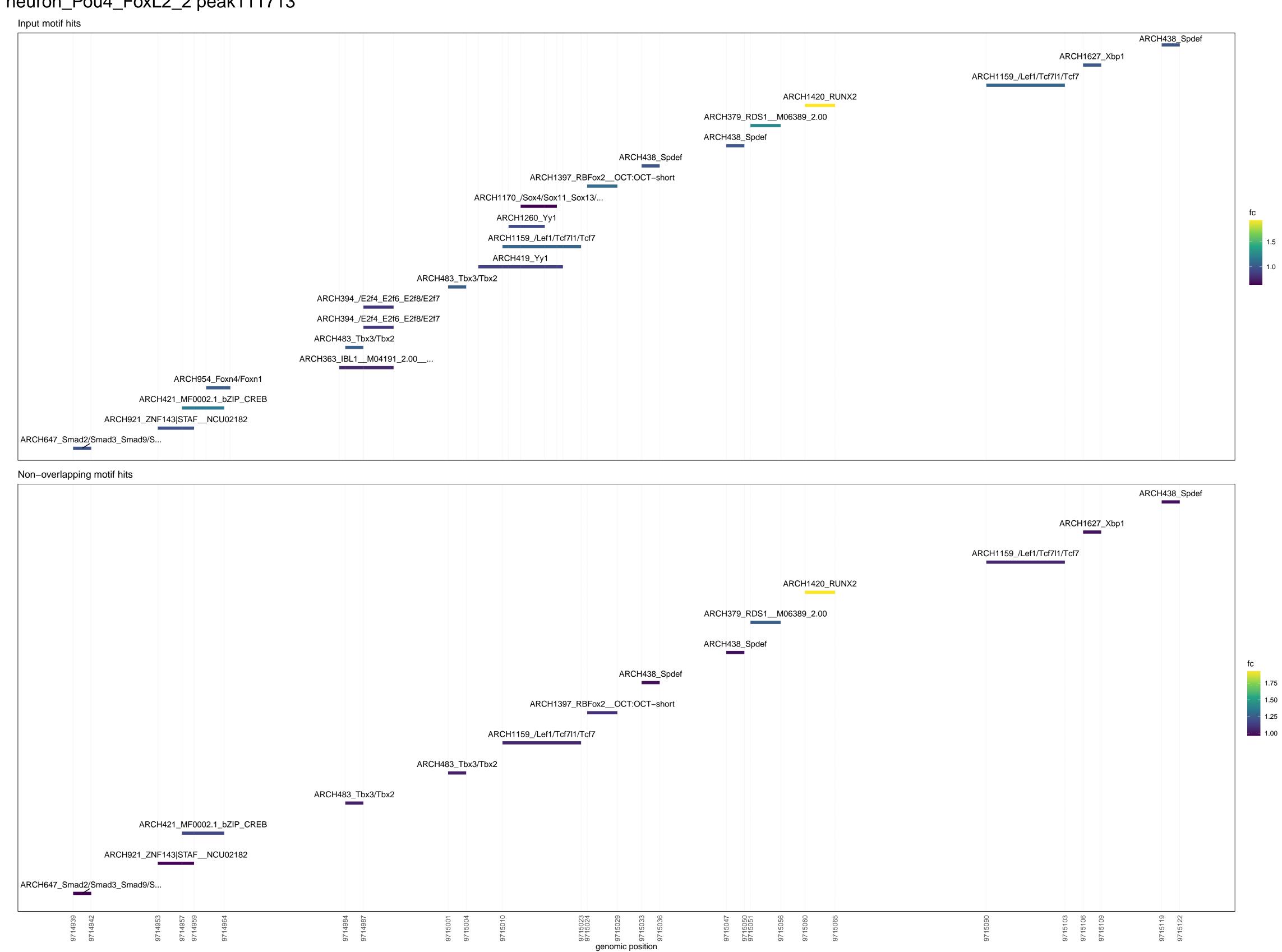


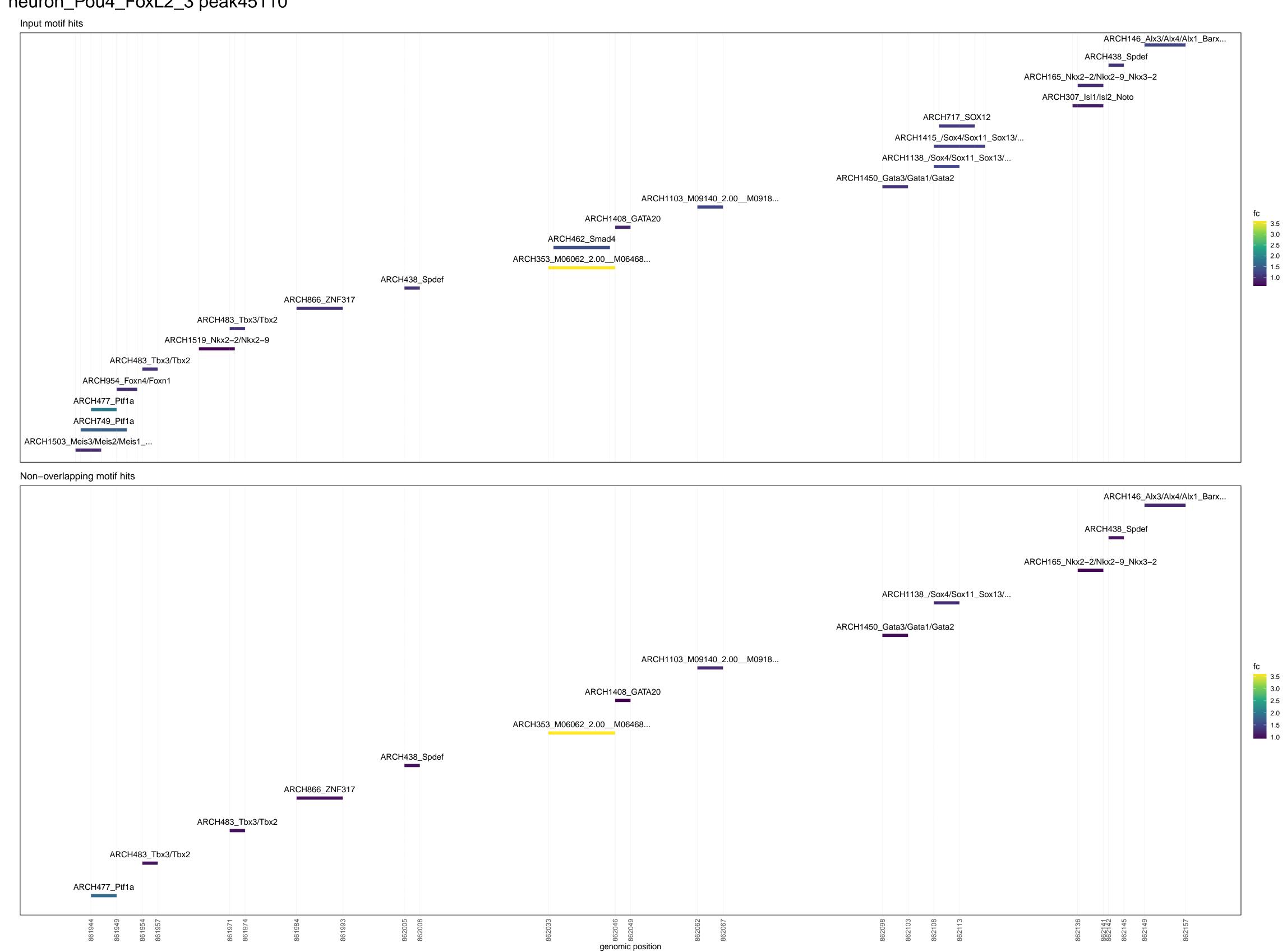


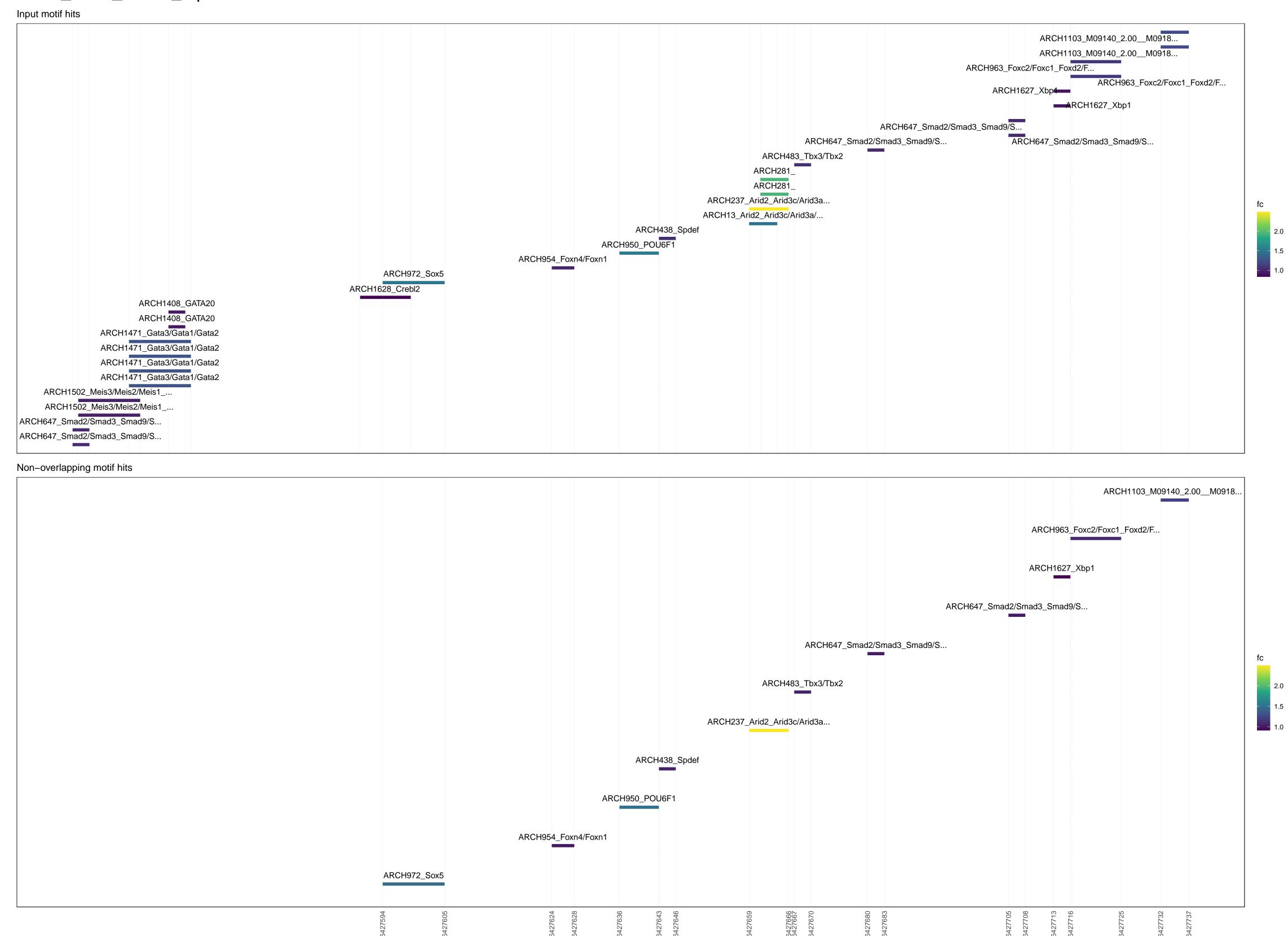


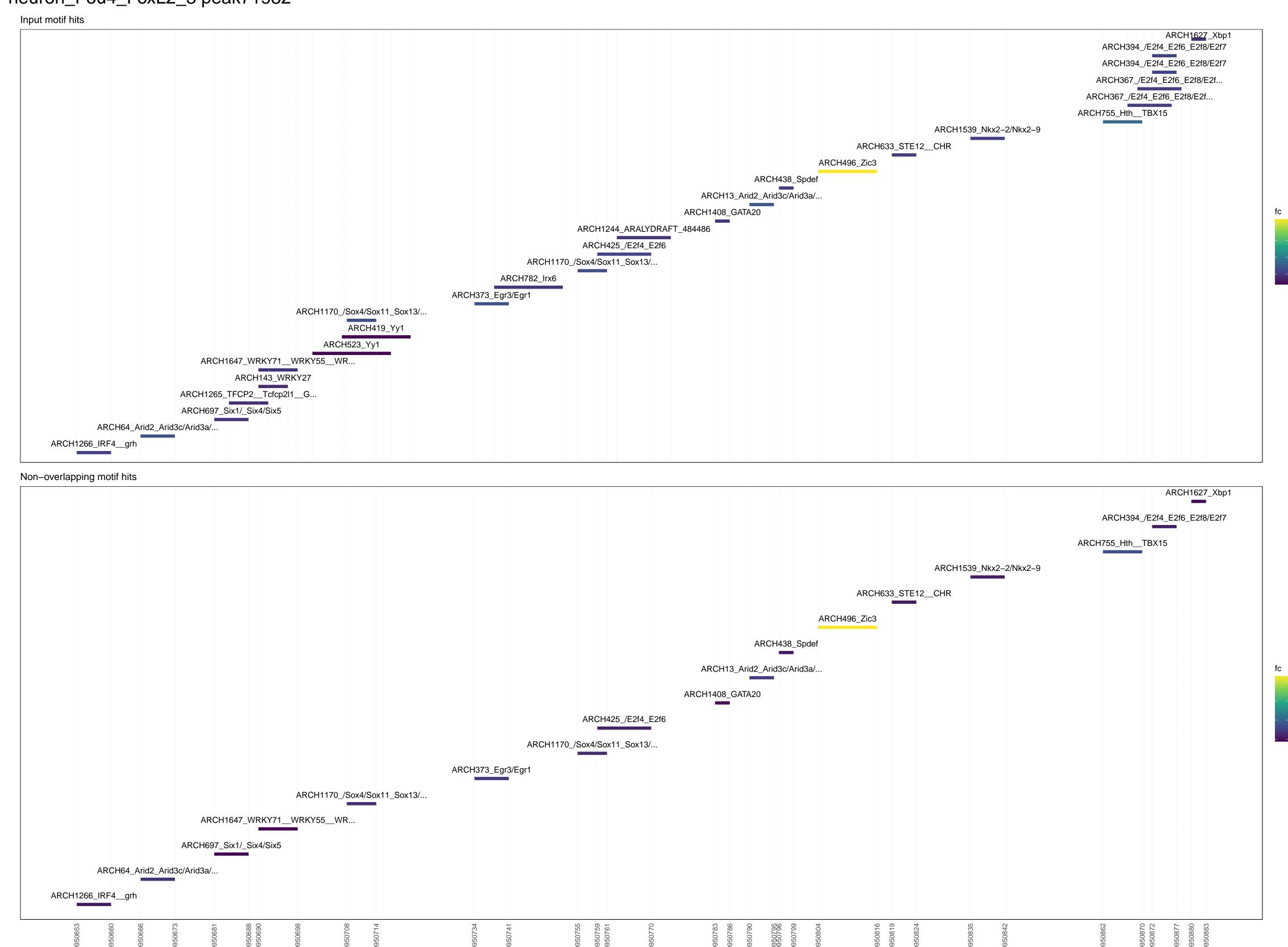
neuron_Pou4_FoxL2_2 peak103191 Input motif hits ARCH438_Spdef ARCH647_Smad2/Smad3_Smad9/S... ARCH426_Egr3/Egr1 ARCH483_Tbx3/Tbx2 ARCH172_PB0048.1_Nkx3-1_1 ARCH647_Smad2/Smad3_Smad9/S... ARCH697_Six1/_Six4/Six5 ARCH426_Egr3/Egr1 ARCH647_Smad2/Smad3_Smad9/S... ARCH523_Yy1 ARCH1488_Klf11_Mybl2/Myb/Mybl1 ARCH1313_Srf 1.2 ARCH1084_Srf 1.0 ARCH129_PB0178.1_Sox8_2 ARCH647_Smad2/Smad3_Smad9/S... ARCH395_ZNF354C ARCH438_Spdef ARCH647_Smad2/Smad3_Smad9/S... ARCH438_Spdef ARCH627_ZNF189 ARCH1391_MYB113 ARCH1103_M09140_2.00__M0918... ARCH1391_MYB113 ARCH647_Smad2/Smad3_Smad9/S... Non-overlapping motif hits ARCH438_Spdef ARCH647_Smad2/Smad3_Smad9/S... ARCH426_Egr3/Egr1 ARCH172_PB0048.1_Nkx3-1_1 ARCH697_Six1/_Six4/Six5 ARCH647_Smad2/Smad3_Smad9/S... ARCH1488_Klf11_Mybl2/Myb/Mybl1 ARCH1313_Srf 1.2 - 1.1 ARCH129_PB0178.1_Sox8_2 1.0 ARCH395_ZNF354C ARCH438_Spdef ARCH647_Smad2/Smad3_Smad9/S... ARCH627_ZNF189 ARCH1391_MYB113 ARCH1103_M09140_2.00__M0918...

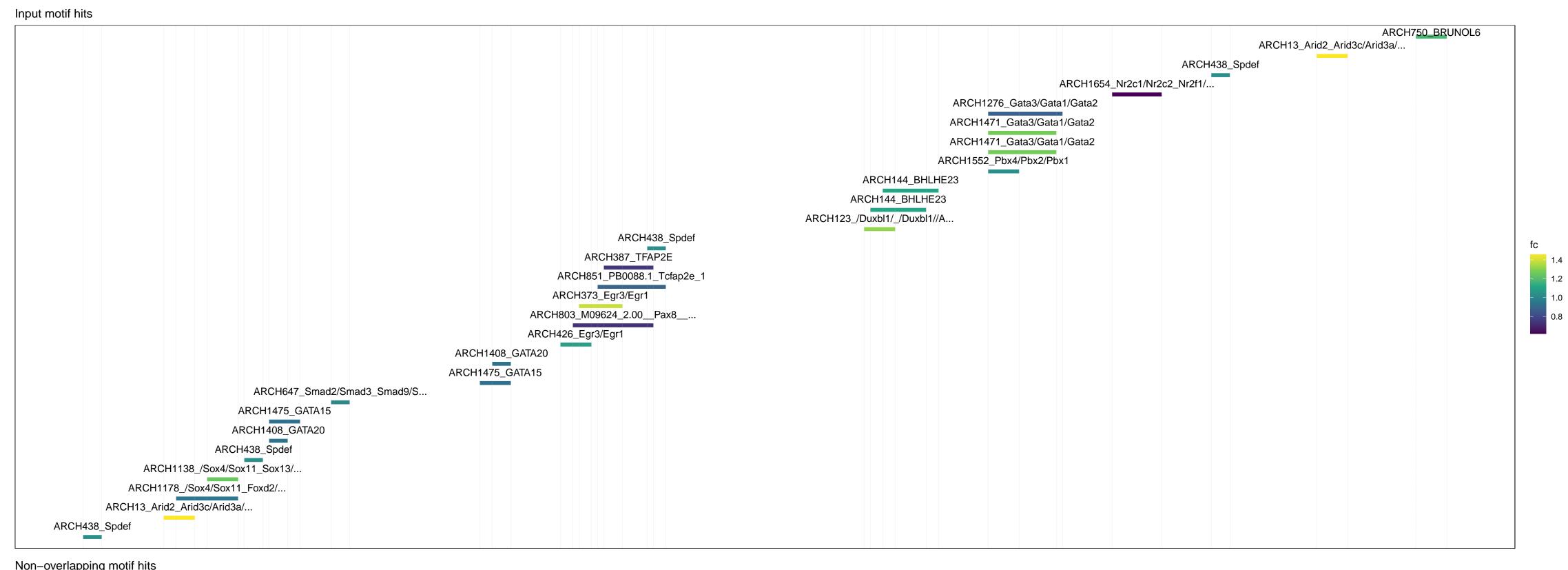
ARCH1391_MYB113



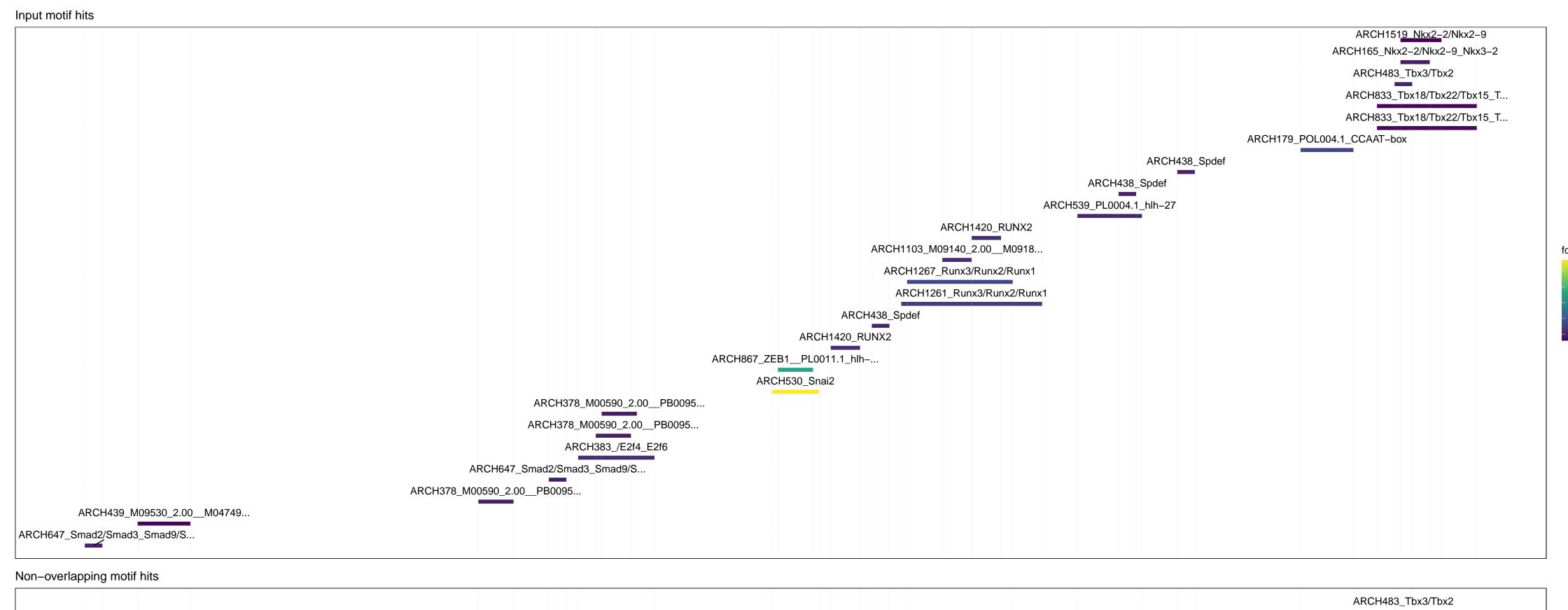


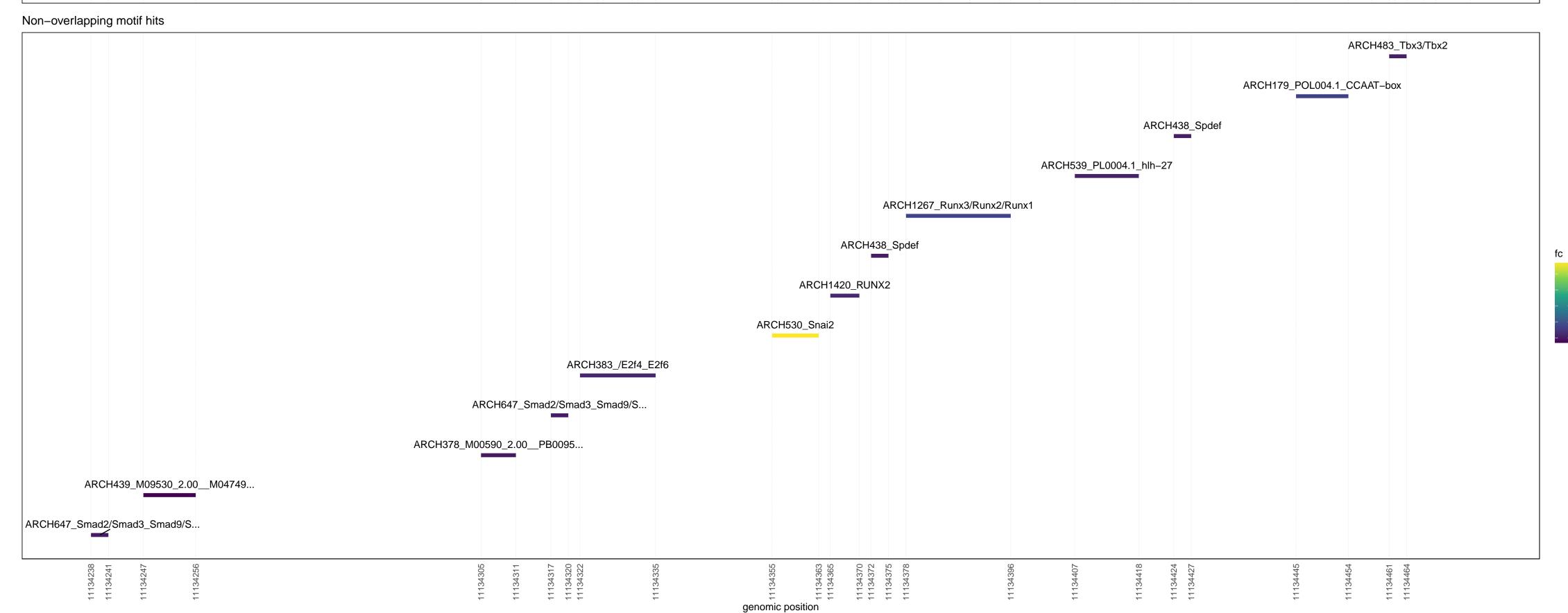


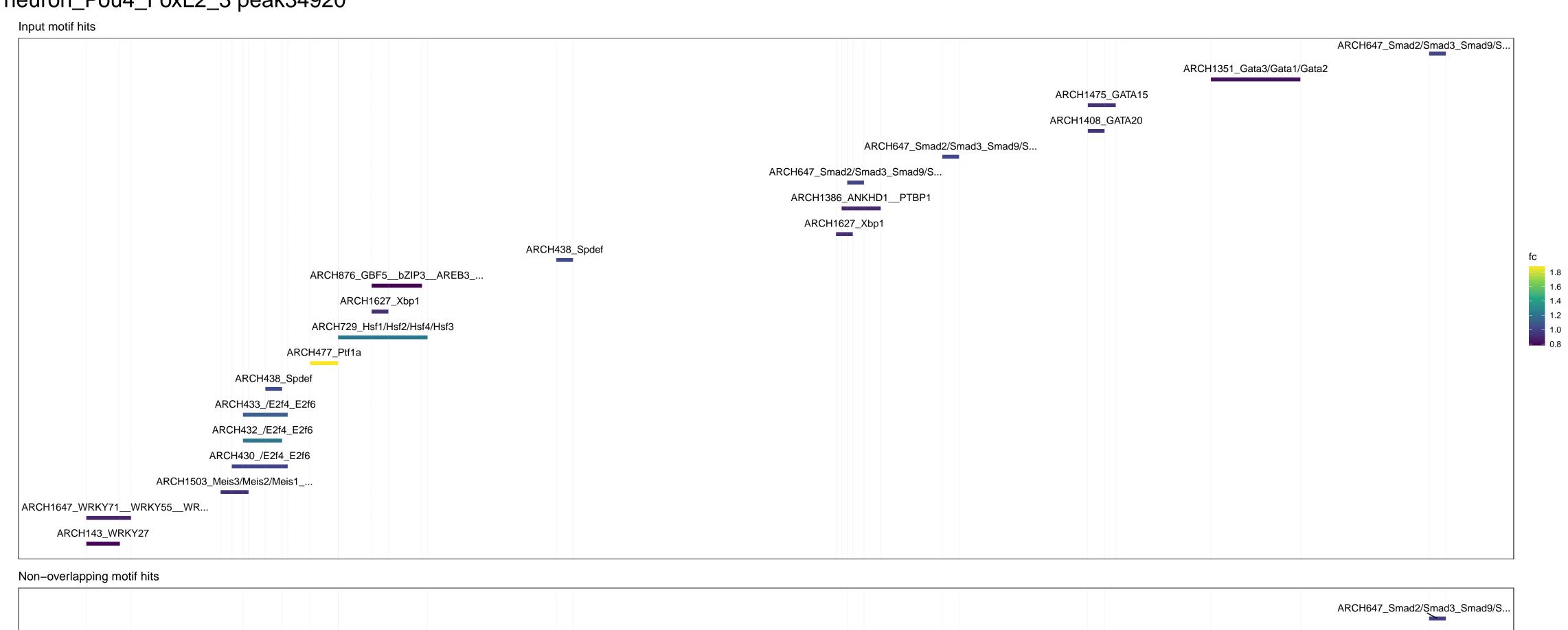


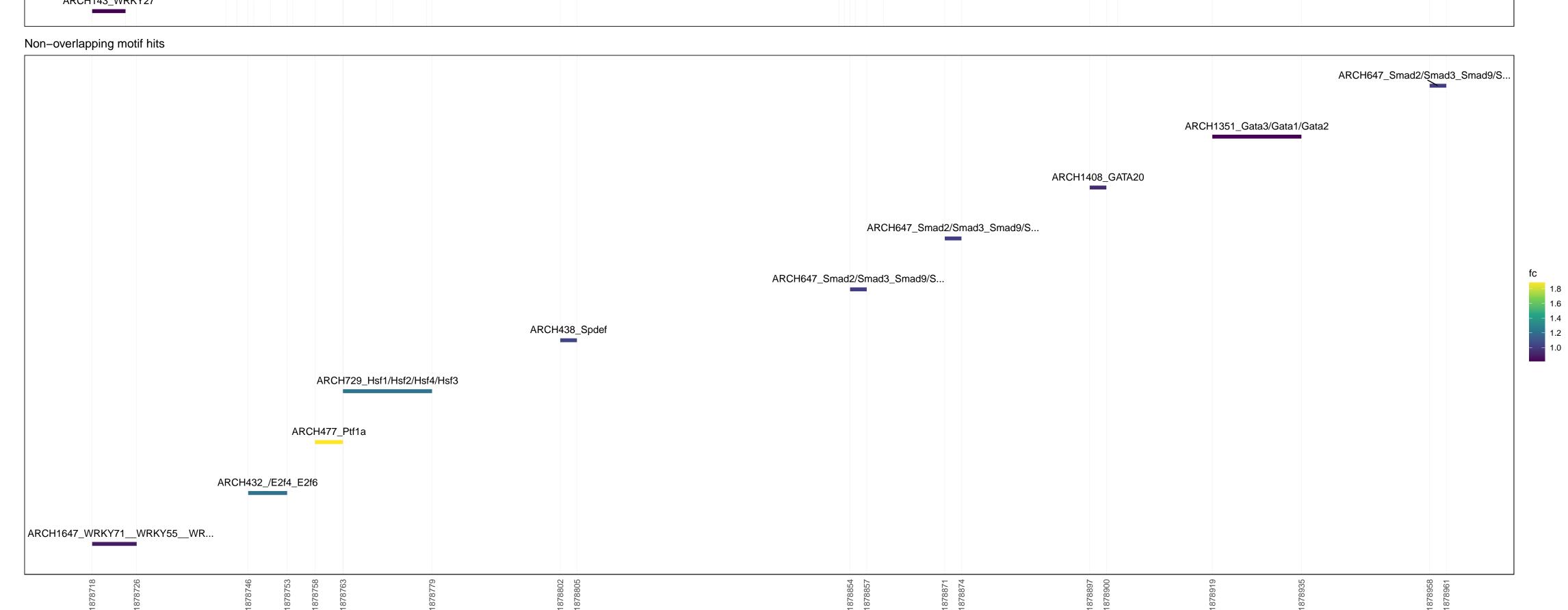






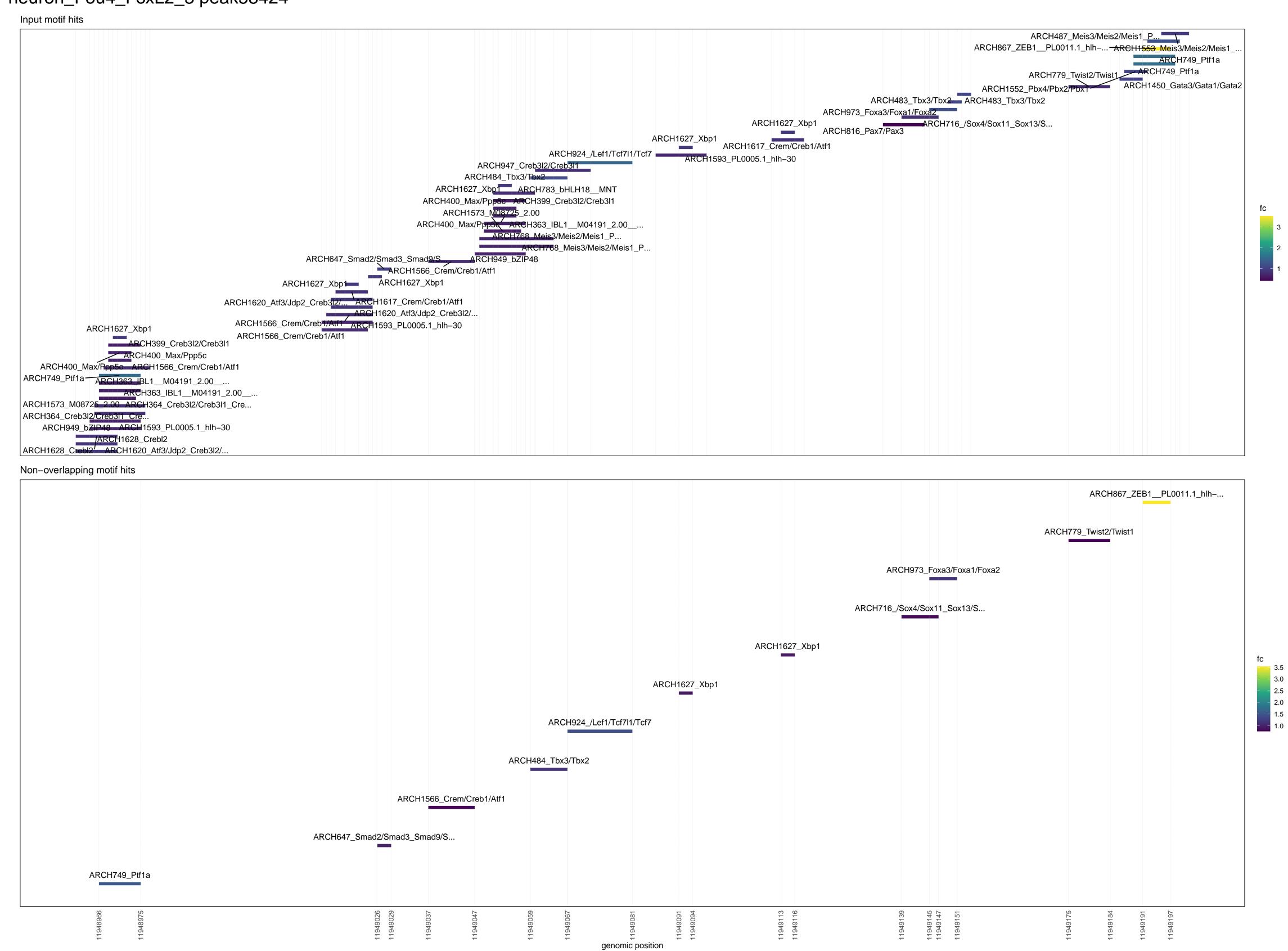


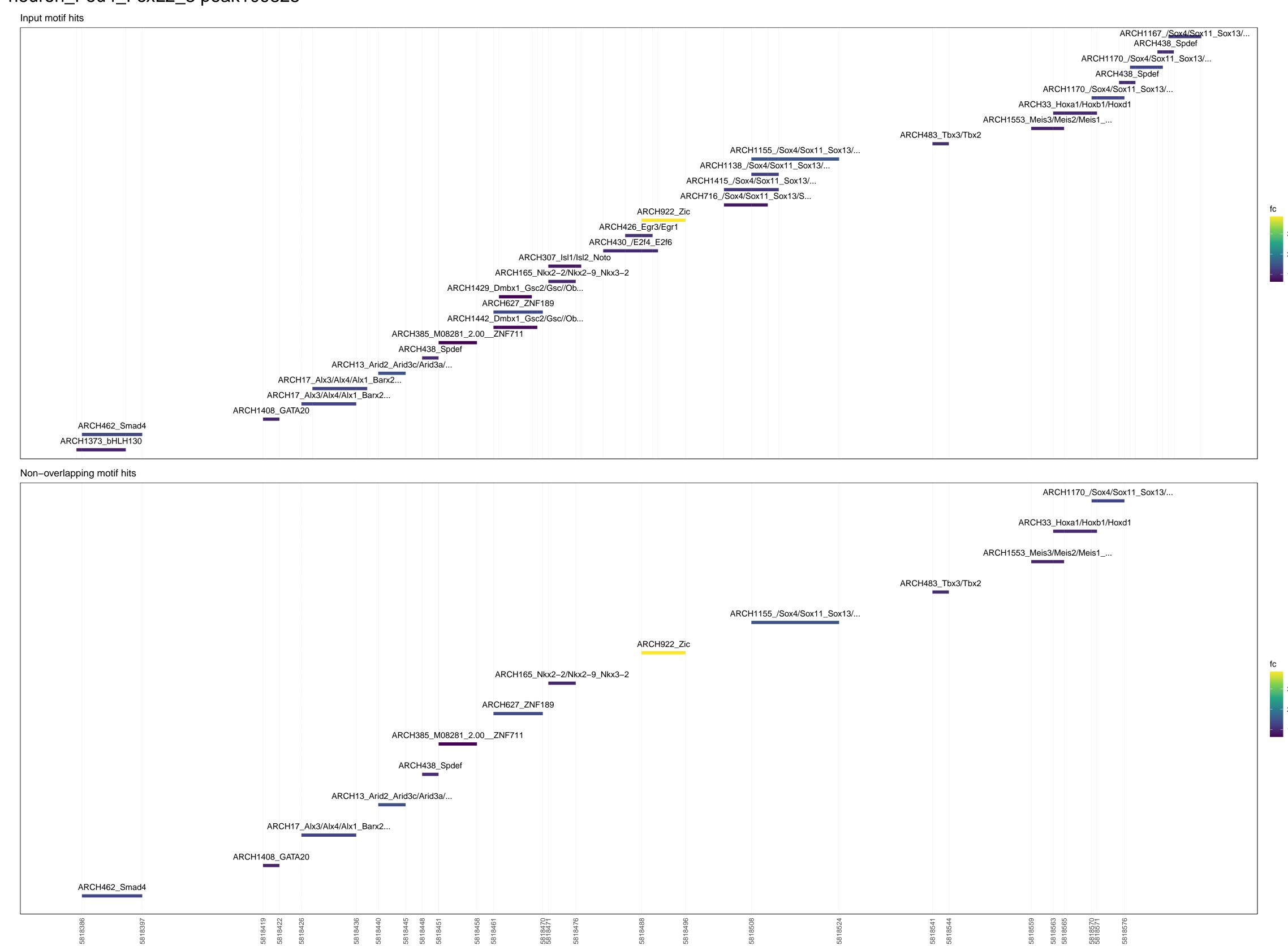


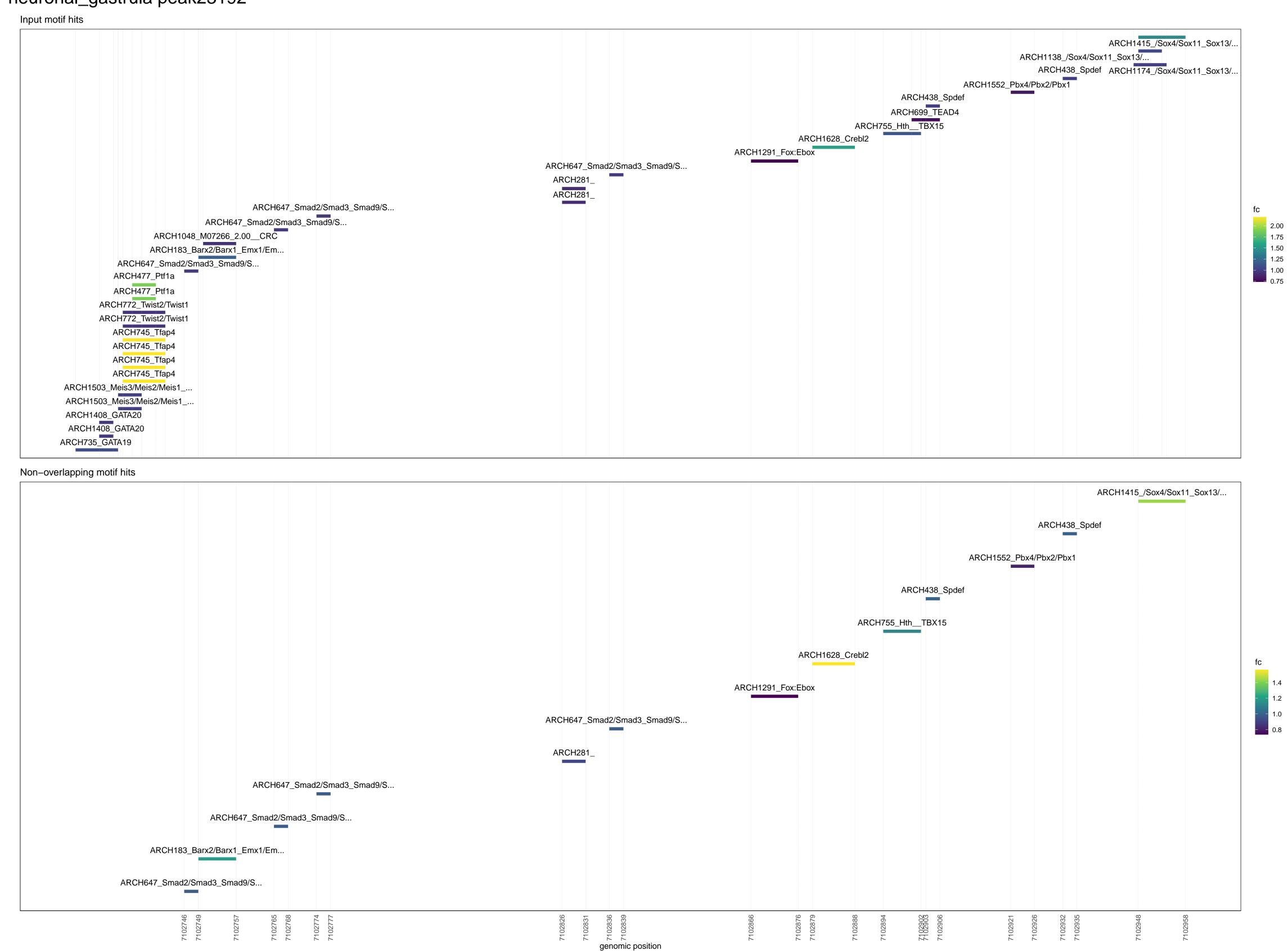


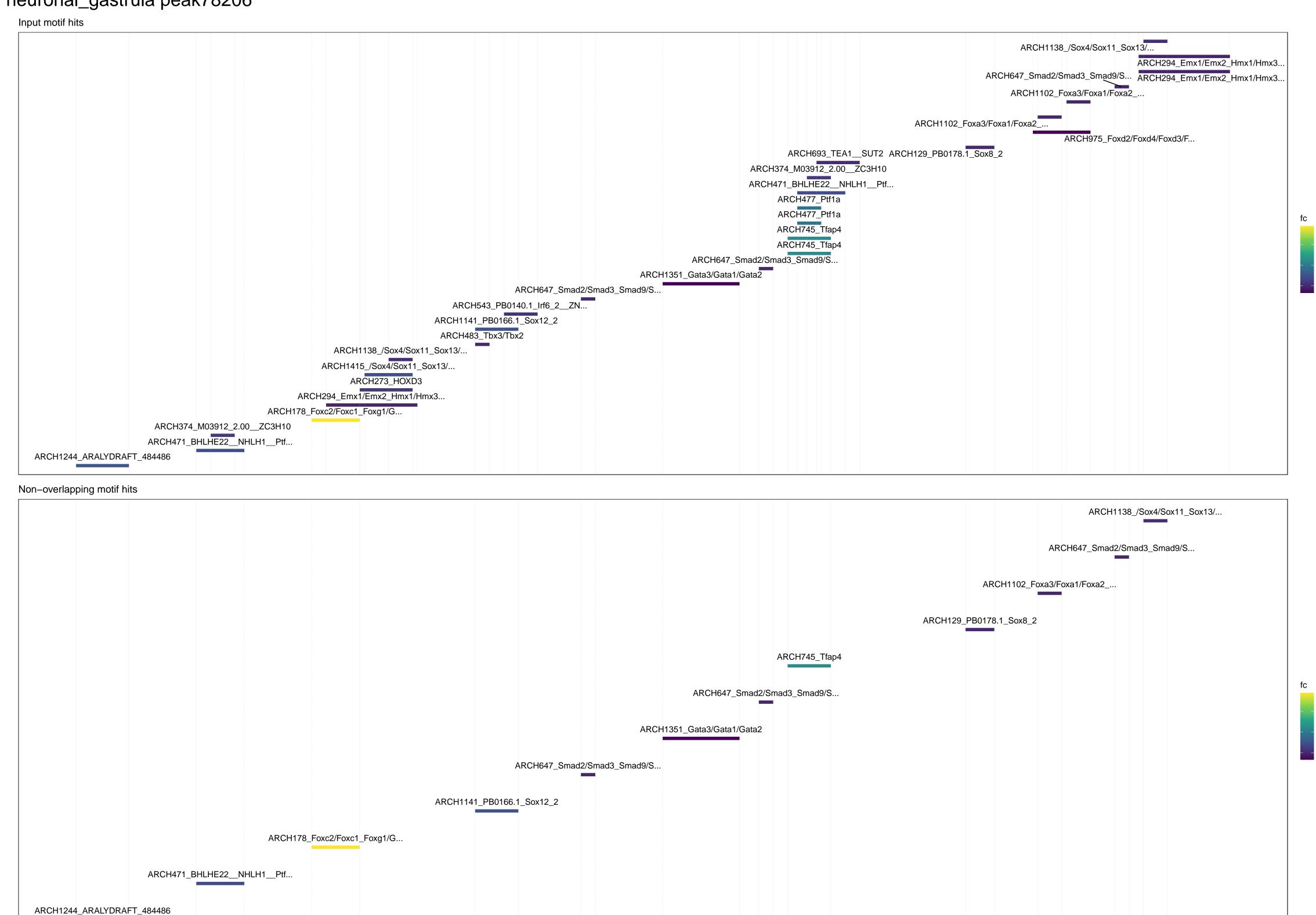
neuron_Pou4_FoxL2_3 peak30498 Input motif hits ARCH1552_Pbx4/Pbx2/Pbx1 ARCH1539_Nkx2-2/Nkx2-9 ARCH373_Egr3/Egr1 ARCH11_/E2f4_E2f6_E2f8/E2f7 ARCH909_Egr3/Egr1 ARCH432_/E2f4_E2f6 ARCH483_Tbx3/Tbx2 ARCH394_/E2f4_E2f6_E2f8/E2f7 ARCH394_/E2f4_E2f6_E2f8/E2f7 ARCH1248_/E2f4_E2f6 ARCH11_/E2f4_E2f6_E2f8/E2f7 ARCH383_/E2f4_E2f6 ARCH11_/E2f4_E2f6_E2f8/E2f7 ARCH803_M09624_2.00__Pax8__... ARCH1259_RRTF1__ERF4__RAP26... ARCH1048_M07266_2.00__CRC ARCH1103_M09140_2.00__M0918... ARCH973_Foxa3/Foxa1/Foxa2 ARCH1547_FOXB1 ARCH647_Smad2/Smad3_Smad9/S.. ARCH1552_Pbx4/Pbx2/Pbx1 ARCH452_Rfx1/Rfx3/Rfx2_Rfx6 ARCH647_Smad2/Smad3_Smad9/S... ARCH374_M03912_2.00__ZC3H10 ARCH112_Hoxa10 ARCH779_Twist2/Twist1 ARCH1627_Xbp1 ARCH483_Tbx3/Tbx2 ARCH876_GBF5_bZIP3_AREB3_... Non-overlapping motif hits ARCH1552_Pbx4/Pbx2/Pbx1 ARCH1539_Nkx2-2/Nkx2-9 ARCH909_Egr3/Egr1 ARCH483_Tbx3/Tbx2 ARCH432_/E2f4_E2f6 ARCH1048_M07266_2.00__CRC ARCH1103_M09140_2.00__M0918.. ARCH973_Foxa3/Foxa1/Foxa2 1.3 1.2 ARCH1547_FOXB1 ARCH647_Smad2/Smad3_Smad9/S... ARCH452_Rfx1/Rfx3/Rfx2_Rfx6 ARCH647_Smad2/Smad3_Smad9/S... ARCH374_M03912_2.00__ZC3H10 ARCH112_Hoxa10 ARCH483_Tbx3/Tbx2 2669170 2669173 2669175

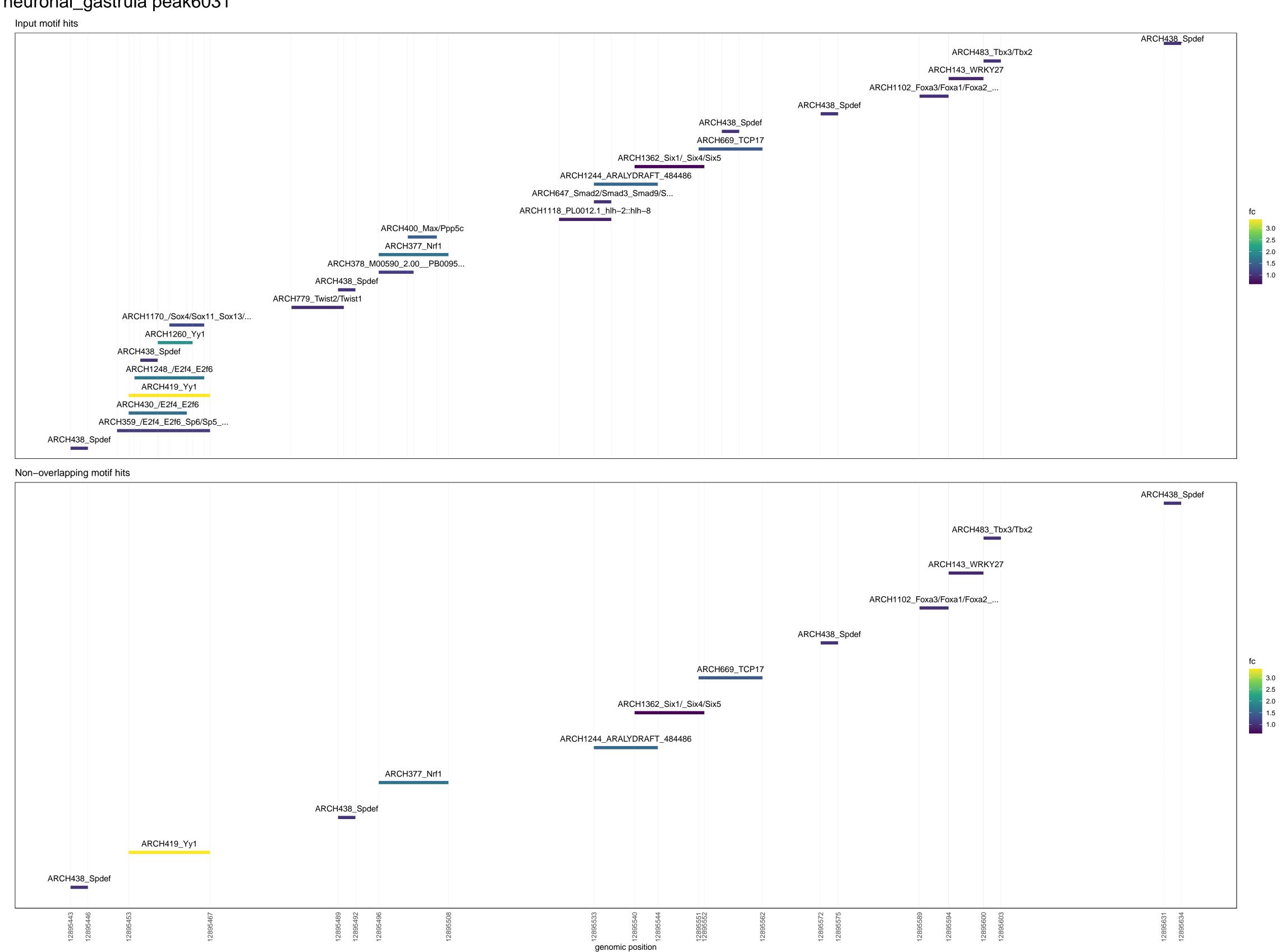
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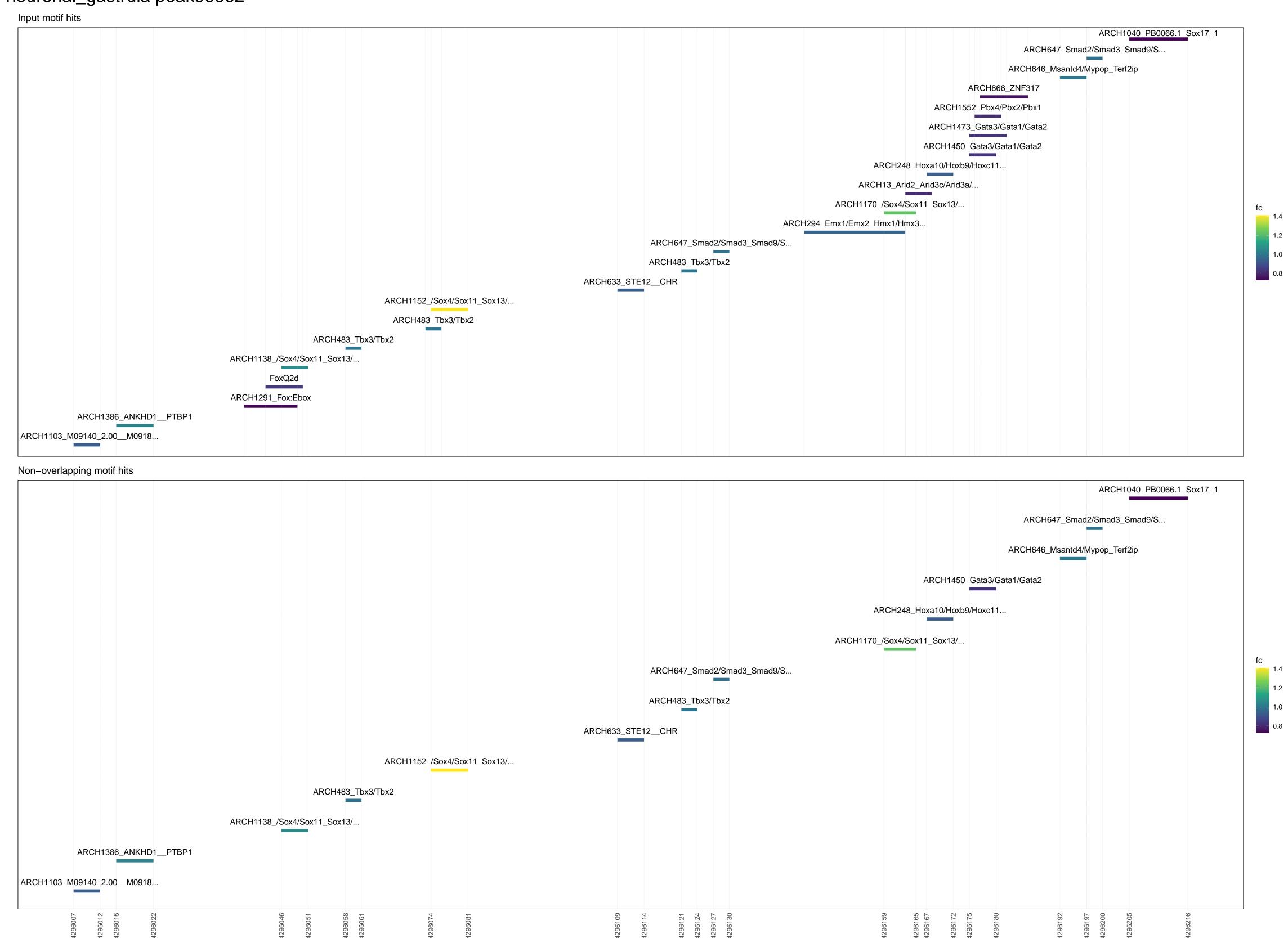


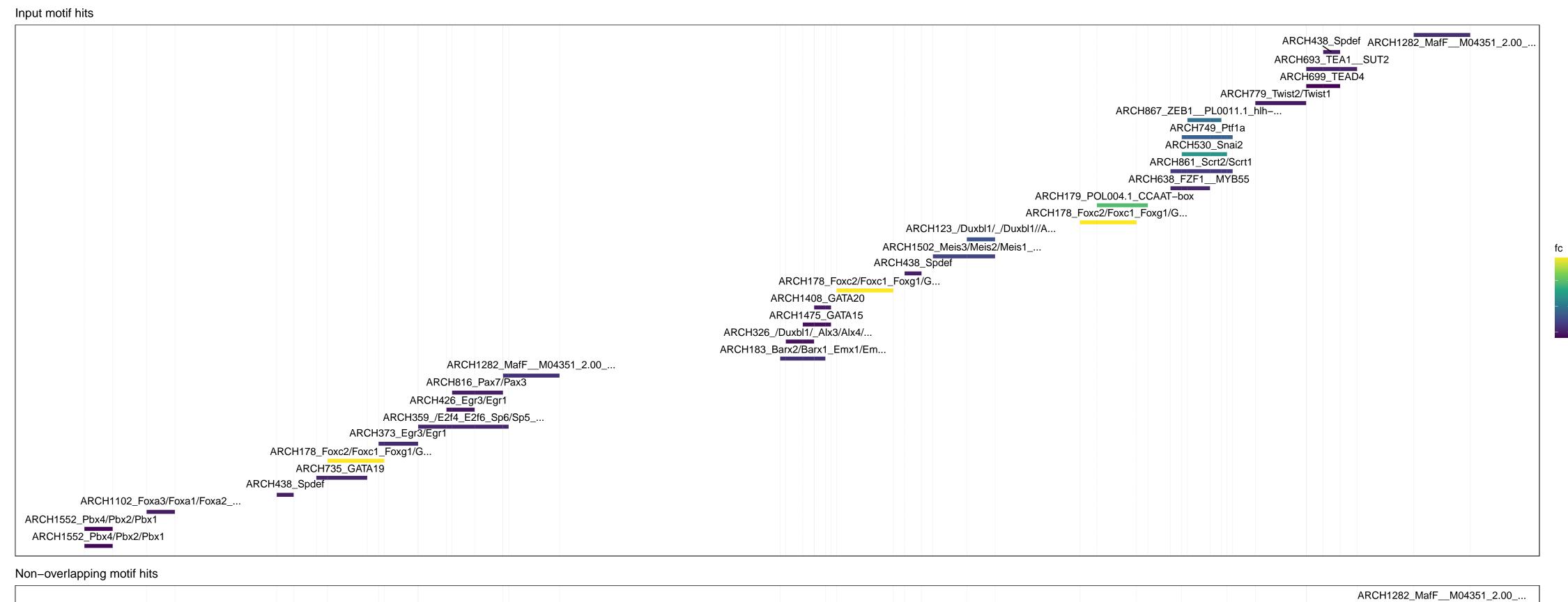


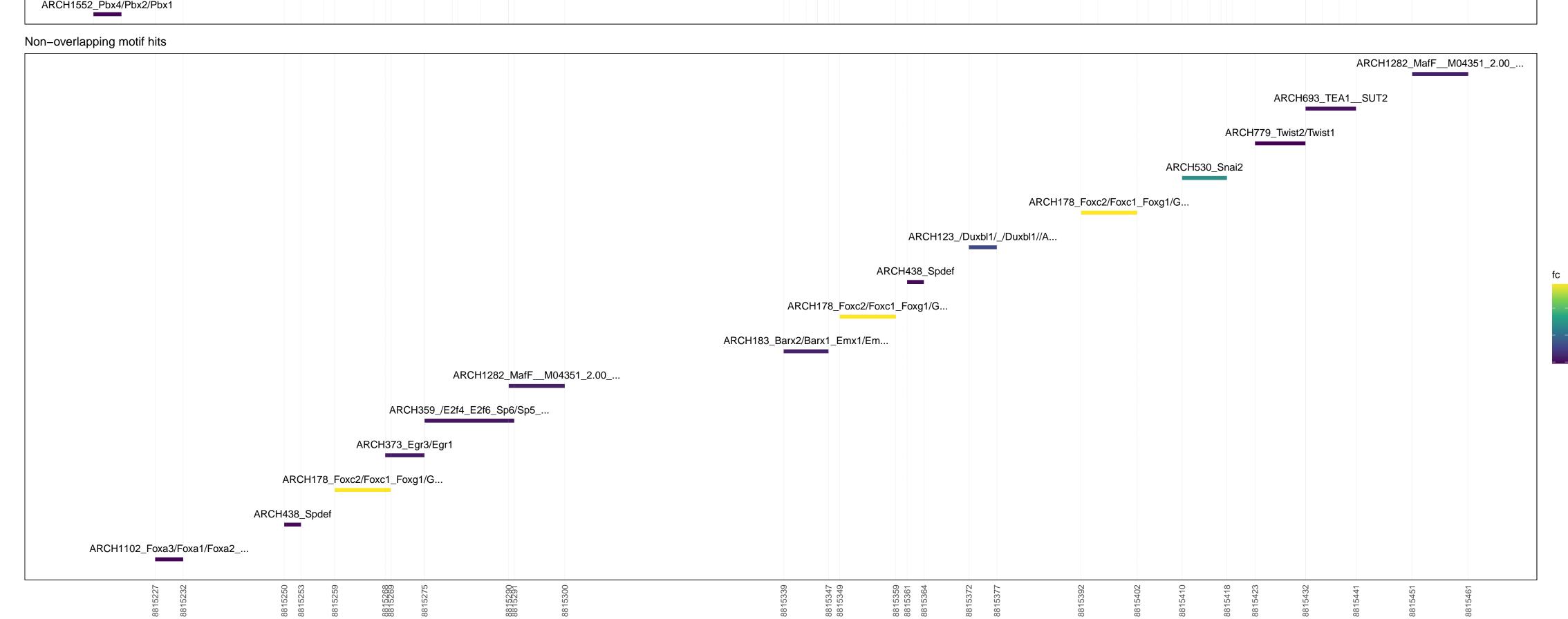


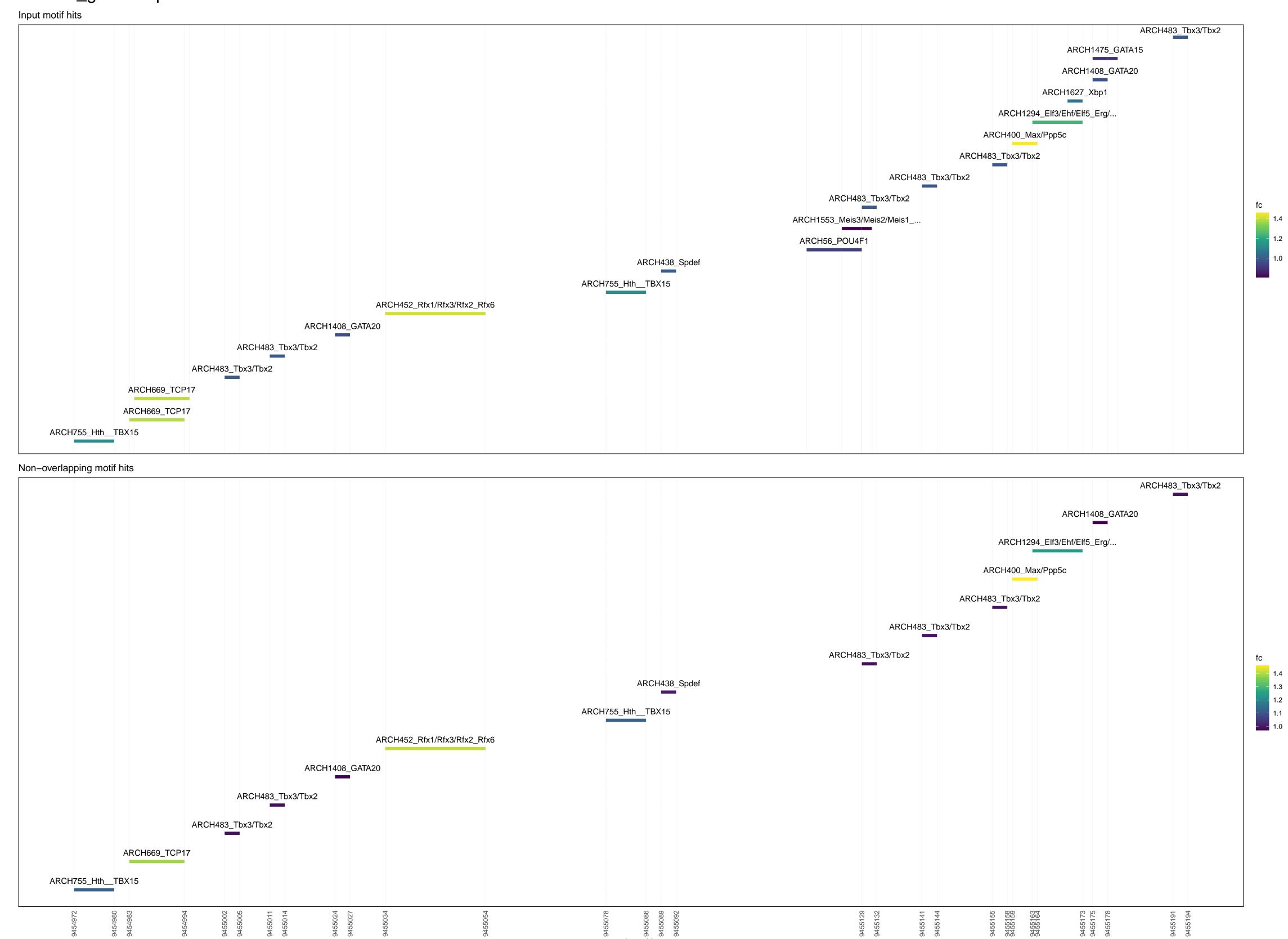


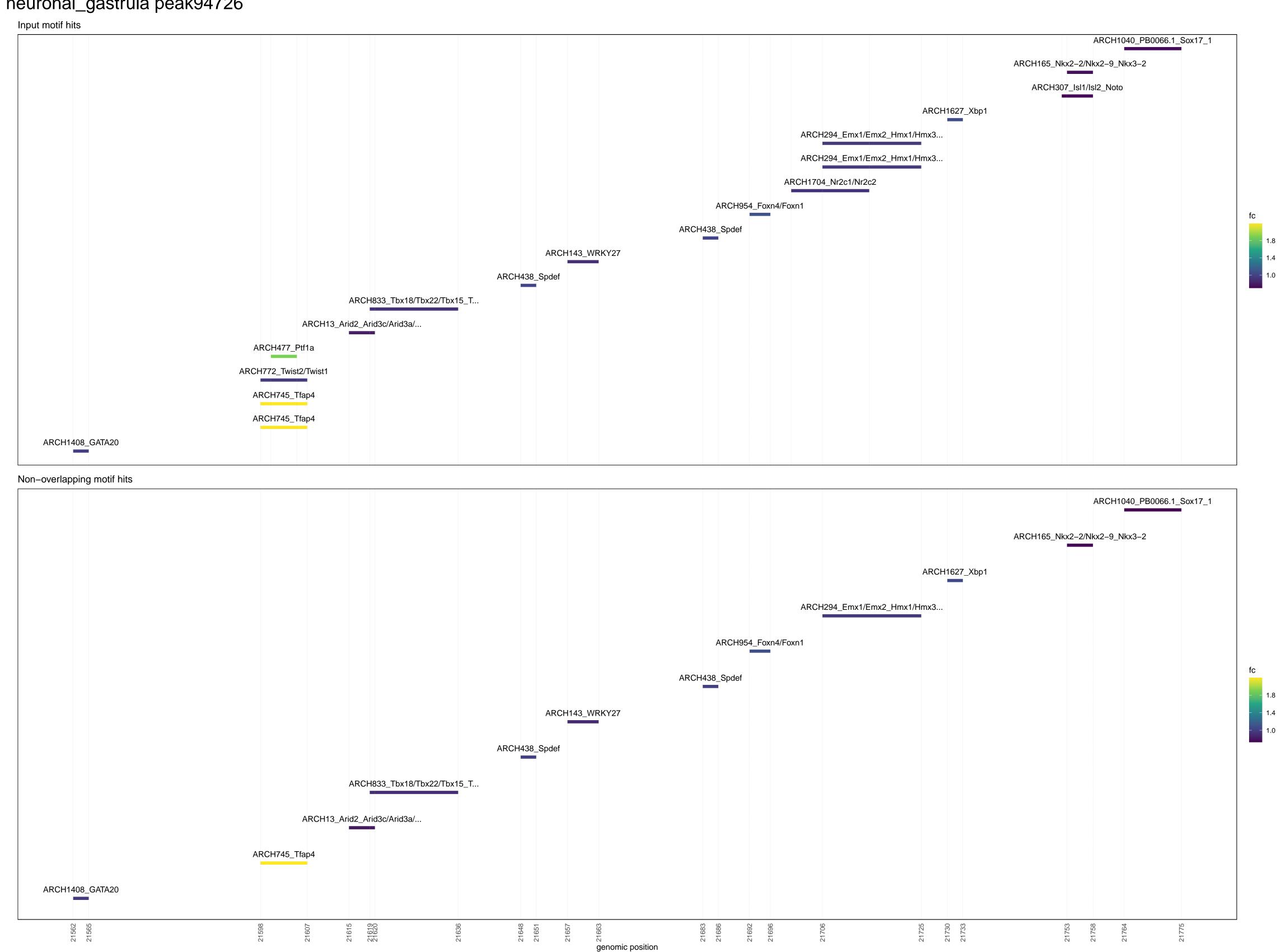


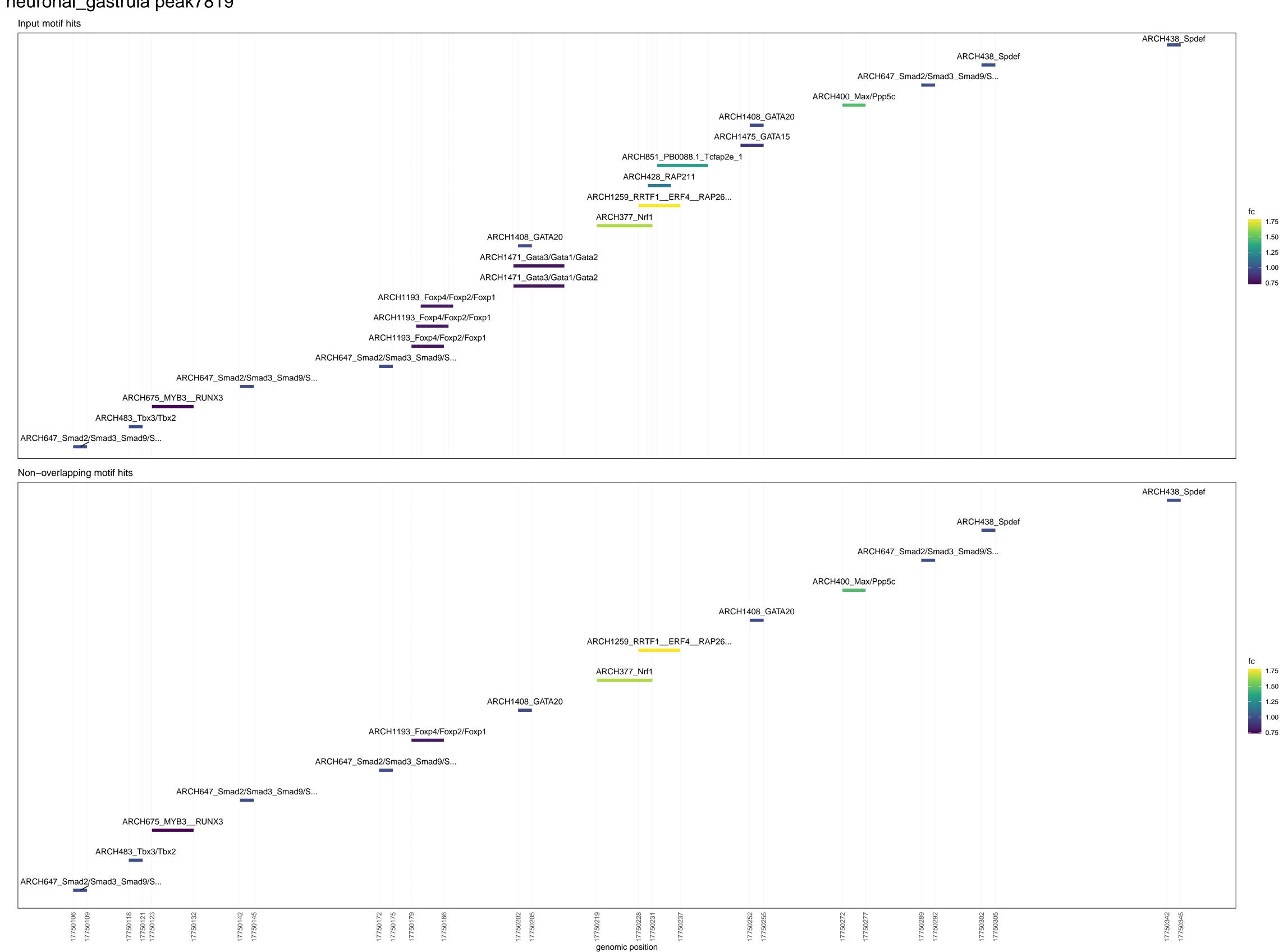


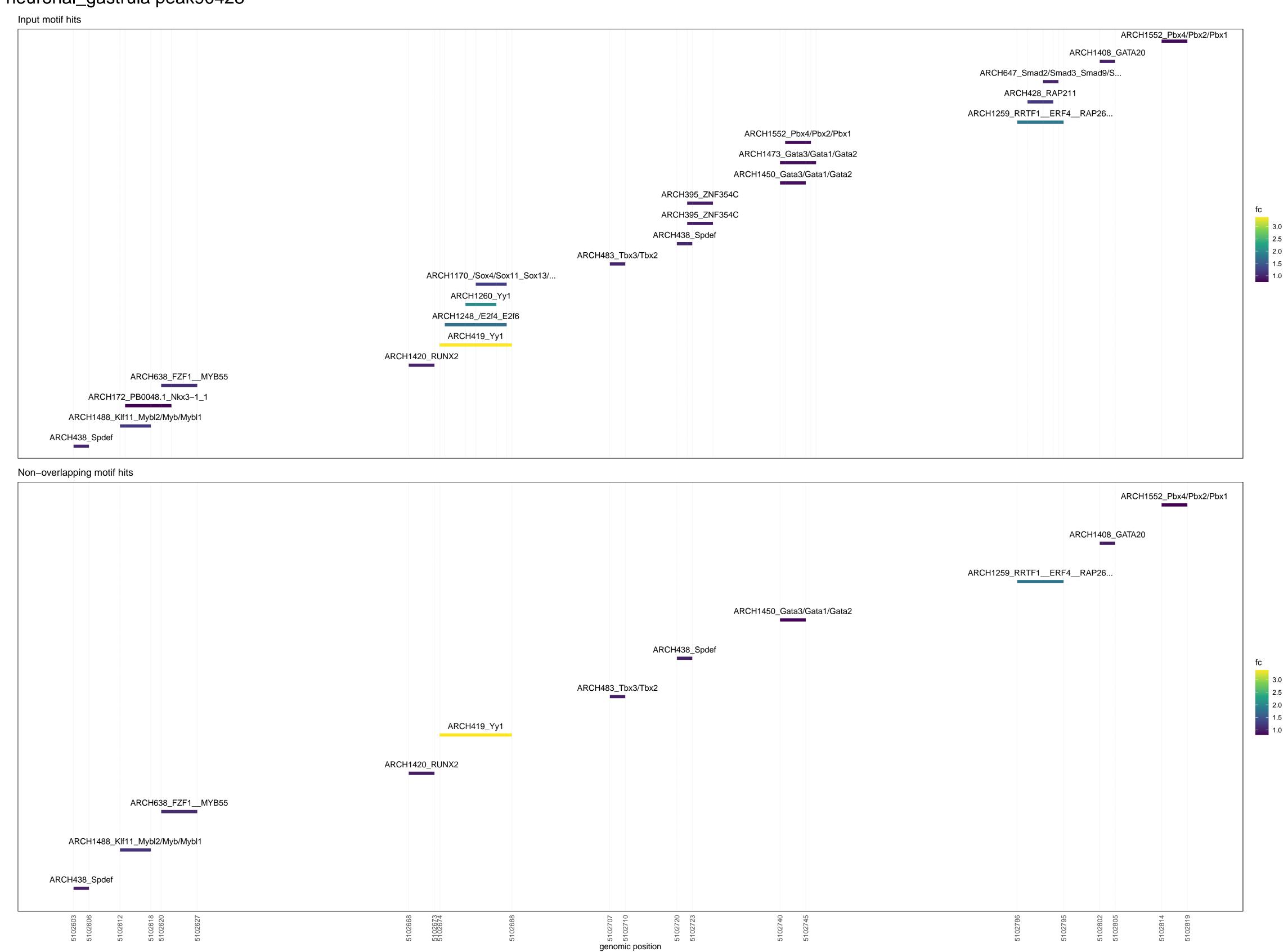


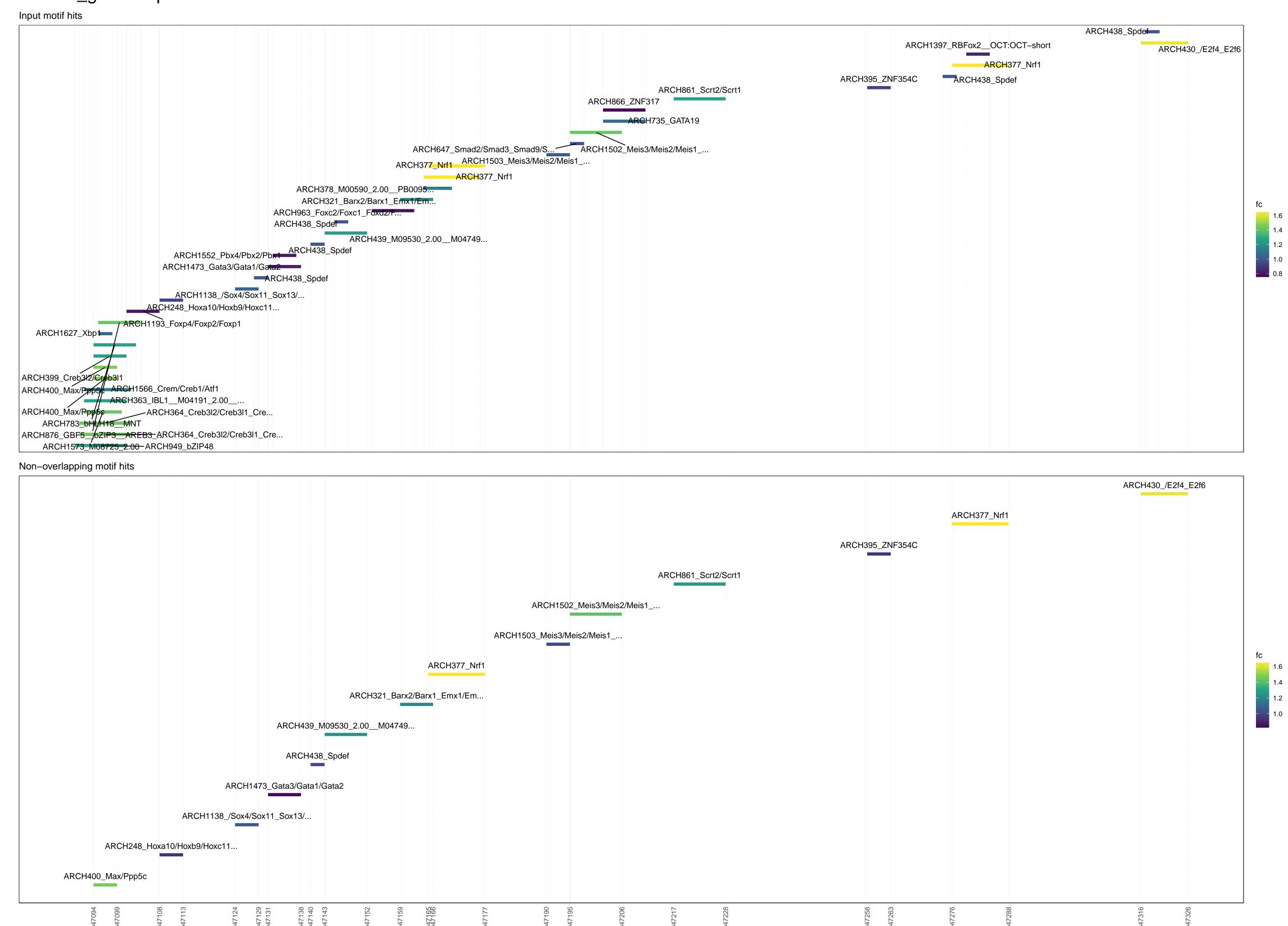




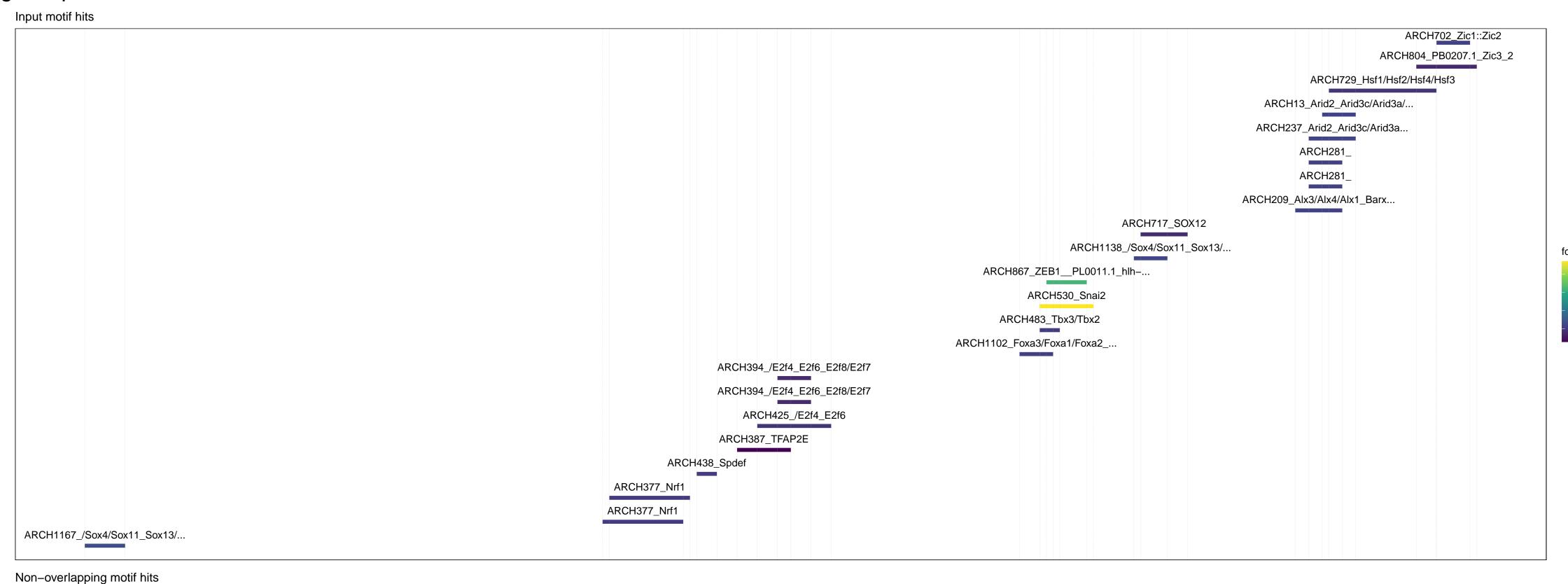


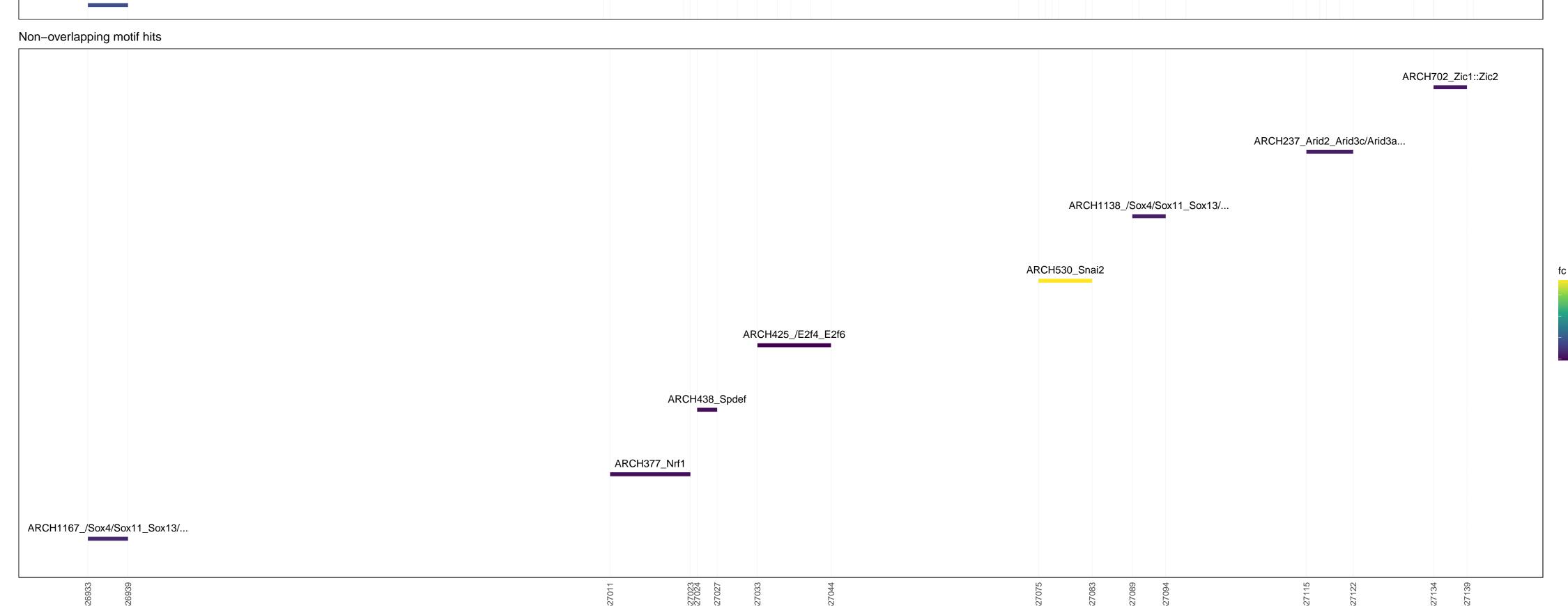


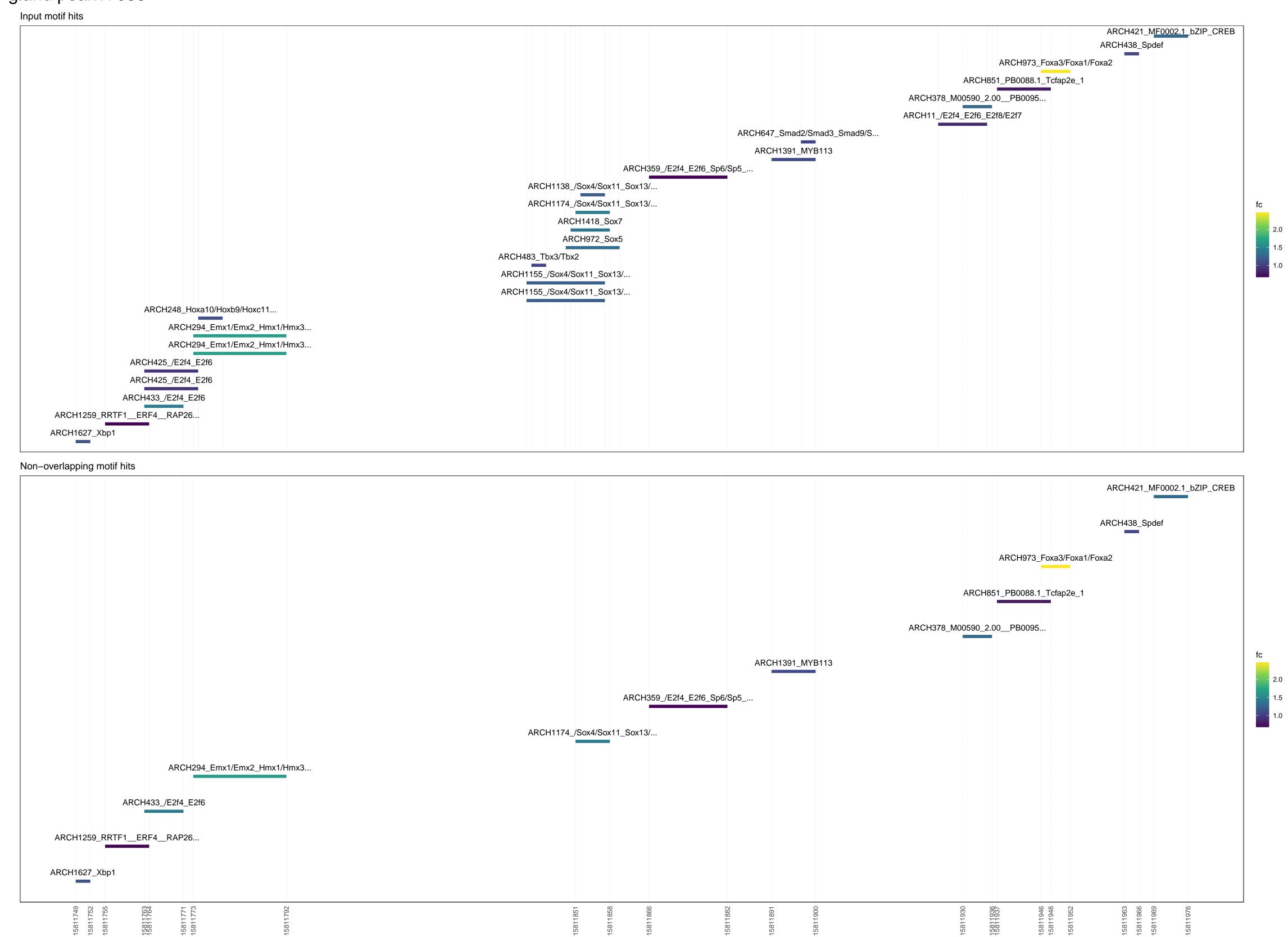


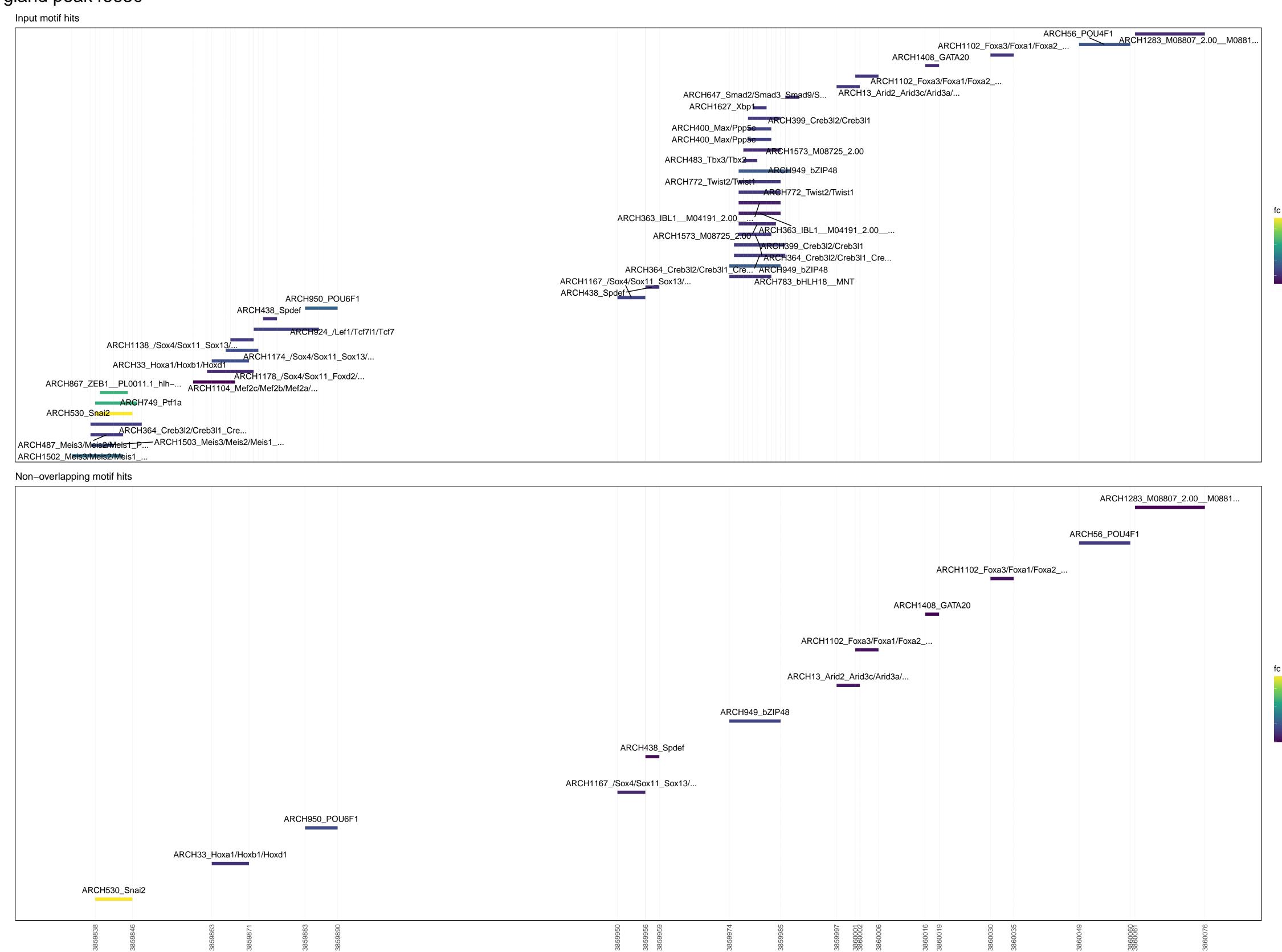


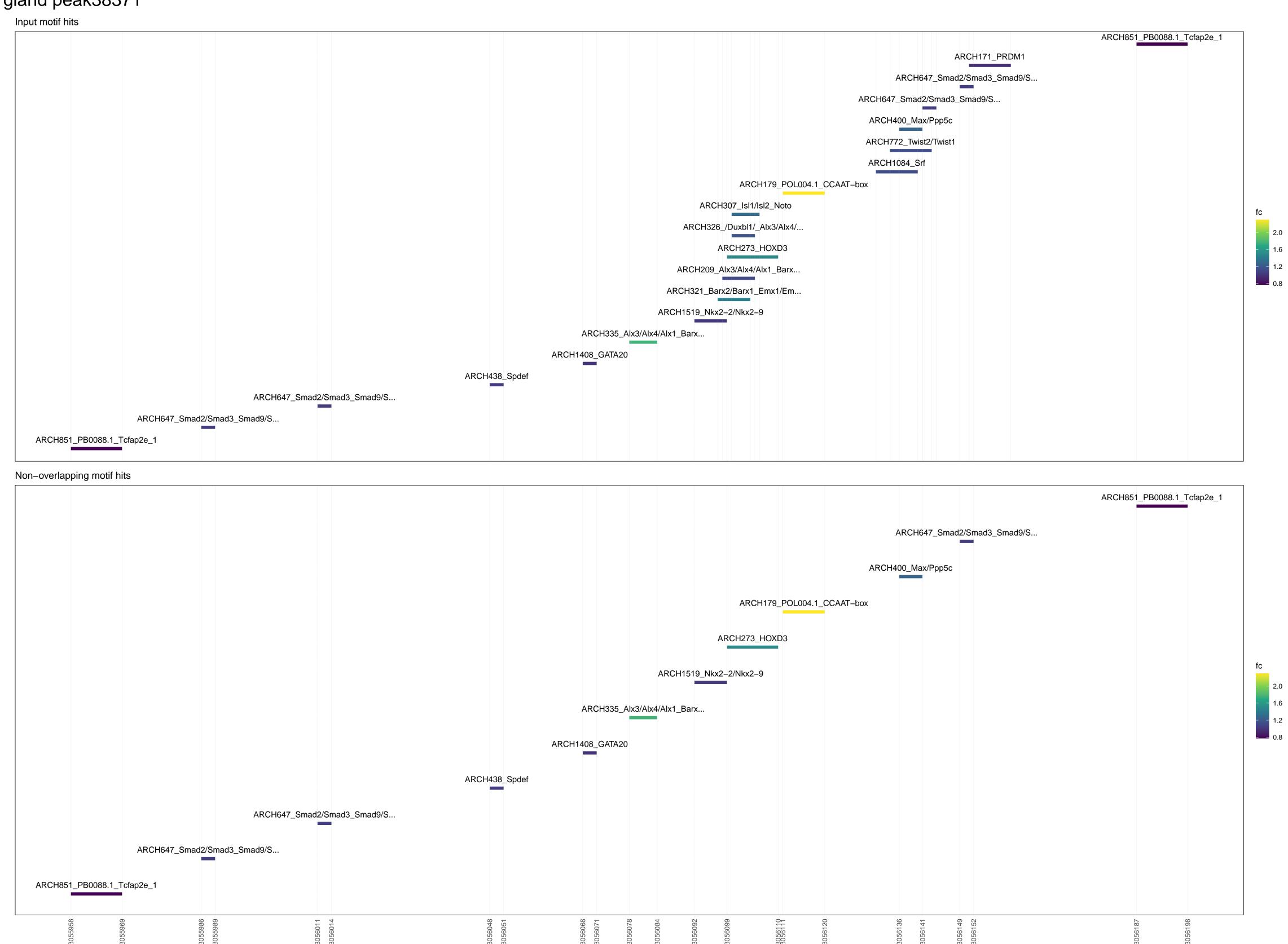










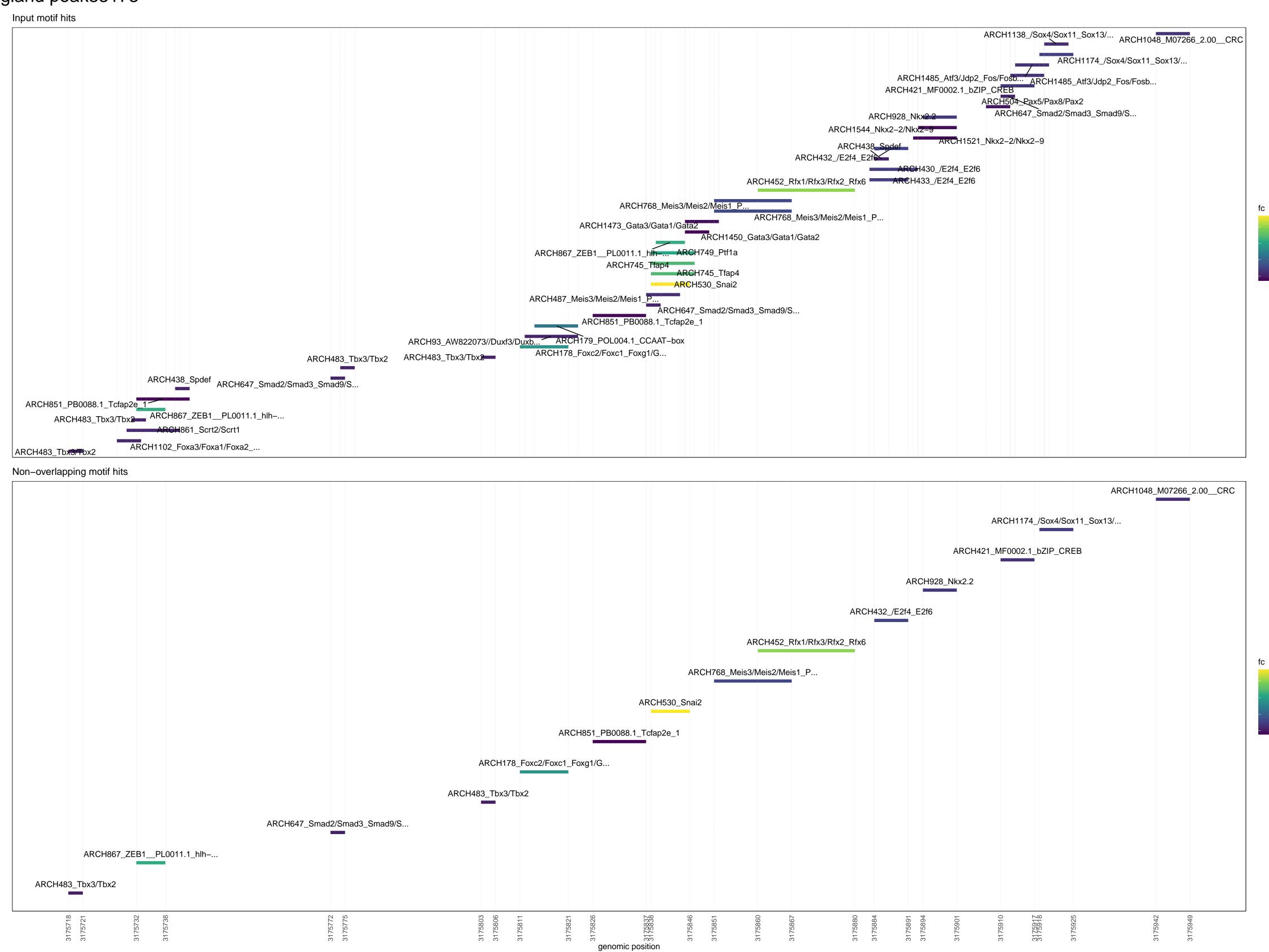


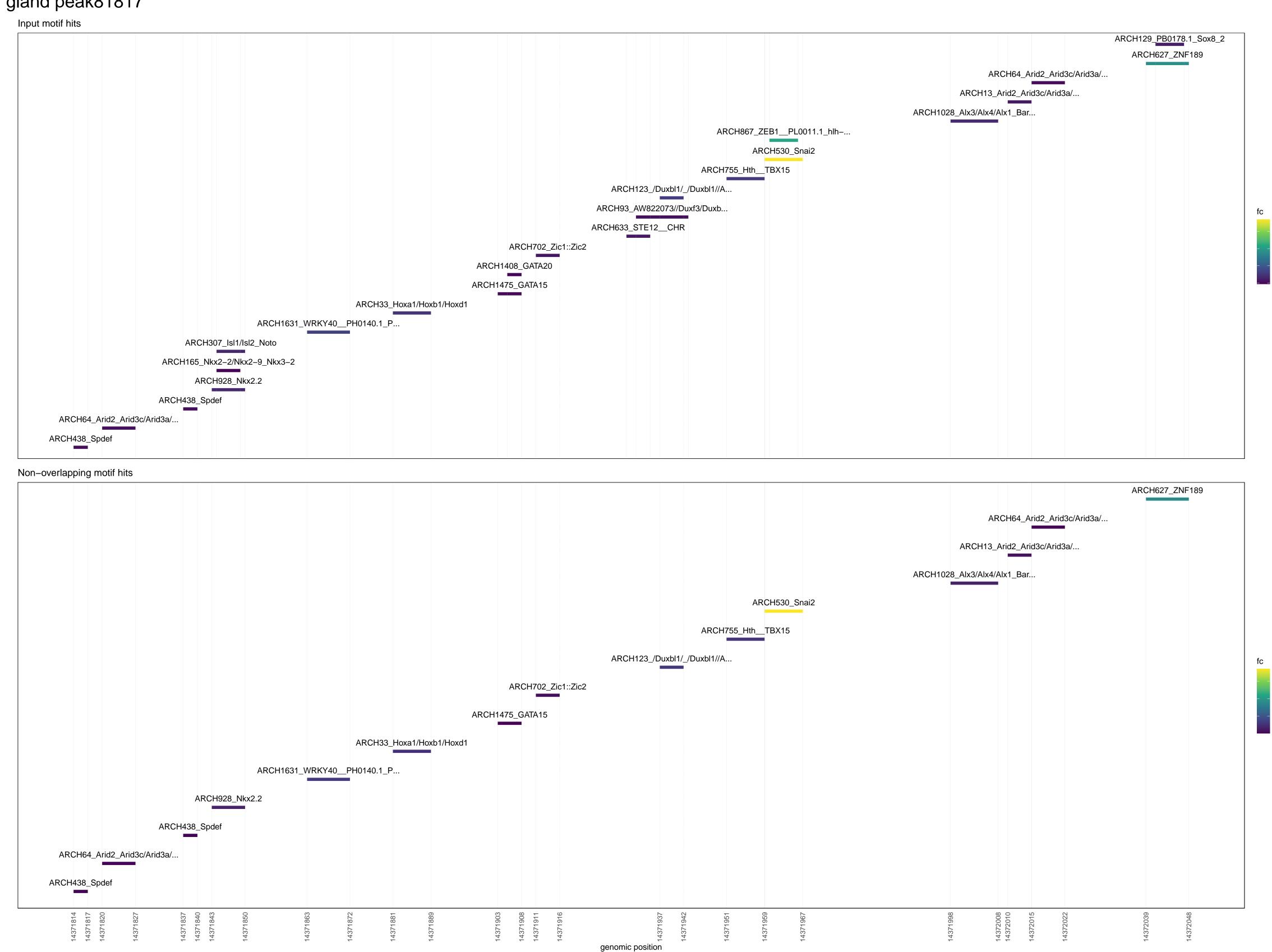
gland peak33462 Input motif hits ARCH973_Foxa3/Foxa1/Foxa2 ARCH647_Smad2/Smad3_Smad9/S... ARCH1282_MafF__M04351_2.00_... ARCH1429_Dmbx1_Gsc2/Gsc//Ob.. ARCH647_Smad2/Smad3_Smad9/S... ARCH647_Smad2/Smad3_Smad9/S... ARCH483_Tbx3/Tbx2 ARCH483_Tbx3/Tbx2 ARCH438_Spdef ARCH1408_GATA20 ARCH483_Tbx3/Tbx2 ARCH1291_Fox:Ebox ARCH963_Foxc2/Foxc1_Foxd2/F... ARCH1141_PB0166.1_Sox12_2 ARCH647_Smad2/Smad3_Smad9/S... ARCH438_Spdef ARCH1533_BHLH112 ARCH647_Smad2/Smad3_Smad9/S... ARCH1439_Dmbx1_Gsc2/Gsc//Ob... ARCH647_Smad2/Smad3_Smad9/S... ARCH750_BRUNOL6 ARCH1647_WRKY71__WRKY55__WR... ARCH143_WRKY27 ARCH483_Tbx3/Tbx2 ARCH779_Twist2/Twist1 ARCH483_Tbx3/Tbx2 ARCH1170_/Sox4/Sox11_Sox13/... Non-overlapping motif hits ARCH973_Foxa3/Foxa1/Foxa2 ARCH647_Smad2/Smad3_Smad9/S... ARCH1429_Dmbx1_Gsc2/Gsc//Ob... ARCH647_Smad2/Smad3_Smad9/S... ARCH647_Smad2/Smad3_Smad9/S... ARCH483_Tbx3/Tbx2 ARCH438_Spdef ARCH1408_GATA20 ARCH1291_Fox:Ebox 3.0 ARCH647_Smad2/Smad3_Smad9/S... 2.5 2.0 ARCH438_Spdef 1.5 ARCH647_Smad2/Smad3_Smad9/S... ARCH1439_Dmbx1_Gsc2/Gsc//Ob... ARCH647_Smad2/Smad3_Smad9/S... ARCH750_BRUNOL6 ARCH143_WRKY27 ARCH483_Tbx3/Tbx2

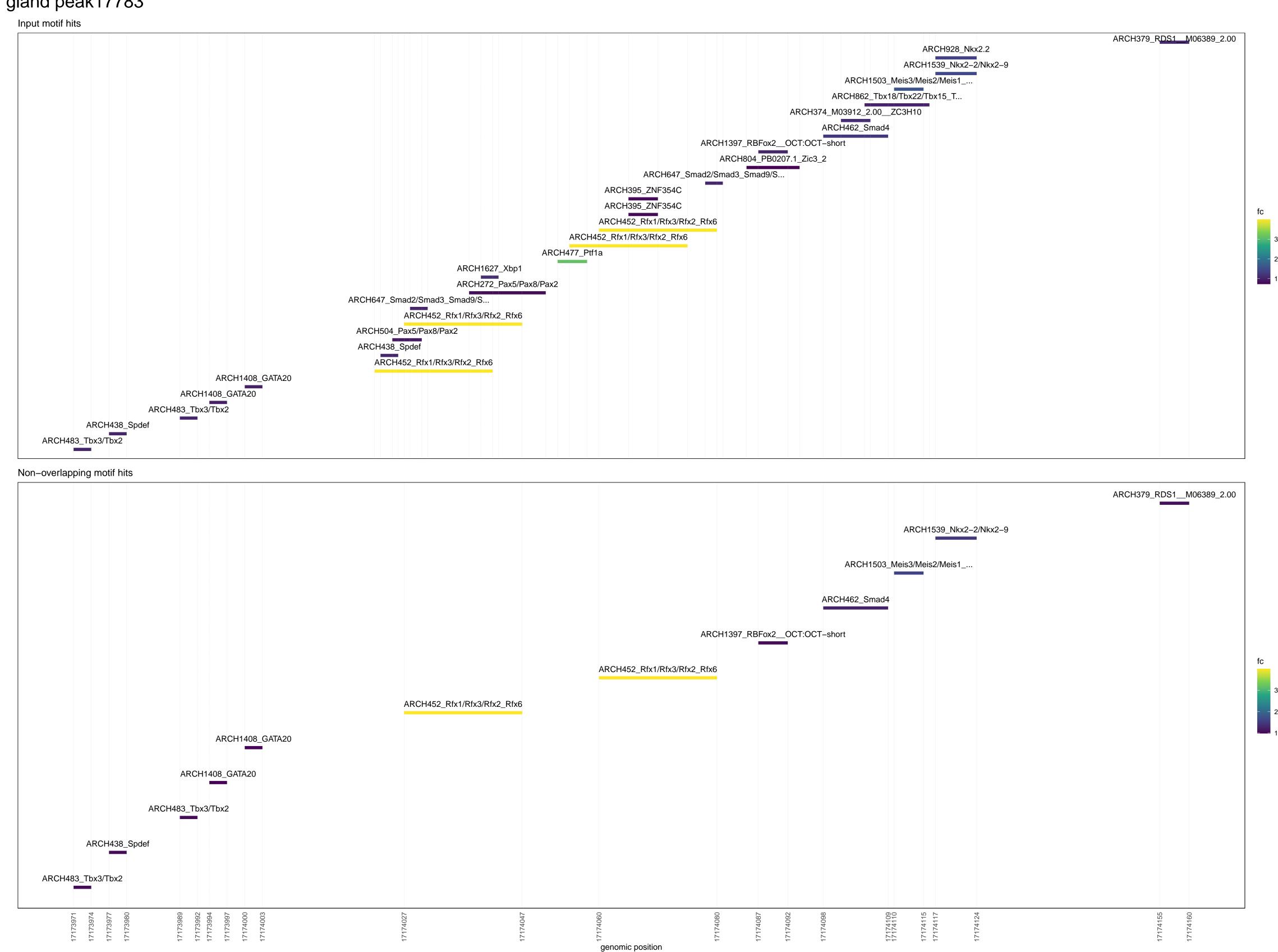
ARCH483_Tbx3/Tbx2

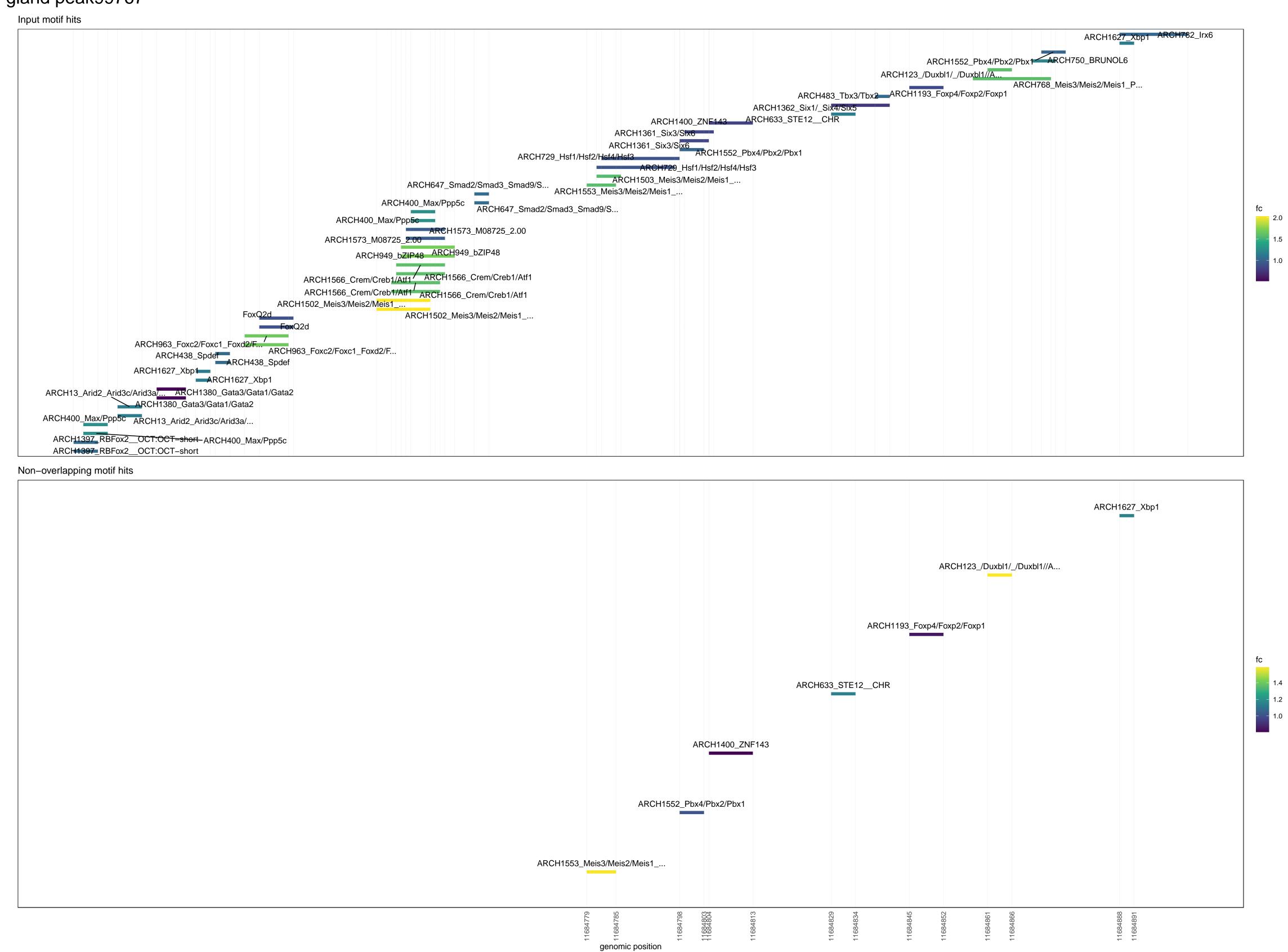
ARCH1170_/Sox4/Sox11_Sox13/...

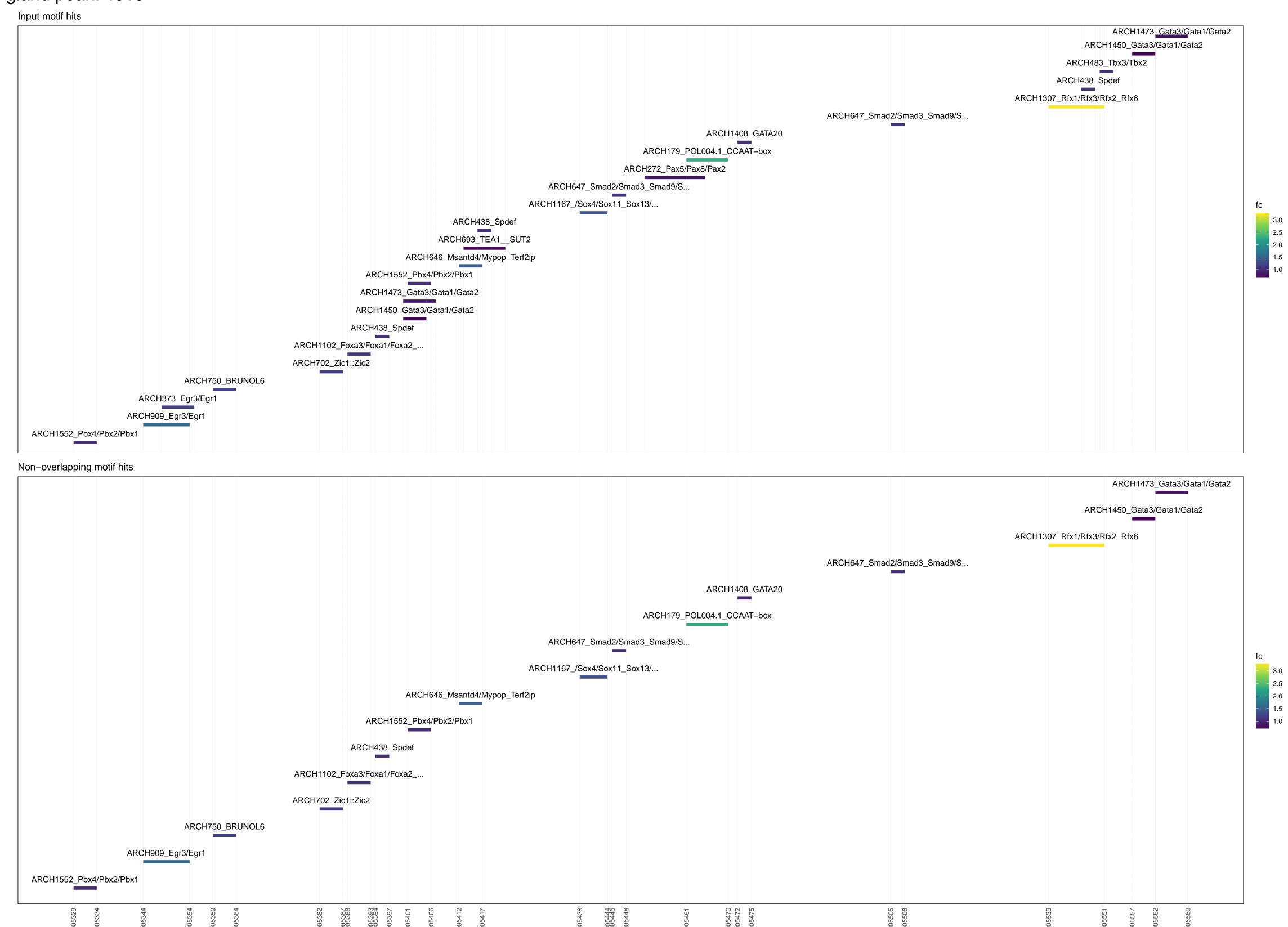
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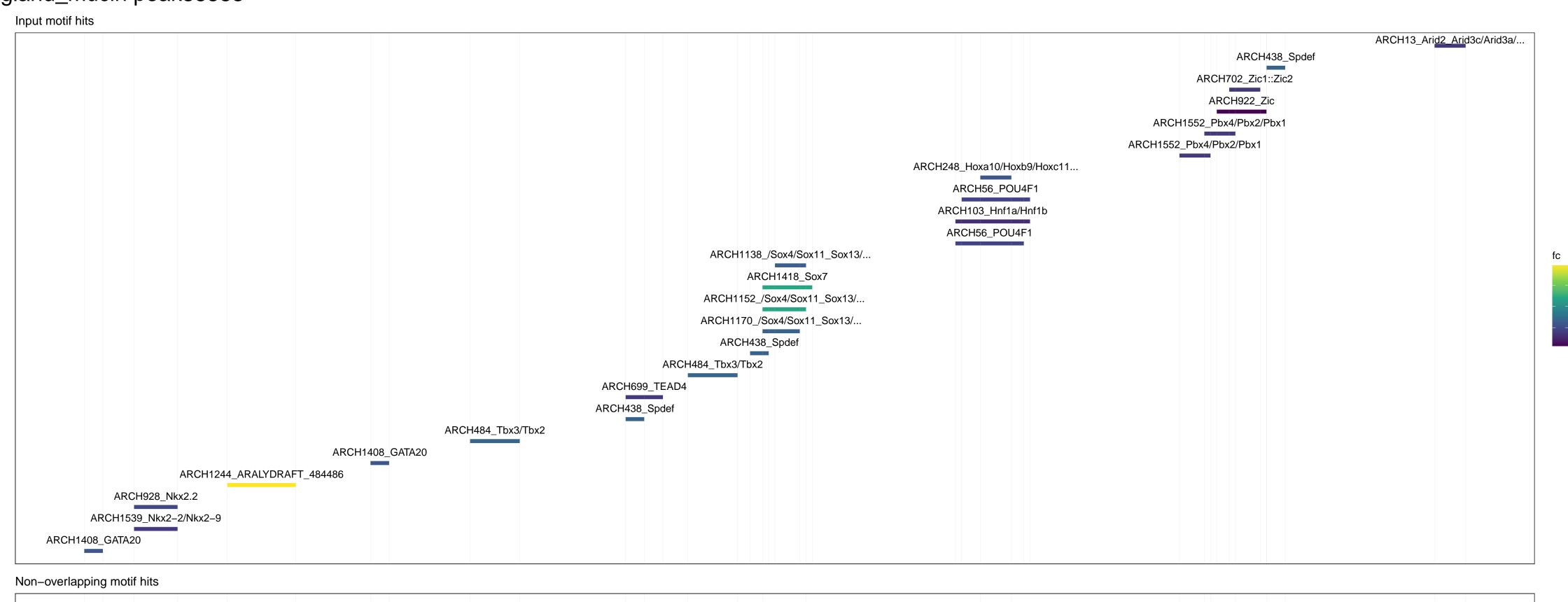


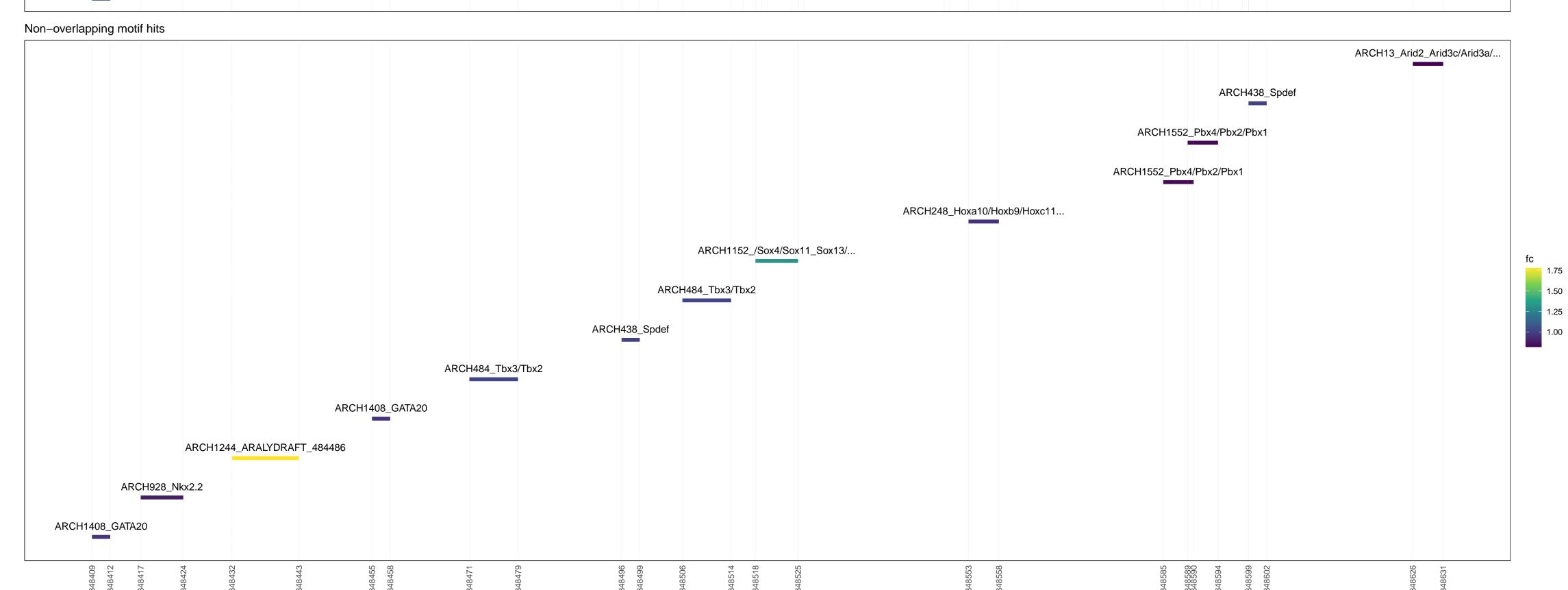


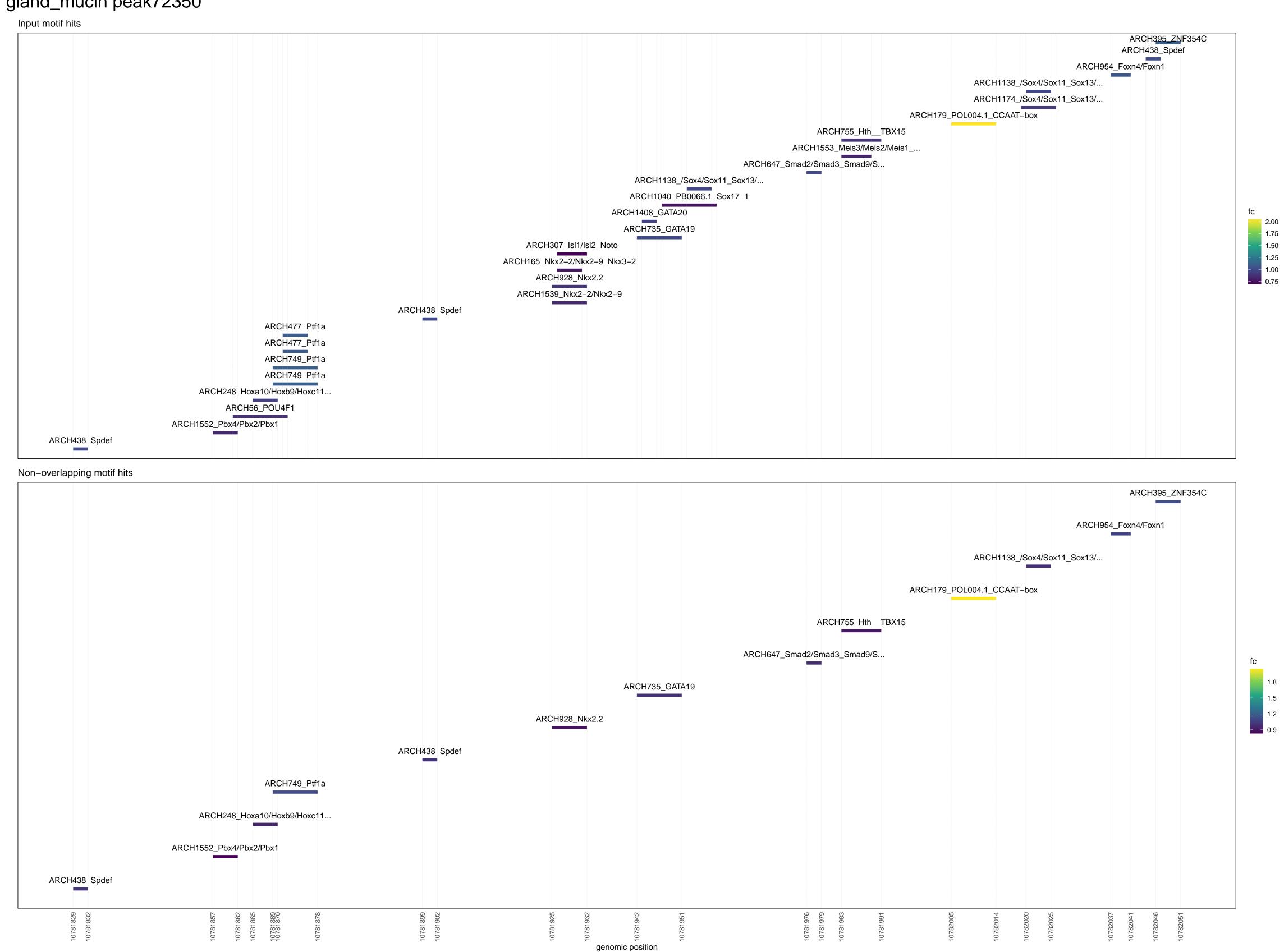


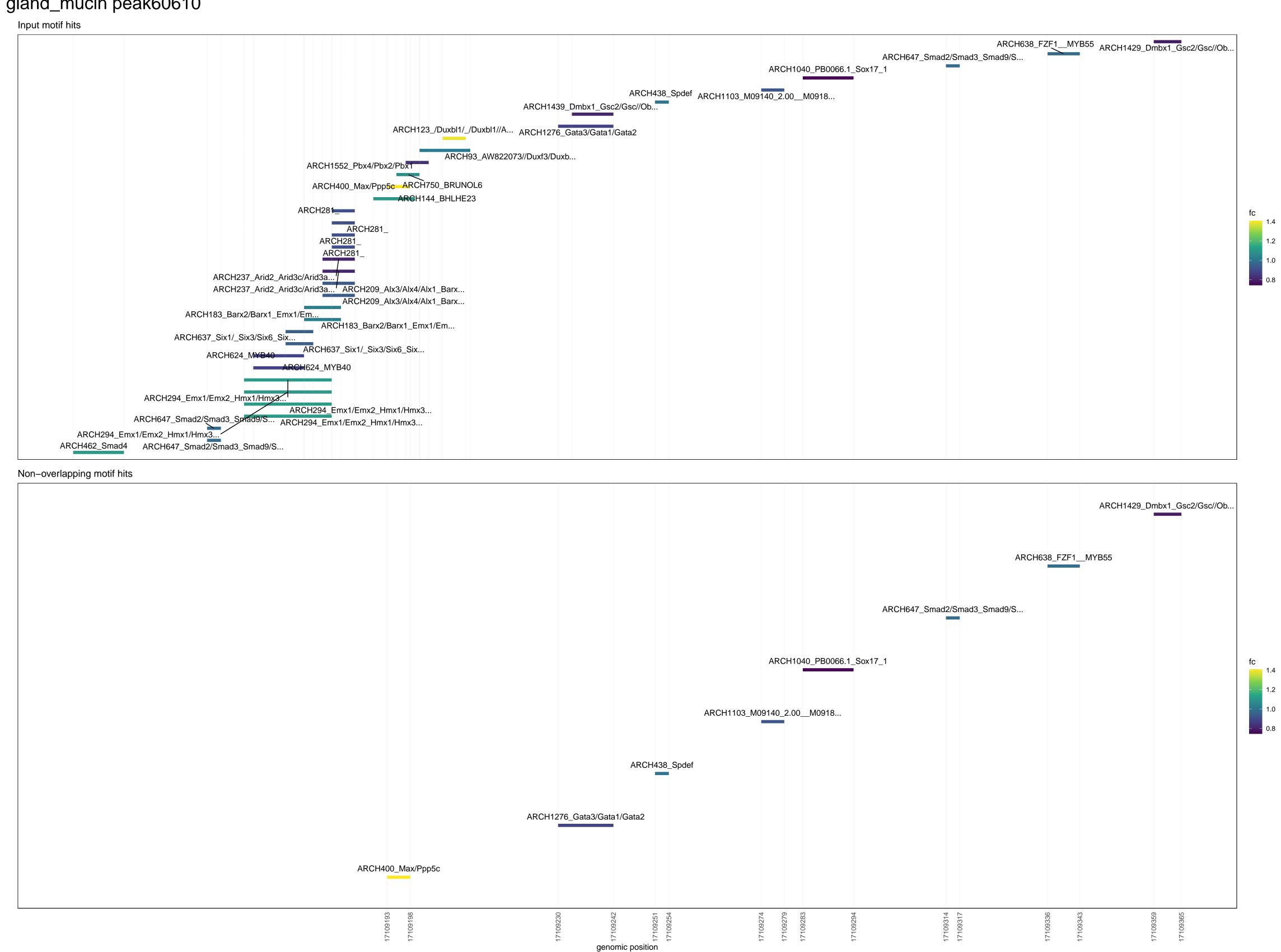








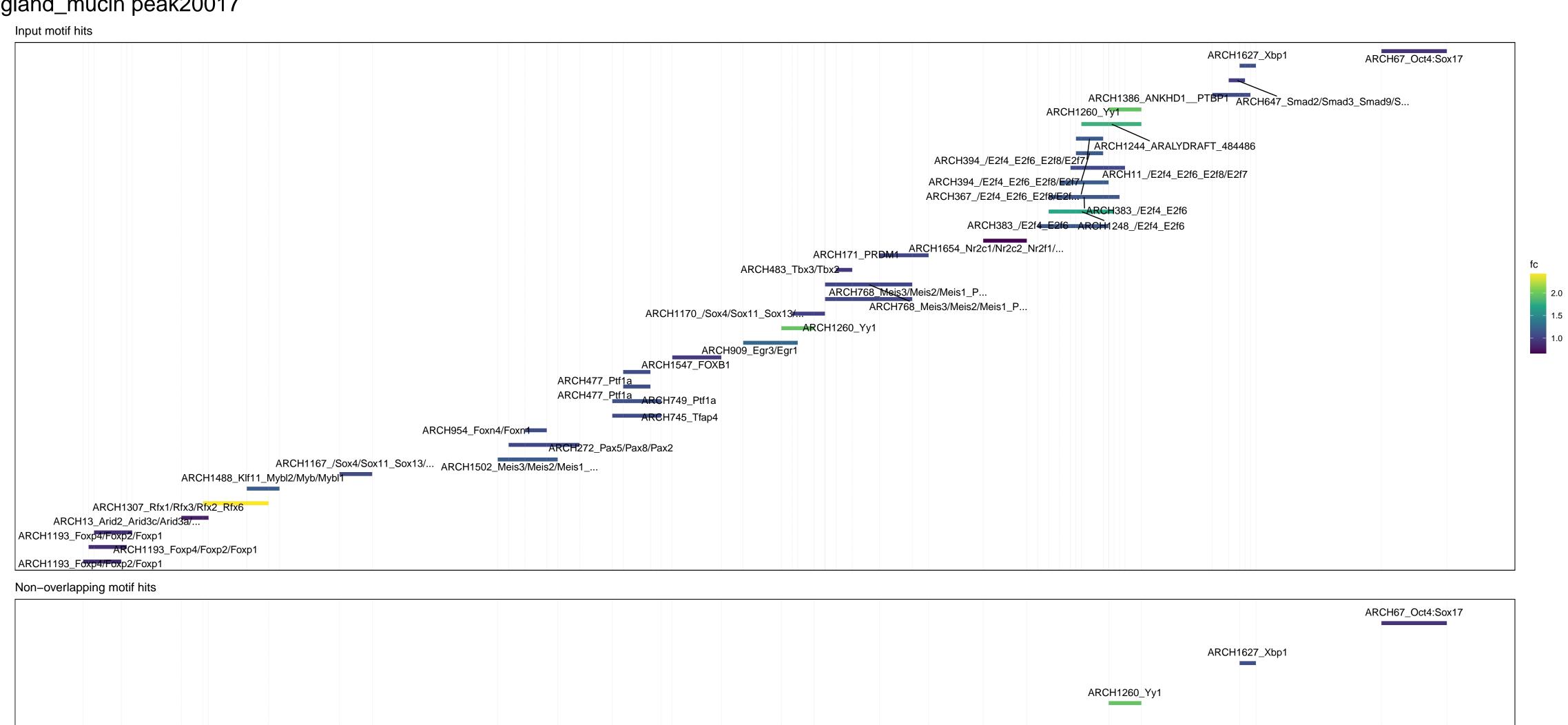


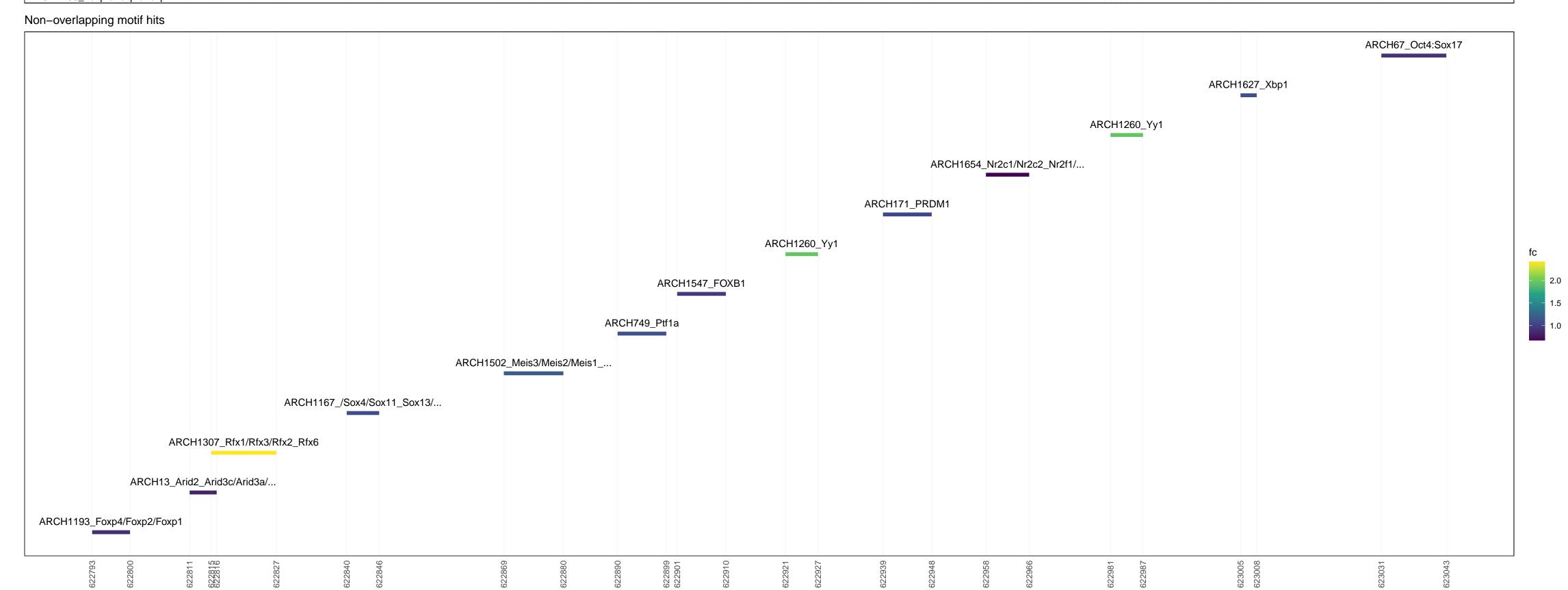


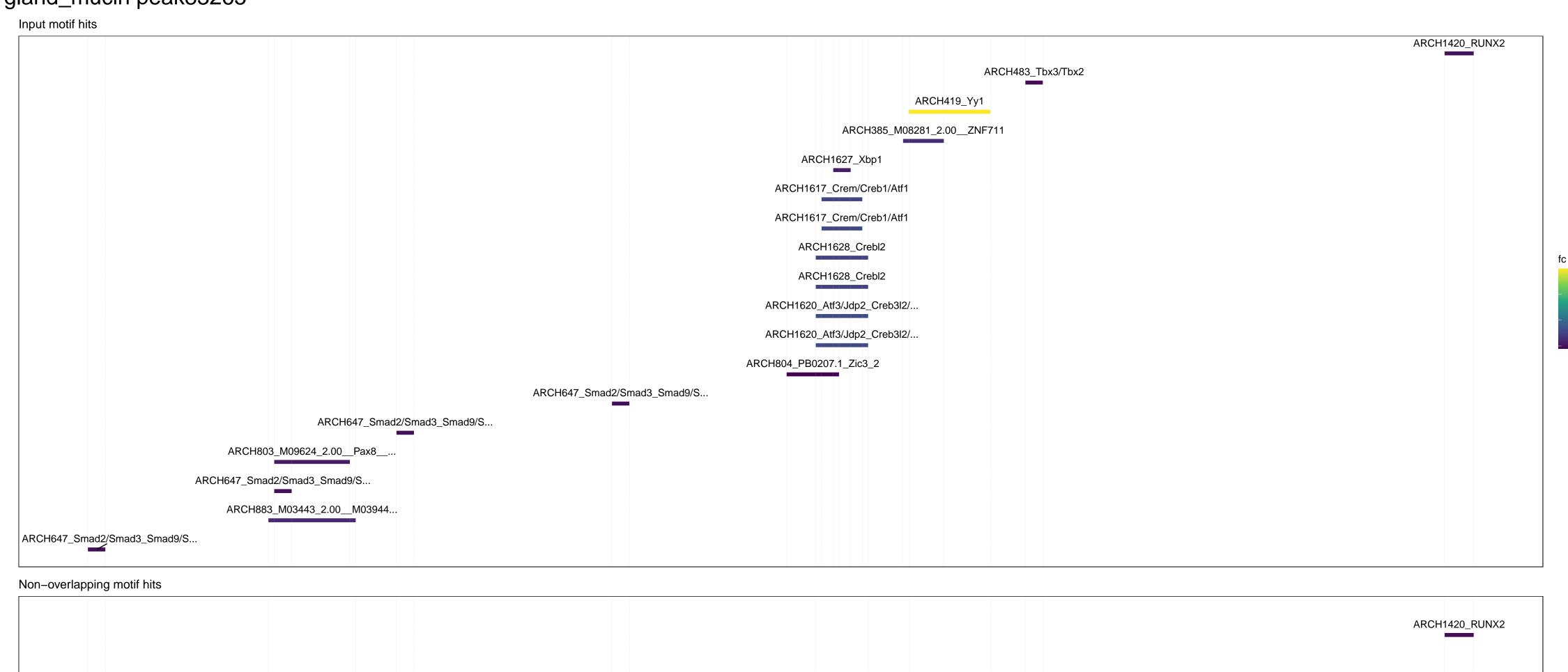
ARCH419_Yy1

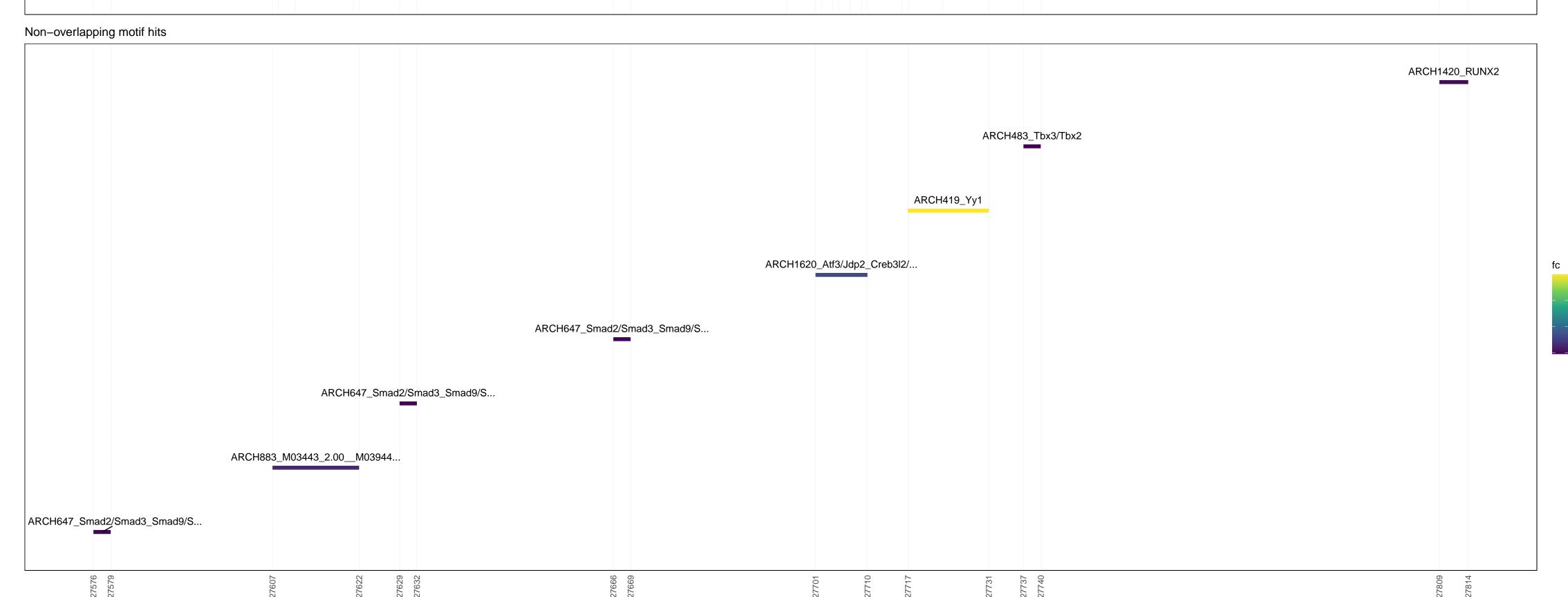
ARCH1521_Nkx2-2/Nkx2-9

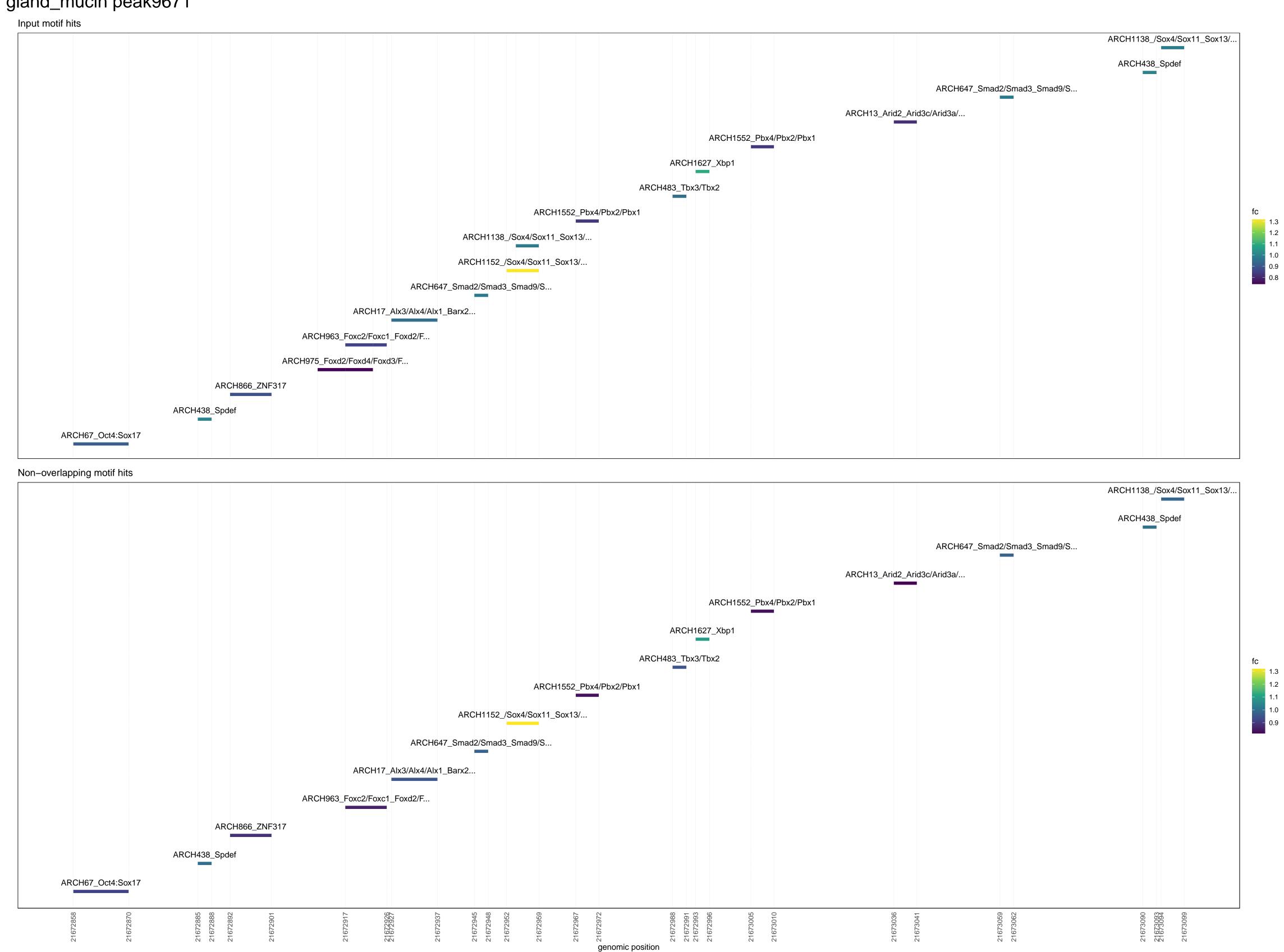
gland_mucin peak20017 Input motif hits



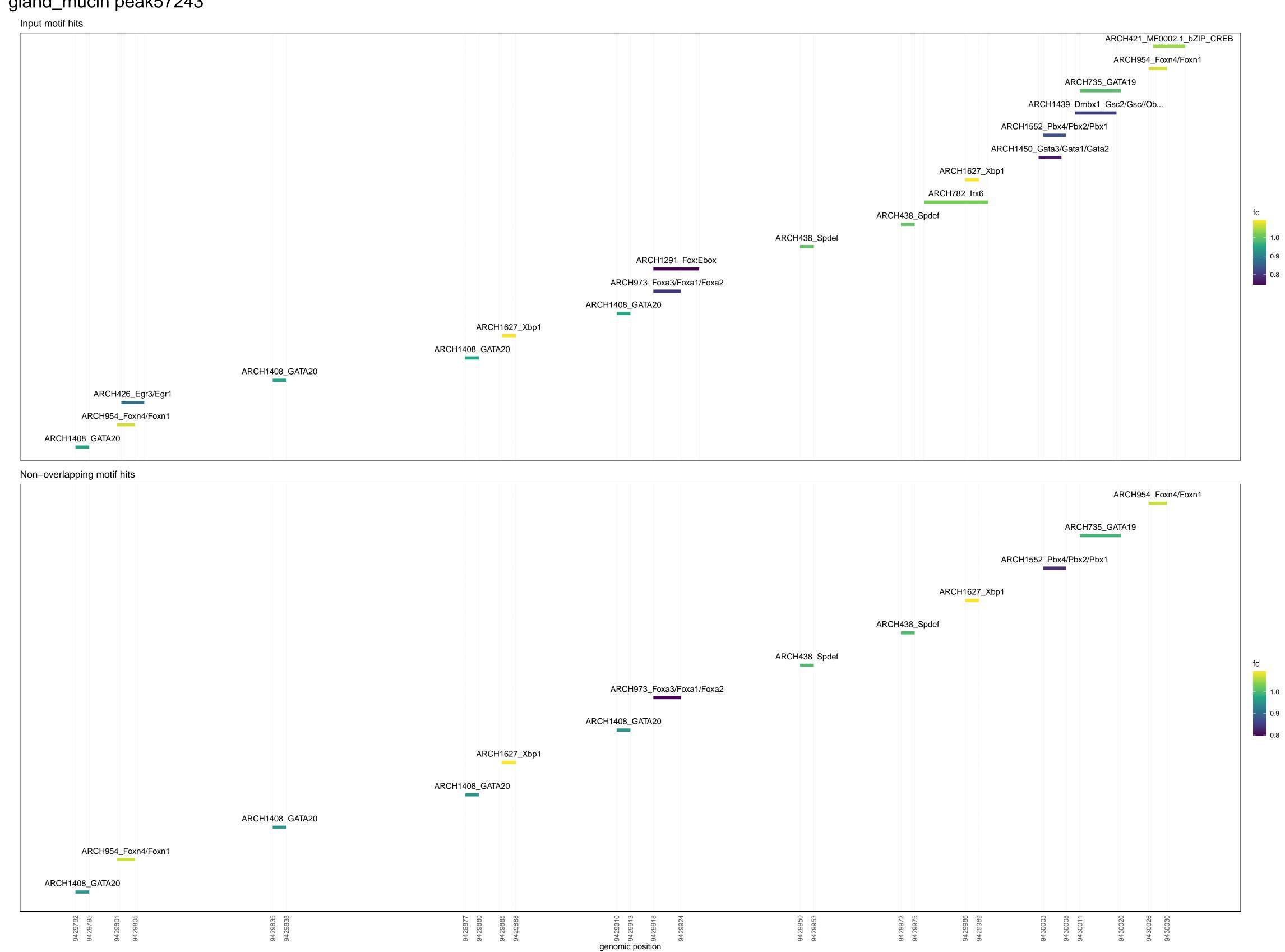








gland_mucin peak63824 Input motif hits ARCH973_Foxa3/Foxa1/Foxa2 ARCH647_Smad2/Smad3_Smad9/S... ARCH400_Max/Ppp5c ARCH1573_M08725_2.00 ARCH363_IBL1__M04191_2.00__... ARCH363_IBL1__M04191_2.00__... ARCH377_Nrf1 ARCH1397_RBFox2__OCT:OCT-short 1.50 1.25 ARCH377_Nrf1 1.00 ARCH377_Nrf1 ARCH183_Barx2/Barx1_Emx1/Em... ARCH1547_FOXB1 ARCH395_ZNF354C ARCH129_PB0178.1_Sox8_2 ARCH13_Arid2_Arid3c/Arid3a/... ARCH975_Foxd2/Foxd4/Foxd3/F... Non-overlapping motif hits ARCH973_Foxa3/Foxa1/Foxa2 ARCH647_Smad2/Smad3_Smad9/S... ARCH377_Nrf1 ARCH183_Barx2/Barx1_Emx1/Em... 1.25 ARCH1547_FOXB1 1.00 ARCH395_ZNF354C ARCH129_PB0178.1_Sox8_2 ARCH13_Arid2_Arid3c/Arid3a/...



gland_mucin peak111730 Input motif hits ARCH1104_Mef2c/Mef2b/Mef2a/... ARCH1552_Pbx4/Pbx2/Pbx1 ARCH438_Spdef ARCH1627_Xbp1 ARCH1617_Crem/Creb1/Atf1 ARCH477_Ptf1a ARCH749_Ptf1a ARCH1463_Gata3/Gata1/Gata2 ARCH950_POU6F1 ARCH146_Alx3/Alx4/Alx1_Barx... ARCH248_Hoxa10/Hoxb9/Hoxc11... 2.5 ARCH1654_Nr2c1/Nr2c2_Nr2f1/... 2.0 ARCH438_Spdef 1.5 ARCH543_PB0140.1_Irf6_2__ZN... ARCH483_Tbx3/Tbx2 ARCH172_PB0048.1_Nkx3-1_1 ARCH395_ZNF354C ARCH395_ZNF354C ARCH452_Rfx1/Rfx3/Rfx2_Rfx6 ARCH1294_Elf3/Ehf/Elf5_Erg/... ARCH438_Spdef ARCH647_Smad2/Smad3_Smad9/S... ARCH504_Pax5/Pax8/Pax2 ARCH1408_GATA20 Non-overlapping motif hits ARCH1552_Pbx4/Pbx2/Pbx1 ARCH438_Spdef ARCH1617_Crem/Creb1/Atf1 ARCH146_Alx3/Alx4/Alx1_Barx... ARCH248_Hoxa10/Hoxb9/Hoxc11... ARCH438_Spdef 2.0 ARCH543_PB0140.1_Irf6_2__ZN... 1.5 1.0 ARCH483_Tbx3/Tbx2 ARCH452_Rfx1/Rfx3/Rfx2_Rfx6 ARCH438_Spdef ARCH504_Pax5/Pax8/Pax2 ARCH1408_GATA20