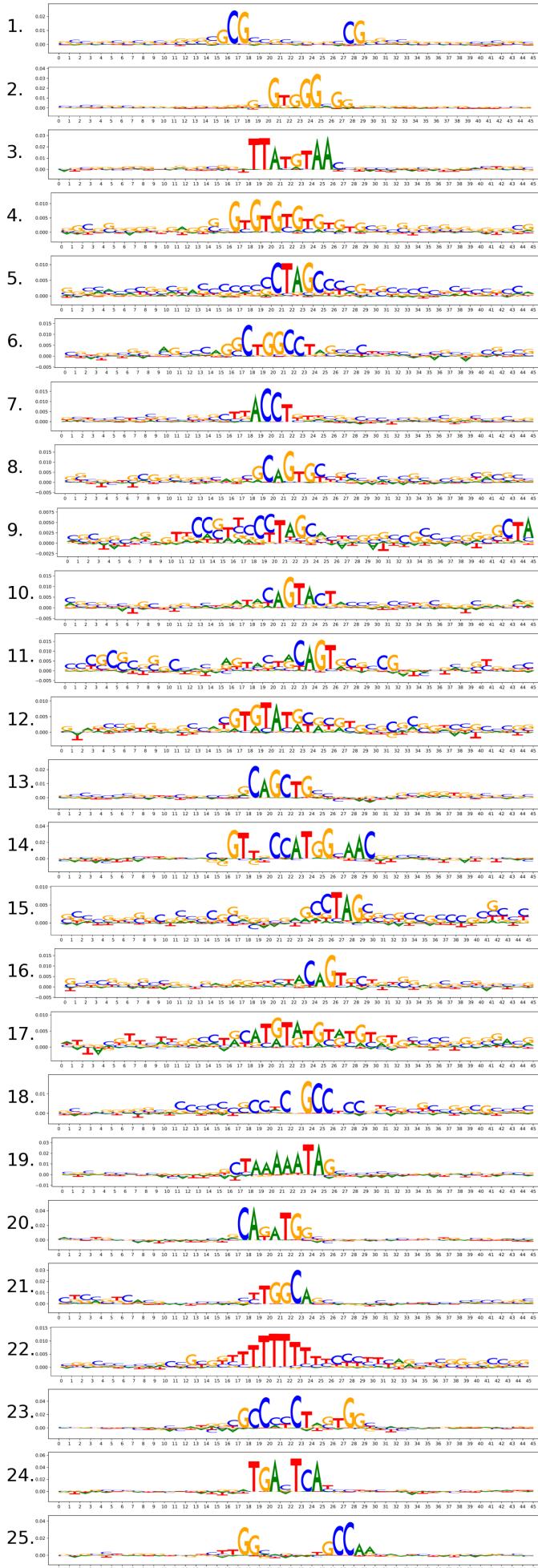
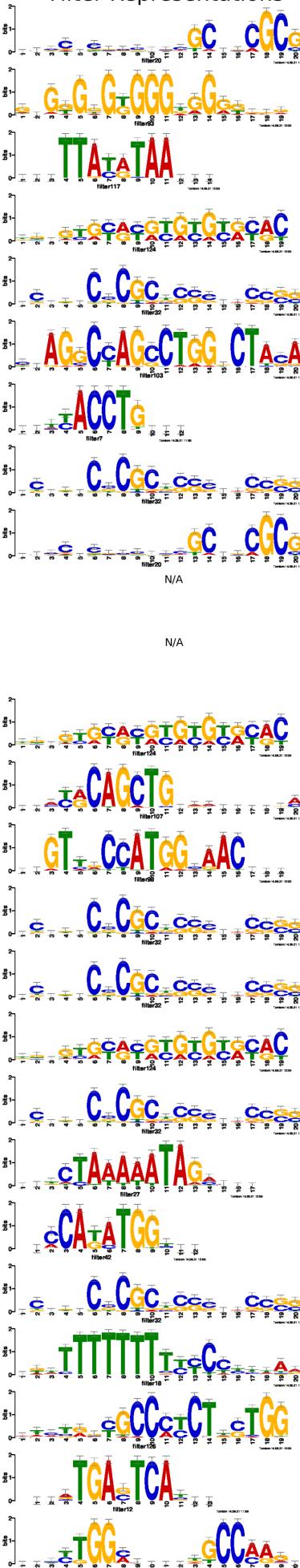


EX

TF-Modisco Clusters



Filter Representations



TomTom Motif Matches

MA0162.2 (EGR1), MA1513.1 (KLF15)
 MA0469.1 (E2F3), MA1584.1 (ZIC5)
 MA1653.1 (ZNF148), MA0516.1 (SP2)
 MA0079.2 (SP1), MA0697.1 (ZIC3)
 MA1650.1 (ZBTB14), MA0162.4 (EGR1)
 MA0073.1 (RREB1), MA0528.1 (ZNF263)
 MA1627.1 (Wt1), MA0753.1 (ZNF740)
 MA0472.1 (EGR2), MA0068.1 (Pax4)
 MA0039.4 (KLF4), MA1514.1 (KLF17)
 MA1107.2 (KLF9), MA0753.2 (ZNF740)
 MA0025.2 (NFI3), MA0043.3 (HLF)
 MA0639.1 (DBP), MA0043.2 (HLF)
 MA0843.1 (TEF), MA0102.4 (CEBPA)
 MA0025.1 (NFI3), MA0836.2 (CEBDP)
 MA1636.1 (CEBDP(var.2)), MA0833.2 (ATF4)
 MA1560.1 (SOHLH2)
 MA0464.1 (Bhlhe40)

MA1513.1 (KLF15), MA0516.1 (SP2)
 MA0471.2 (E2F6), MA0079.3 (SP1)
 MA0470.1 (E2F4), MA1122.1 (TFDP1)
 MA1653.1 (ZNF148), MA0162.2 (EGR1)
 MA0079.2 (SP1), MA0024.2 (E2F1)
 MA0258.2 (ESR2)

MA0103.2 (ZEB1)

MA1513.1 (KLF15), MA0516.1 (SP2)
 MA0471.2 (E2F6), MA0079.3 (SP1)
 MA0470.1 (E2F4), MA1122.1 (TFDP1)
 MA1653.1 (ZNF148), MA0162.2 (EGR1)
 MA0079.2 (SP1), MA0024.2 (E2F1)
 MA0162.2 (EGR1), MA1513.1 (KLF15)
 MA0469.1 (E2F3), MA1584.1 (ZIC5)
 MA1653.1 (ZNF148), MA0516.1 (SP2)
 MA0079.2 (SP1), MA0697.1 (ZIC3)
 MA1650.1 (ZBTB14), MA0162.4 (EGR1)

MA1560.1 (SOHLH2)
 MA0464.1 (Bhlhe40)

MA1635.1 (BHLHE22(var.2))

MA0509.1 (Rfx1), MA0600.1 (RFX2)
 MA0798.1 (RFX3), MA0510.2 (RFX5)
 MA0798.2 (RFX3), MA0509.2 (RFX1)
 MA0600.2 (RFX2), MA0799.1 (RFX4)
 MA0510.1 (RFX5), MA1528.1 (NFI(var.2))
 MA1513.1 (KLF15), MA0516.1 (SP2)
 MA0471.2 (E2F6), MA0079.3 (SP1)
 MA0470.1 (E2F4), MA1122.1 (TFDP1)
 MA1653.1 (ZNF148), MA0162.2 (EGR1)
 MA0079.2 (SP1), MA0024.2 (E2F1)
 MA1513.1 (KLF15), MA0516.1 (SP2)
 MA0471.2 (E2F6), MA0079.3 (SP1)
 MA0470.1 (E2F4), MA1122.1 (TFDP1)
 MA1653.1 (ZNF148), MA0162.2 (EGR1)
 MA0079.2 (SP1), MA0024.2 (E2F1)
 MA1560.1 (SOHLH2)
 MA0464.1 (Bhlhe40)

MA1513.1 (KLF15), MA0516.1 (SP2)
 MA0471.2 (E2F6), MA0079.3 (SP1)
 MA0470.1 (E2F4), MA1122.1 (TFDP1)
 MA1653.1 (ZNF148), MA0162.2 (EGR1)
 MA0079.2 (SP1), MA0024.2 (E2F1)
 MA0052.4 (MEF2A), MA0052.2 (MEF2A)
 MA0497.1 (MEF2C), MA0052.3 (MEF2A)
 MA0773.1 (MEF2D)
 MA0660.1 (MEF2B)
 MA0052.1 (MEF2A)
 MA0678.1 (OLIG2), MA0623.1 (Neurog1)
 MA0827.1 (OLIG3), MA0091.1 (TAL1::TCF3)
 MA0633.1 (Twist2), MA0826.1 (OLIG1)
 MA0668.1 (NEUROD2), MA1468.1 (ATOH7)
 MA1568.1 (TCF21(var.2)), MA0461.2 (Atoh1)
 MA1513.1 (KLF15), MA0516.1 (SP2)
 MA0471.2 (E2F6), MA0079.3 (SP1)
 MA0470.1 (E2F4), MA1122.1 (TFDP1)
 MA1653.1 (ZNF148), MA0162.2 (EGR1)
 MA0079.2 (SP1), MA0024.2 (E2F1)
 MA1125.1 (ZNF384)

MA0139.1 (CTCF)
 MA1102.1 (CTCFL)
 MA1102.2 (CTCFL)

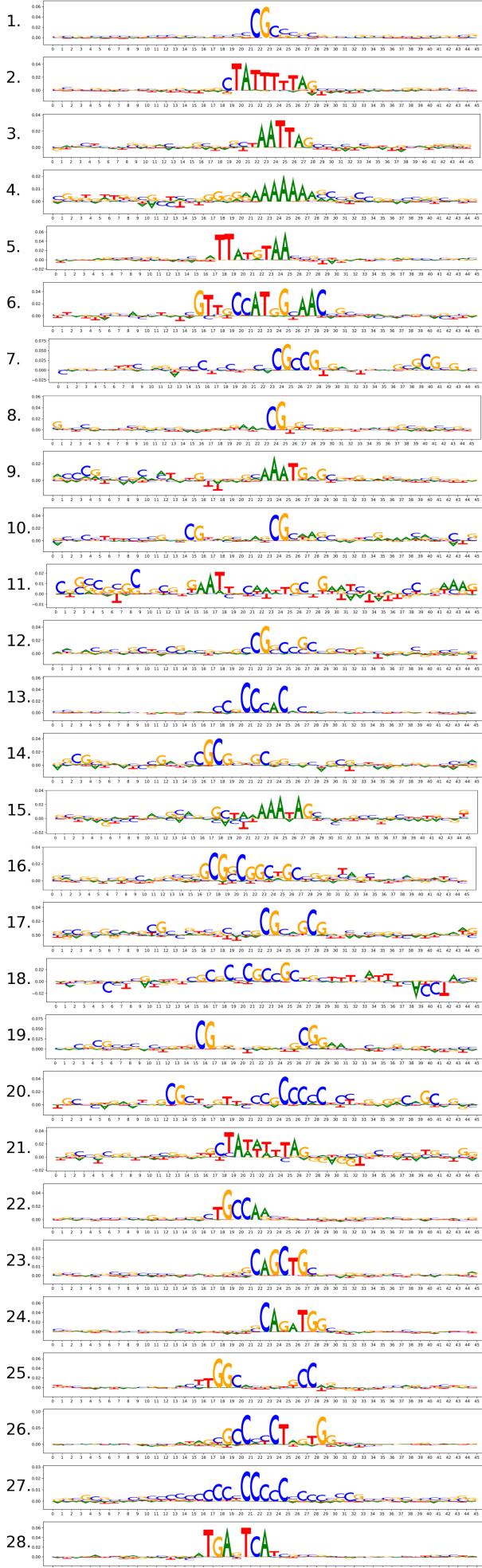
MA1134.1 (FOS::JUNB), MA1144.1 (FOSL2::JUND)
 MA1135.1 (FOSB::JUNB), MA1138.1 (FOSL2::JUND)
 MA1130.1 (FOSL2::JUN), MA0099.3 (FOSL2::JUND)
 MA0655.1 (JDP2), MA1128.1 (FOSL1::JUND)
 MA1142.1 (FOSL1::JUND), MA0478.1 (FOSL2)
 MA0119.1 (NFIC::TLX1)
 MA1643.1 (NFIB)
 MA1528.1 (NFIX(var.2))
 MA0161.1 (NFIC)

TF-Modisco Clusters

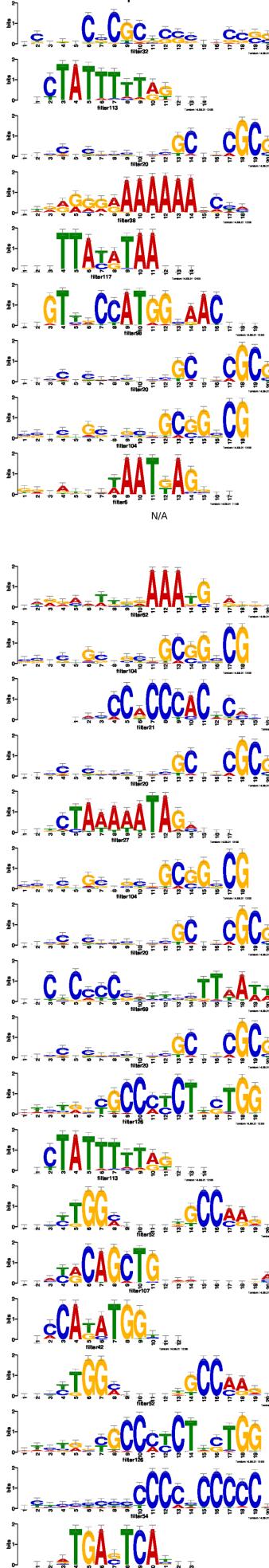
The figure consists of 46 panels, each representing a different TF-Modisco cluster. Each panel contains a sequence logo at the top, followed by a horizontal axis labeled from 1 to 45. Below the axis, four colored lines (red, green, blue, orange) represent the probability of each base (A, T, C, G) at each position. The red line generally shows the highest probability across most positions.

LAMP5

TF-Modisco Clusters



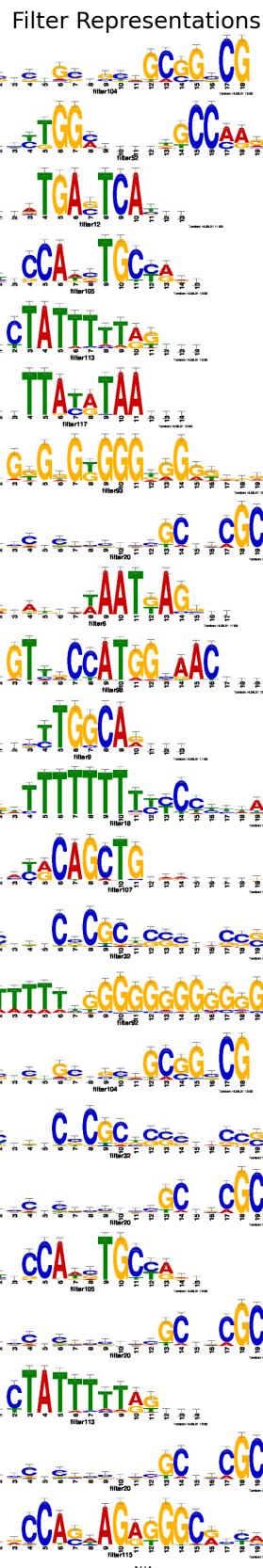
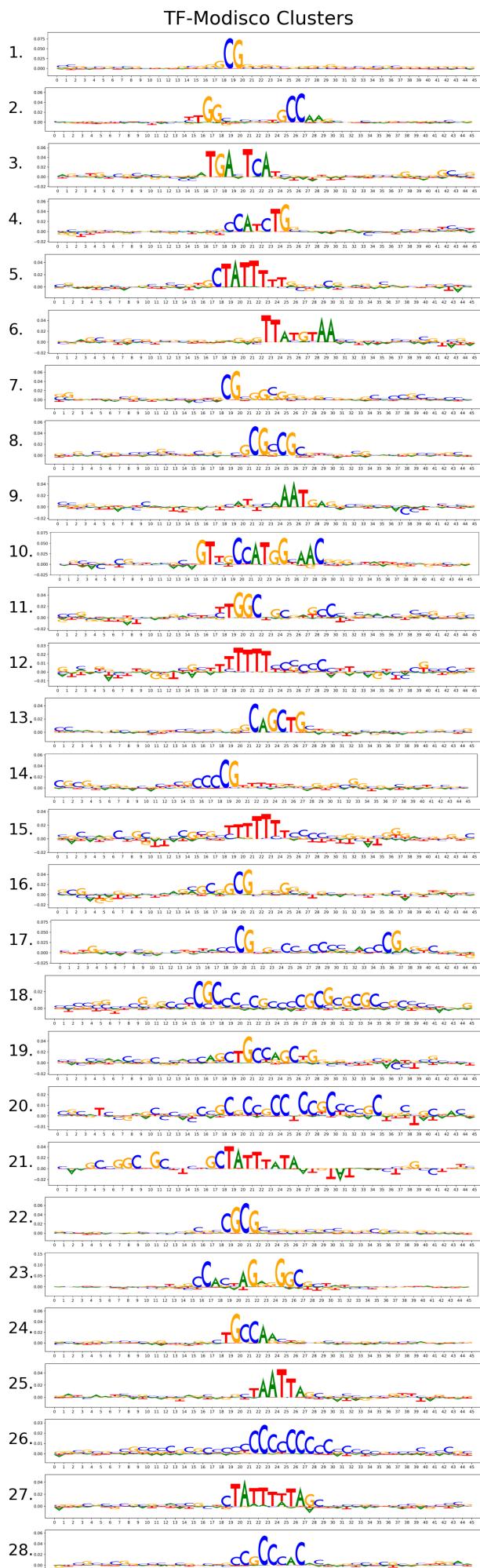
Filter Representations



TomTom Motif Matches

MA1513.1 (KLF15), MA0516.1 (SP2)
MA0471.2 (E2F3), MA0079.3 (SP1)
MA0470.1 (E2F4), MA1122.1 (TFDP1)
MA1653.1 (ZNF148), MA0162.2 (EGR1)
MA0079.2 (SP1), MA0024.2 (E2F1)
MA0497.1 (MEF2C), MA0052.4 (MEF2A)
MA0052.3 (MEF2A), MA0052.1 (MEF2A)
MA0773.1 (MEF2D)
MA0052.1 (MEF2A)
MA0660.1 (MEF2B)
MA0162.2 (EGR1), MA1513.1 (KLF15)
MA0469.1 (E2F3), MA1584.1 (ZIC5)
MA1653.1 (ZNF148), MA0516.1 (SP2)
MA0079.2 (SP1), MA0097.1 (ZIC3)
MA1650.1 (ZBTB14), MA0162.4 (EGR1)
MA0851.1 (FoxJ3)
MA0025.2 (NFIIL3), MA0043.3 (HLF)
MA0516.1 (DBP), MA043.3 (HLF)
MA0843.1 (TEF1), MA0102.4 (CEBPA)
MA0025.1 (NFIIL3), MA00836.2 (CEBPD)
MA1636.1 (CEBPB(var.2)), MA0833.2 (ATF4)
MA0509.1 (RFX1), MA0600.1 (RFX2)
MA0798.1 (RFX3), MA0510.2 (RFX5)
MA0798.2 (RFX3), MA0509.2 (RFX1)
MA0600.2 (RFX2), MA0799.1 (RFX4)
MA0510.1 (RFX5), MA1528.1 (NFX1(var.2))
MA0162.2 (EGR1), MA1513.1 (KLF15)
MA0469.1 (E2F3), MA1584.1 (ZIC5)
MA1653.1 (ZNF148), MA0516.1 (SP2)
MA0079.2 (SP1), MA0097.1 (ZIC3)
MA1650.1 (ZBTB14), MA0162.4 (EGR1)
MA1100.1 (ASCL1), MA0131.2 (HINFP)
MA0830.2 (TCF4), MA0146.1 (Zfx)
MA0146.2 (Zfx)
MA1529.1 (NHLH2)
MA1628.1 (Zic1::Zic2)
MA0900.1 (HOXA2), MA0912.2 (HOXD3)
MA1549.1 (POU6F1(var.2)), MA0612.2 (EMX1)
MA0900.2 (HOXA2), MA0904.2 (HOXB5)
MA0886.1 (EMX2), MA0612.1 (EMX1)
MA0888.1 (EVX2), MA0723.1 (VAX2)
MA0606.1 (NFAT5)
MA0080.5 (SP1)
MA1100.1 (ASCL1), MA0131.2 (HINFP)
MA0830.2 (TCF4), MA0146.1 (Zfx)
MA0146.2 (Zfx)
MA1529.1 (NHLH2)
MA1628.1 (Zic1::Zic2)
MA0472.1 (EGR2), MA0162.4 (EGR1)
MA1627.1 (W1), MA0073.1 (RREB1)
MA1531.1 (NR1D1), MA0162.2 (EGR1)
MA0753.1 (ZNF740), MA1532.1 (NR1D2)
MA1107.2 (KLF9), MA0746.1 (SP3)
MA0162.2 (EGR1), MA1513.1 (KLF15)
MA0469.1 (E2F3), MA1584.1 (ZIC5)
MA1653.1 (ZNF148), MA0516.1 (SP2)
MA0079.2 (SP1), MA0097.1 (ZIC3)
MA1650.1 (ZBTB14), MA0162.4 (EGR1)
MA0052.4 (MEF2A), MA0052.2 (MEF2A)
MA0497.1 (MEF2C), MA0052.3 (MEF2A)
MA0773.1 (MEF2D)
MA0660.1 (MEF2B)
MA0052.1 (MEF2A)
MA1100.1 (ASCL1), MA0131.2 (HINFP)
MA0830.2 (TCF4), MA0146.1 (Zfx)
MA0146.2 (Zfx)
MA1529.1 (NHLH2)
MA1628.1 (Zic1::Zic2)
MA0162.2 (EGR1), MA1513.1 (KLF15)
MA0469.1 (E2F3), MA1584.1 (ZIC5)
MA1653.1 (ZNF148), MA0516.1 (SP2)
MA0079.2 (SP1), MA0097.1 (ZIC3)
MA1650.1 (ZBTB14), MA0162.4 (EGR1)
MA0079.2 (SP1)
MA0039.1 (KIF4)
MA1630.1 (Znf281)
MA0162.2 (EGR1), MA1513.1 (KLF15)
MA0469.1 (E2F3), MA1584.1 (ZIC5)
MA1653.1 (ZNF148), MA0516.1 (SP2)
MA0079.2 (SP1), MA0097.1 (ZIC3)
MA1650.1 (ZBTB14), MA0162.4 (EGR1)
MA0139.1 (CTCF)
MA1102.1 (CTCFL)
MA1102.2 (CTCFL)
MA0497.1 (MEF2C), MA0052.4 (MEF2A)
MA0052.3 (MEF2A), MA0052.2 (MEF2A)
MA0773.1 (MEF2D)
MA0052.1 (MEF2A)
MA0660.1 (MEF2B)
MA0119.1 (NFIC::TLX1)
MA1643.1 (NFB)
MA1528.1 (NFX1(var.2))
MA0161.1 (NFIC)
MA1635.1 (BHLHE22(var.2))
MA0678.1 (OLIG2), MA0623.1 (Neurog1)
MA0827.1 (OLIG3), MA0091.1 (TAI1::TCF3)
MA0633.1 (Twist2), MA0826.1 (OLIG1)
MA0668.1 (NEUROD2), MA1468.1 (ATOH7)
MA1568.1 (TCF21(var.2)), MA0461.2 (Atoh1)
MA0119.1 (NFIC::TLX1)
MA1643.1 (NFB)
MA1528.1 (NFX1(var.2))
MA0161.1 (NFIC)
MA0139.1 (CTCF)
MA1102.1 (CTCFL)
MA1102.2 (CTCFL)
MA0528.1 (ZNF263), MA1653.1 (ZNF148)
MA1627.1 (W1), MA0068.1 (Pax4)
MA0073.1 (RREB1), MA0516.1 (SP2)
MA0753.2 (ZNF740), MA0079.2 (SP1)
MA0753.1 (ZNF740), MA00528.2 (ZNF263)
MA1134.1 (FOS::JUNB), MA1144.1 (FOSL2::JUND)
MA1135.1 (FOSB::JUNB), MA1138.1 (FOSL2::JUND)
MA1130.1 (FOSL2::JUN), MA0099.3 (FOS::JUN)
MA0655.1 (DP2), MA1128.1 (FOSL1::JUN)
MA1142.1 (FOSL1::JUND), MA0478.1 (FOSL2)

VIP



TomTom Motif Matches

MA0113.1 (ASCL1), MA0131.2 (HNFPP)
MA0830.2 (TCF4), MA0146.1 (Zfx)
MA0146.2 (Zfx)
MA1529.1 (NHLH2)
MA1628.1 (Zic1::Zic2)
MA0119.1 (NFIC::TLX1)
MA1643.1 (TFIIB)
MA1526.1 (NFIXvar.2)
MA0161.1 (NFIC)

MA1134.1 (FOS::JUNB), MA1144.1 (FOSL2::JUND)
MA1135.1 (FOSB::JUNB), MA1138.1 (FOSL2::JUND)
MA1136.1 (FOSL2::JUN), MA0099.3 (FOS::JUN)
MA0655.1 (OP2), MA1228.1 (FOSL1::JUN)
MA1142.1 (FOSL1::JUND), MA0478.1 (FOSL2)
MA0100.3 (MYB)
MA0100.2 (Myb)

MA0497.1 (MEF2C), MA0052.4 (MEF2A)
MA0052.3 (MEF2A), MA0052.2 (MEF2A)
MA0773.1 (MEF2D)
MA0052.1 (MEF2A)
MA0660.1 (MEF2B)
MA0025.2 (NFL3), MA0043.3 (HLF)
MA0639.1 (DPB), MA0043.2 (HLF)
MA0843.1 (E2F1), MA0102.4 (CEBPA)
MA0025.1 (NFL3), MA0836.2 (CEBD)
MA1636.1 (CEBPGvar.2), MA0833.2 (ATF4)
MA0073.1 (RREB1), MA0528.1 (ZNF263)
MA1627.1 (WT1), MA0753.1 (ZNF740)
MA0472.1 (EGR2), MA0068.1 (Pax4)
MA0039.4 (KLF4), MA1514.1 (KLF17)
MA1107.2 (KLF9), MA0753.2 (ZNF740)
MA0162.2 (EGR1), MA1513.1 (KLF15)
MA0469.1 (E2F3), MA1584.1 (ZIC5)
MA1653.1 (ZNF148), MA0516.1 (SP2)
MA0079.2 (SP1), MA0697.1 (ZIC3)
MA1650.1 (ZBTB14), MA0162.4 (EGR1)
MA0900.1 (HOXA2), MA0912.2 (HOXD3)
MA1549.1 (POU6F1var.2), MA0612.2 (EMX1)
MA0900.2 (HOXA2), MA0904.2 (HOXB5)
MA0886.1 (EMX2), MA0612.1 (EMX1)
MA0888.1 (EVX2), MA0723.1 (VAX2)
MA0509.1 (RFX1), MA0600.1 (RFX2)
MA0798.1 (RFX3), MA0510.2 (RFX5)
MA0798.2 (RFX3), MA0509.2 (RFX1)
MA0600.2 (RFX2), MA0799.1 (RFX4)
MA0510.1 (RFX5), MA1528.1 (NFIIXvar.2)
MA0161.1 (NFIC)
MA0758.1 (E2F7)
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MA0161.2 (NFIC)

MA1125.1 (ZNF384)

MA1635.1 (BHLHE22(var.2))

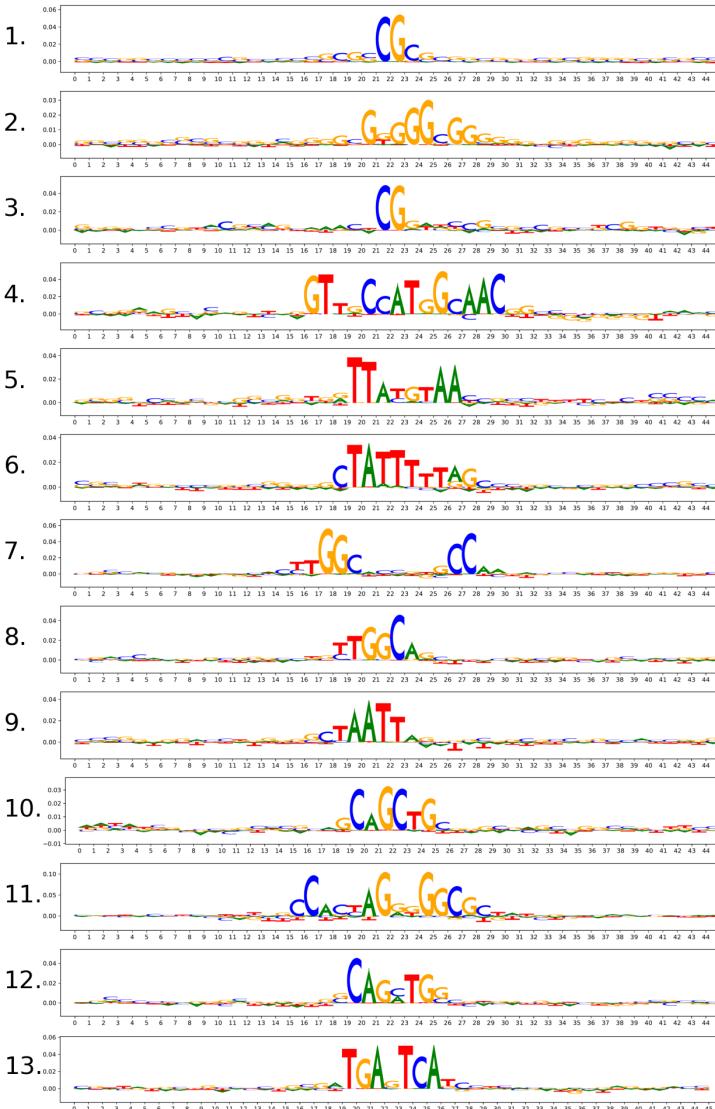
MA1513.1 (KLF15), MA0516.1 (SP2)
MA0471.2 (E2F6), MA0079.3 (SP1)
MA0470.1 (E2F4), MA1122.1 (TFDP1)
MA1653.1 (ZNF148), MA0162.2 (EGR1)
MA0079.2 (SP1), MA0024.2 (E2F1)
MA1653.1 (ZNF148), MA0753.2 (ZNF740)
MA0753.1 (ZNF740), MA1522.1 (MAZ)
MA0079.2 (SP1), MA0516.1 (SP2)
MA0528.2 (ZNF263), MA1513.1 (KLF15)
MA0039.4 (KLF4), MA1630.1 (Znf281)
MA1100.1 (ASCL1), MA0131.2 (HNFPP)
MA0830.2 (TCF4), MA0146.1 (Zfx)
MA0146.2 (Zfx)
MA1529.1 (NHLH2)
MA1628.1 (Zic1::Zic2)
MA1513.1 (KLF15), MA0516.1 (SP2)
MA0471.2 (E2F6), MA0079.3 (SP1)
MA0470.1 (E2F4), MA1122.1 (TFDP1)
MA1653.1 (ZNF148), MA0162.2 (EGR1)
MA0079.2 (SP1), MA0024.2 (E2F1)
MA0162.2 (EGR1), MA1513.1 (KLF15)
MA0469.1 (E2F3), MA1584.1 (ZIC5)
MA1653.1 (ZNF148), MA0516.1 (SP2)
MA0079.2 (SP1), MA0697.1 (ZIC3)
MA1650.1 (ZBTB14), MA0162.4 (EGR1)
MA0100.3 (MYB)
MA0100.2 (Myb)

MA0162.2 (EGR1), MA1513.1 (KLF15)
MA0469.1 (E2F3), MA1584.1 (ZIC5)
MA1653.1 (ZNF148), MA0516.1 (SP2)
MA0079.2 (SP1), MA0697.1 (ZIC3)
MA1650.1 (ZBTB14), MA0162.4 (EGR1)
MA0497.1 (MEF2C), MA0052.4 (MEF2A)
MA0052.3 (MEF2A), MA0052.2 (MEF2A)
MA0773.1 (MEF2D)
MA0052.1 (MEF2A)
MA0660.1 (MEF2B)
MA0162.2 (EGR1), MA1513.1 (KLF15)
MA0469.1 (E2F3), MA1584.1 (ZIC5)
MA1653.1 (ZNF148), MA0516.1 (SP2)
MA0079.2 (SP1), MA0697.1 (ZIC3)
MA1650.1 (ZBTB14), MA0162.4 (EGR1)
MA0139.1 (CTCF)
MA1102.1 (CTCFL)
MA1102.2 (CTCFL)

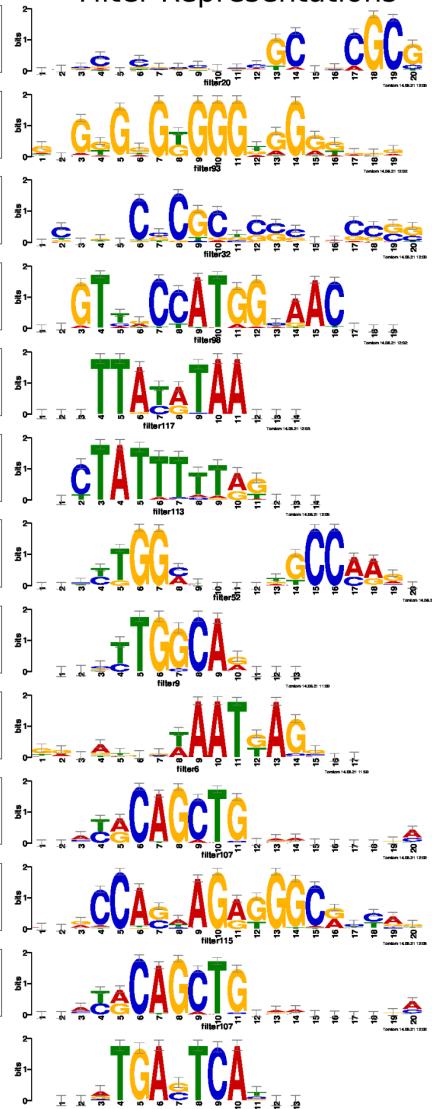
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MA0854.1 (Alx1), MA0683.1 (POU4F2)
MA0790.1 (POU4F1), MA0628.1 (POU6F1)
MA0791.1 (POU4F3), MA0701.1 (LHX9)
MA0528.1 (ZNF263), MA1531.1 (ZNF148)
MA1627.1 (WT1), MA0068.1 (Pax4)
MA0073.1 (RREB1), MA0516.1 (SP2)
MA0753.2 (ZNF740), MA0079.2 (SP1)
MA0753.1 (ZNF740), MA0528.2 (ZNF263)
MA0497.1 (MEF2C), MA0052.4 (MEF2A)
MA0052.3 (MEF2A), MA0052.2 (MEF2A)
MA0773.1 (MEF2D)
MA0052.1 (MEF2A)
MA0660.1 (MEF2B)
MA0472.1 (EGR2), MA0162.4 (EGR1)
MA1627.1 (WT1), MA0073.1 (RREB1)
MA1531.1 (NR1D1), MA0162.2 (EGR1)
MA0753.1 (ZNF740), MA1532.1 (NR1D2)
MA1107.2 (KLF9), MA0746.1 (SP3)

SNCG

TF-Modisco Clusters



Filter Representations



TomTom Motif Matches

MA0162.2 (EGR1), MA1513.1 (KLF15)
 MA0469.1 (E2F3), MA1584.1 (ZIC5)
 MA1653.1 (ZNF148), MA0516.1 (SP2)
 MA0079.2 (SP1), MA0697.1 (ZIC3)
 MA1653.1 (ZBTB14), MA0162.4 (EGR1)
 MA0073.1 (RREB1), MA0528.1 (ZNF263)
 MA1627.1 (WT1), MA0753.1 (ZNF740)
 MA0472.1 (EGR2), MA0068.1 (Pax4)
 MA0039.4 (KLF4), MA1514.1 (KLF17)
 MA1107.2 (KLF9), MA0753.2 (ZNF740)
 MA1513.1 (KLF15), MA0516.1 (SP2)
 MA0471.2 (E2F6), MA0079.3 (SP1)
 MA0470.1 (E2F4), MA1122.1 (TFDP1)
 MA1653.1 (ZNF148), MA0162.2 (EGR1)
 MA0079.2 (SP1), MA0024.2 (E2F1)
 MA0509.1 (RFX1), MA0600.1 (RFX2)
 MA0798.1 (RFX3), MA0510.2 (RFX5)
 MA0798.2 (RFX3), MA0509.2 (RFX1)
 MA0600.2 (RFX2), MA0799.1 (RFX4)
 MA0510.1 (RFX5), MA1528.1 (NFX1(var.2))
 MA0025.2 (NFLIL3), MA0043.3 (HLF)
 MA0639.1 (DBP), MA0043.2 (HLF)
 MA0843.1 (TEF), MA0102.4 (CEBPA)
 MA0025.1 (NFLIL3), MA0836.2 (CEBPD)
 MA1636.1 (CFRPG(var.2)), MA0833.2 (ATF4)
 MA0497.1 (MEF2C), MA0052.4 (MEF2A)
 MA0052.3 (MEF2A), MA0052.2 (MEF2A)
 MA0773.1 (MEF2D)
 MA0052.1 (MEF2A)
 MA0660.1 (MEF2B)
 MA0119.1 (NFIC::TLX1)
 MA1643.1 (NFIB)
 MA1528.1 (NFX1(var.2))
 MA0161.1 (NFIC)
 MA0161.1 (NFIC)
 MA0161.2 (NFIC)
 MA0900.1 (HOXA2), MA0912.2 (HOXD3)
 MA1549.1 (POU6F1(var.2)), MA0612.2 (EMX1)
 MA0900.2 (HOXA2), MA0904.2 (HOXB5)
 MA0886.1 (EMX2), MA0612.1 (EMX1)
 MA0888.1 (FVX2), MA0723.1 (VAX2)
 MA1635.1 (BHLHE22(var.2))

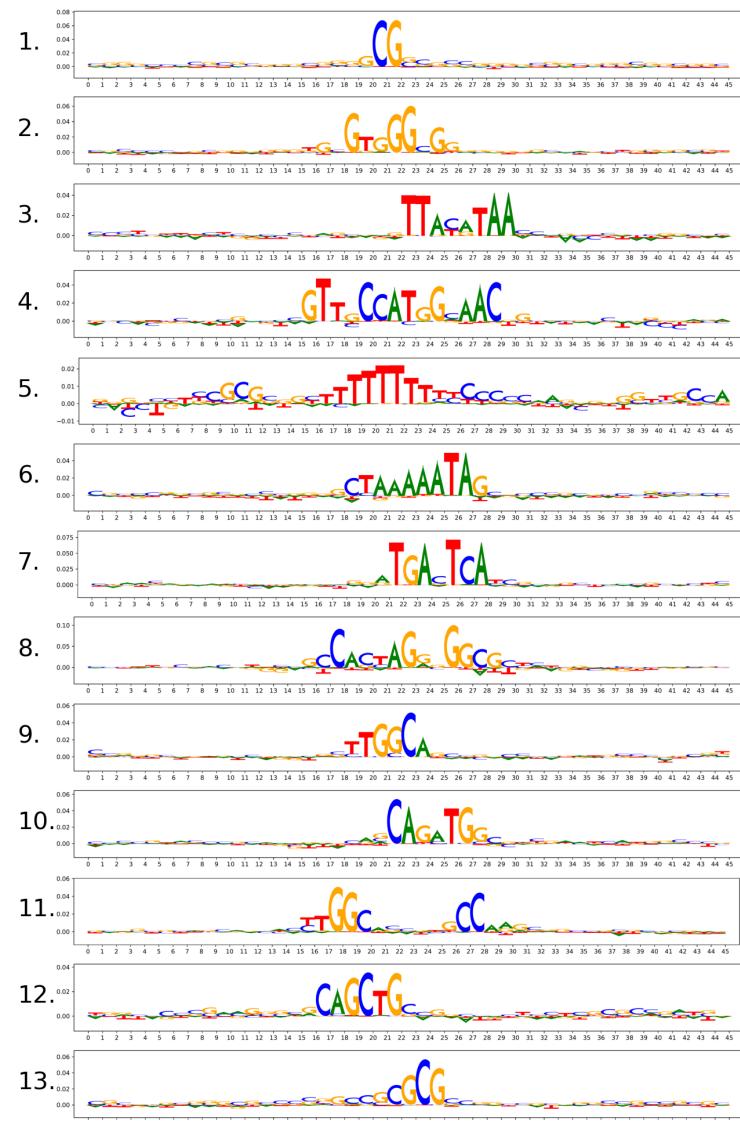
 MA0139.1 (CTCF)
 MA1102.1 (CTCFL)
 MA1102.2 (CTCFL)

 MA1635.1 (BHLHE22(var.2))

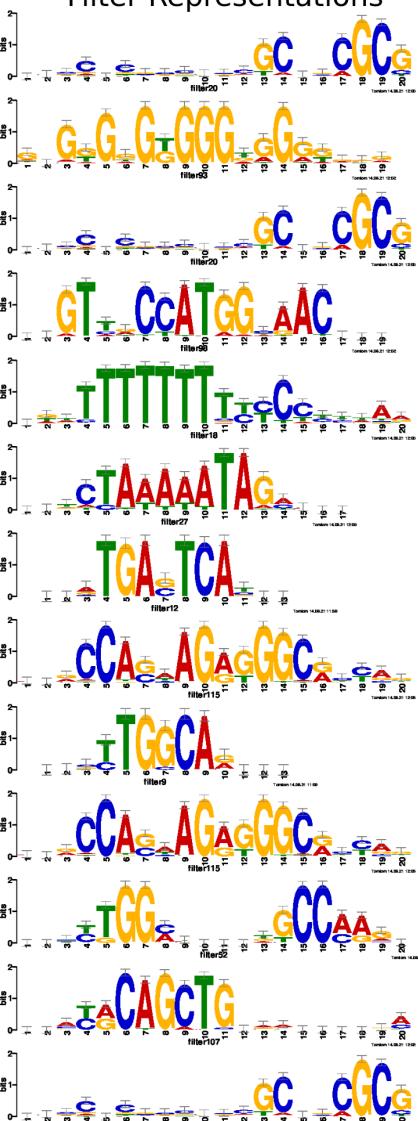
 MA1134.1 (FOS::JUNB), MA1144.1 (FOSL2::JUND)
 MA1135.1 (FOSB::JUNB), MA1138.1 (FOSL2::JUNB)
 MA1130.1 (FOSL2::JUN), MA0099.3 (FOS::JUN)
 MA0655.1 (JDP2), MA1128.1 (FOSL1::JUN)
 MA1142.1 (FOSL1::JUND), MA0478.1 (FOSL2)

PVALB

TF-Modisco Clusters



Filter Representations



TomTom Motif Matches

MA0162.2 (EGR1), MA1513.1 (KLF15)
 MA0469.1 (E2F3), MA1584.1 (ZIC5)
 MA1653.1 (ZNF148), MA0516.1 (SP2)
 MA0079.2 (SP1), MA0697.1 (ZIC3)
 MA1650.1 (ZBTB14), MA0162.4 (EGR1)
 MA0073.1 (RREB1), MA0528.1 (ZNF263)
 MA1627.1 (Wt1), MA0753.1 (ZNF740)
 MA0472.1 (EGR2), MA0068.1 (Pax4)
 MA0039.4 (KLF4), MA1514.1 (KLF17)
 MA1107.2 (KLF9), MA0753.2 (ZNF740)
 MA0162.2 (EGR1), MA1513.1 (KLF15)
 MA0469.1 (E2F3), MA1584.1 (ZIC5)
 MA1653.1 (ZNF148), MA0516.1 (SP2)
 MA0079.2 (SP1), MA0697.1 (ZIC3)
 MA1650.1 (ZBTB14), MA0162.4 (EGR1)
 MA0509.1 (Rfx1), MA0600.1 (RFX2)
 MA0798.1 (RFX3), MA0510.2 (RFX5)
 MA0798.2 (RFX3), MA0509.2 (RFX1)
 MA0600.2 (RFX2), MA0799.1 (RFX4)
 MA0510.1 (RFX5), MA1528.1 (NFIX(var.2))
 MA1125.1 (ZNF384)

MA0052.4 (MEF2A), MA0052.2 (MEF2A)
 MA0497.1 (MEF2C), MA0052.3 (MEF2A)
 MA0773.1 (MEF2D)
 MA0660.1 (MEF2B)
 MA0052.1 (MEF2A)
 MA1134.1 (FOS::JUNB), MA1144.1 (FOSL2::JUND)
 MA1135.1 (FOSB::JUNB), MA1138.1 (FOSL2::JUND)
 MA1130.1 (FOSL2::JUN), MA0099.3 (FOS::JUN)
 MA0655.1 (JDP2), MA1128.1 (FOSL1::JUN)
 MA1142.1 (FOSL1::JUND), MA0478.1 (FOSL2)

MA0139.1 (CTCF)
 MA1102.1 (CTCFL)
 MA1102.2 (CTCFL)

MA0161.1 (NFIC)
 MA0758.1 (E2F7)
 MA0510.1 (RFX5)
 MA0161.2 (NFIC)

MA0139.1 (CTCF)
 MA1102.1 (CTCFL)
 MA1102.2 (CTCFL)

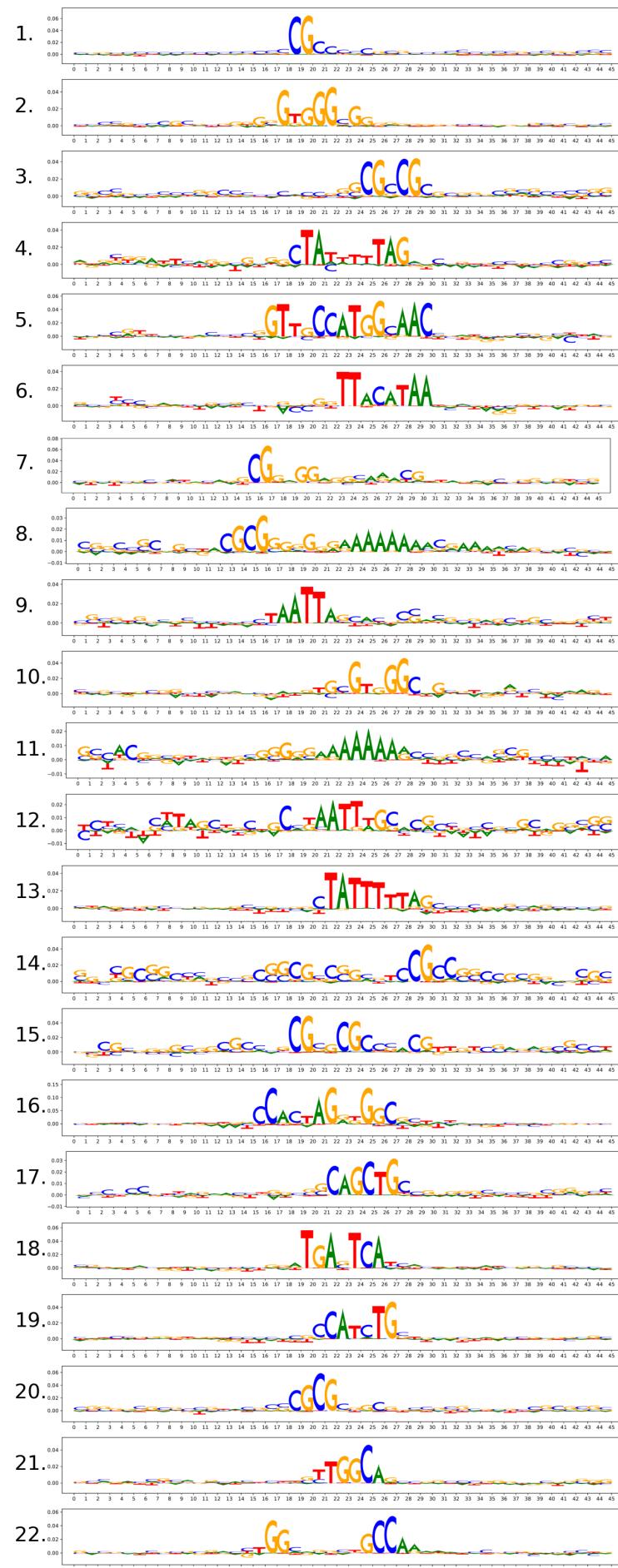
MA0119.1 (NFIC::TLX1)
 MA1643.1 (NFIB)
 MA1528.1 (NFIX(var.2))
 MA0161.1 (NFIC)

MA1635.1 (BHLHE22(var.2))

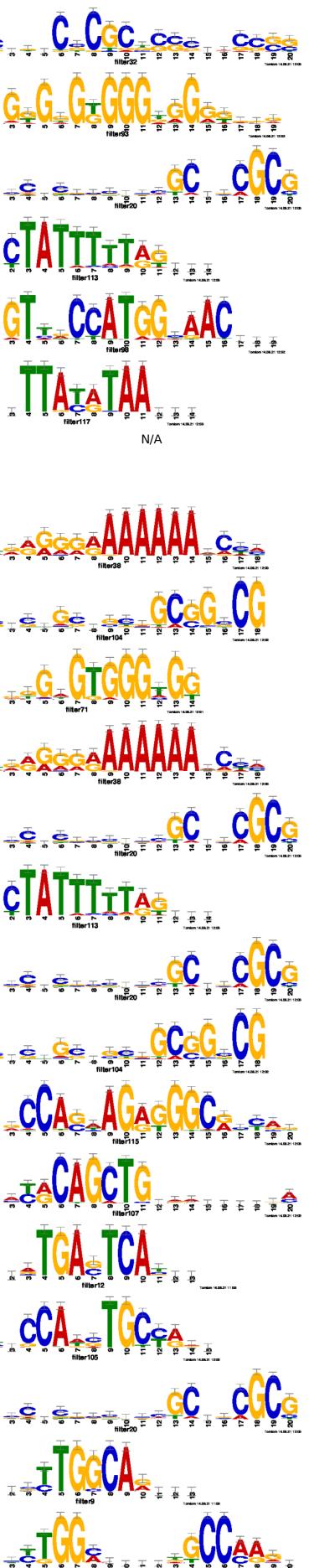
MA0162.2 (EGR1), MA1513.1 (KLF15)
 MA0469.1 (E2F3), MA1584.1 (ZIC5)
 MA1653.1 (ZNF148), MA0516.1 (SP2)
 MA0079.2 (SP1), MA0697.1 (ZIC3)
 MA1650.1 (ZBTB14), MA0162.4 (EGR1)

SST

TF-Modisco Clusters



Filter Representations



TomTom Motif Matches

MA1513.1 (KLF15), MA0516.1 (SP2)
MA0471.2 (E2F6), MA0079.3 (SP1)
MA0470.1 (E2F4), MA1122.1 (TFDP1)
MA1653.1 (ZNF148), MA0162.2 (EGR1)
MA0079.2 (SP1), MA0024.2 (E2F1)
MA0073.1 (RREB1), MA0528.1 (ZNF263)
MA1627.1 (W1), MA0753.1 (ZNF740)
MA0472.1 (EGR2), MA0068.1 (Pax4)
MA0039.4 (KLF4), MA1514.1 (KLF17)
MA1107.2 (KLF9), MA0753.2 (ZNF740)
MA0162.2 (EGR1), MA1513.1 (KLF15)
MA0469.1 (E2F3), MA1584.1 (ZIC5)
MA1653.1 (ZNF148), MA0516.1 (SP2)
MA0079.2 (SP1), MA0697.1 (ZIC3)
MA1650.1 (7RTB14), MA0162.4 (EGR1)
MA0497.1 (MEF2C), MA0052.4 (MEF2A)
MA0052.3 (MEF2A), MA0052.2 (MEF2A)
MA0773.1 (MEF2D)
MA0052.1 (MEF2A)
MA0660.1 (MEF2B)
MA0509.1 (RFX1), MA0600.1 (RFX2)
MA0798.1 (RFX3), MA0510.2 (RFX5)
MA0798.2 (RFX3), MA0509.2 (RFX1)
MA0600.2 (RFX2), MA0799.1 (RFX4)
MA0510.1 (RFX5), MA1528.1 (NFI(X)var.2))
MA0025.2 (NFI(L3)), MA0043.3 (HLF)
MA0639.1 (DBP), MA0043.2 (HLF)
MA0843.1 (TEF), MA0102.4 (CEBP(A))
MA0025.1 (NFI(L3)), MA0836.2 (CEBP(D))
MA1636.1 (CEBPG(var.2)), MA0833.2 (ATF4)

MA0851.1 (Foxj3)

MA1100_1 (ASCL1), MA0131_2 (HINFP)
 MA0830_2 (TCF4), MA0146_1 (Zfx)
 MA0146_2 (Zfx)
 MA1529_1 (NLNHLC2)
 MA1628_1 (γ 1c1 γ ; Zic2)
 MA0472_1 (EGR2), MA0073_1 (RREB1)
 MA0746_1 (SP3), MA1107_2 (KLF9)
 MA1511_1 (KLF10), MA1107_1 (KLF9)
 MA1512_1 (KLF11), MA0162_4 (EGR1)
 MA1677_1 (WIF1), MA0741_1 (KLF16)
 MA0851_1 (FoxJ3)

MA0162.2 (EGR1), MA1513.1 (KLF15)
MA0469.1 (E2F3), MA1584.1 (ZIC5)
MA1653.1 (ZNF148), MA0516.1 (SP2)
MA0079.2 (SP1), MA0697.1 (ZIC3)
MA1650.1 (7RBT14), MA0162.4 (EGR1)
MA0497.1 (MEF2C), MA0052.4 (MEF2A)
MA0052.3 (MEF2A), MA0052.2 (MEF2A)
MA0773.1 (MEF2D)
MA0052.1 (MEF2A)
MA0660.1 (MEF2B)

MA0162.2 (EGR1), MA1513.1 (KLF15)
MA0469.1 (E2F3), MA1584.1 (ZIC5)
MA1653.1 (ZNF148), MA0516.1 (SP2)
MA0079.2 (SP1), MA0697.1 (ZC3)
MA1650.1 (ZBTB14), MA0162.4 (EGR1)
MA1100.1 (ASCL1), MA0131.2 (HINFP)
MA0830.2 (TCF4), MA0146.1 (Zfx)
MA0146.2 (Zfx)
MA1529.1 (NHHL2)
MA1678.1 ($\gamma^{+}i^{-};\bar{Z}c^{-}2$)
MA0139.1 (CTCF)
MA1102.1 (CTCFL)
MA1102.2 (CTCFL)

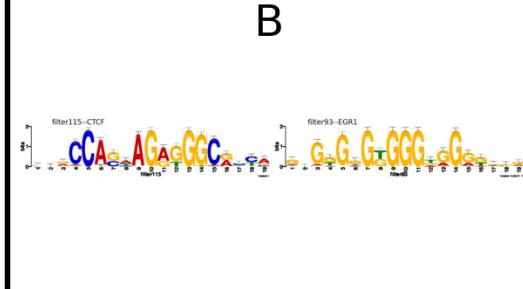
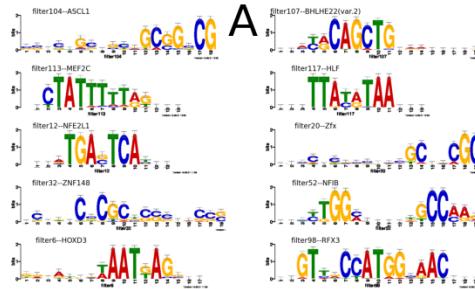
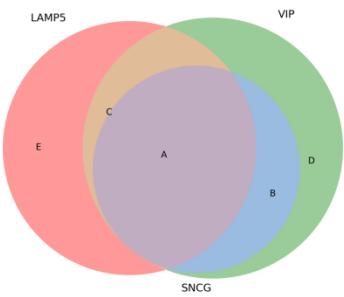
MA1635.1 (BHLHE22(var.2))

MA1134.1 (FOS::JUNB), MA1144.1 (FOSL2::JUND)
MA1135.1 (FOSB::JUNB), MA1138.1 (FOSL2::JUNB)
MA1130.1 (FOSL2::JUN), MA0099.3 (FOS::JUN)
MA0655.1 (JDPP), MA1128.1 (FOSL1::JUN)
MA1142.1 (FOSL1::JUND), MA0478.1 (FOSL2)

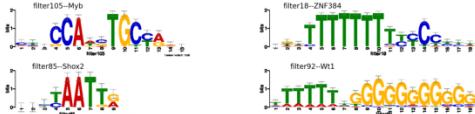
MA0100.3 (MYB)
MA0100.2 (Myb)

MA0162.2 (EGR1), MA1513.1 (KLF15)
MA0469.1 (EF3), MA1584.1 (ZIC5)
MA1653.1 (ZNF148), MA0516.1 (SP2)
MA0079.2 (SP1), MA0697.1 (ZIC3)
MA1650.1 (ZBTB14), MA0162.4 (EGR1)
MA0161.1 (NFIC)
MA0758.1 (EZFT)
MA0510.1 (RXFX5)
MA0161.2 (NFIC)

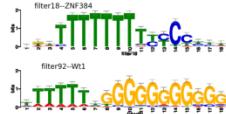
MA0119.1 (NFIC::TLX1)
MA1643.1 (NFIB)
MA1528.1 (NFIG(var.2))
MA0161.1 (NFIC)



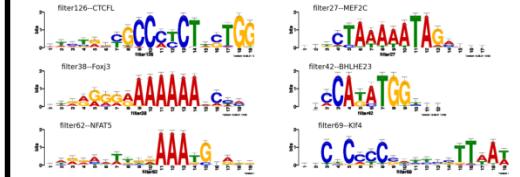
C

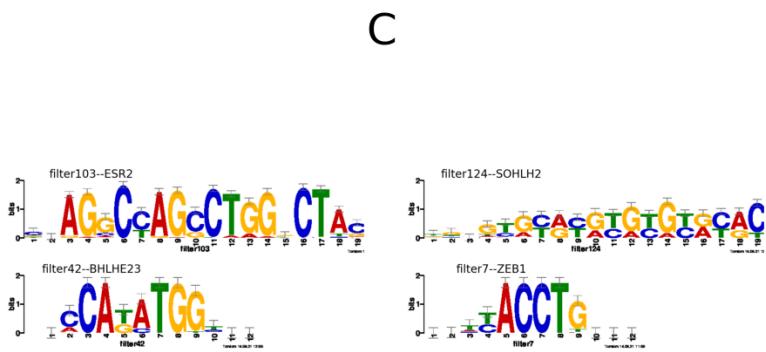
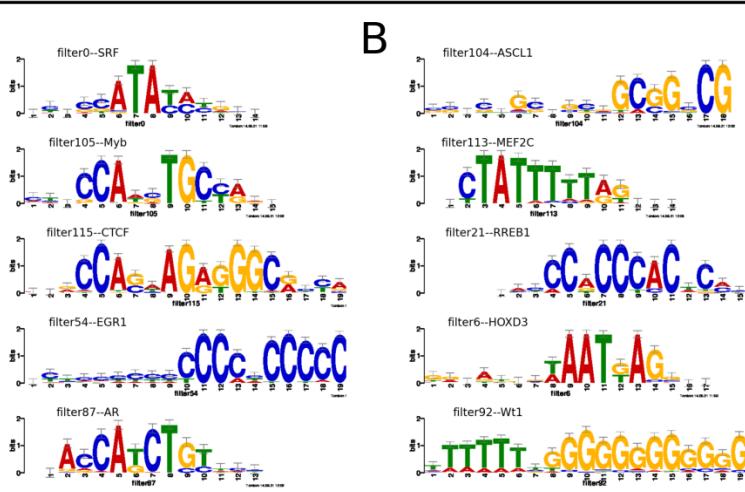
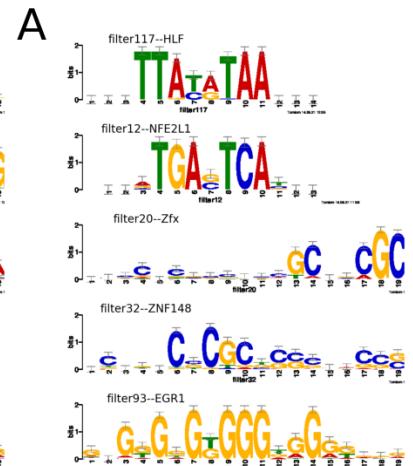
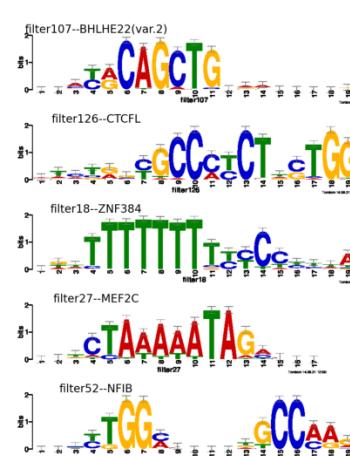
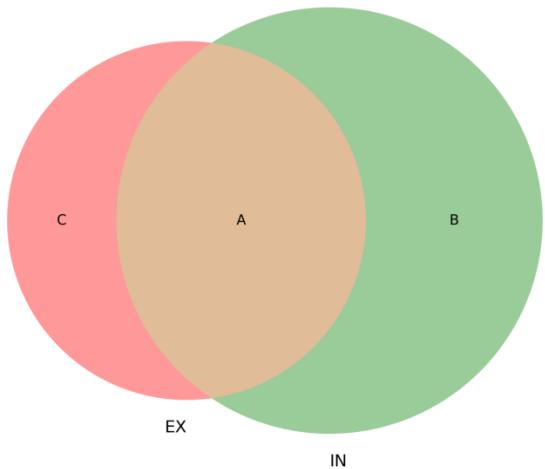


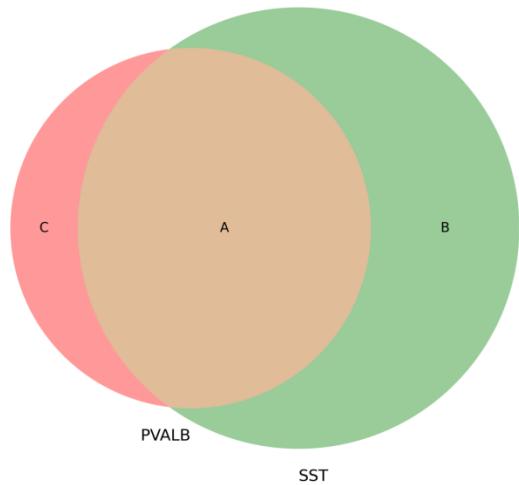
D



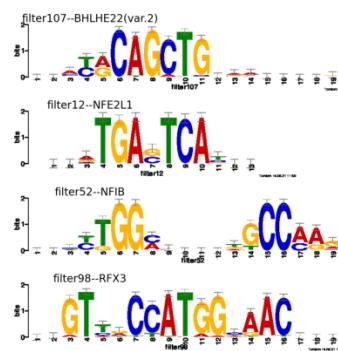
E



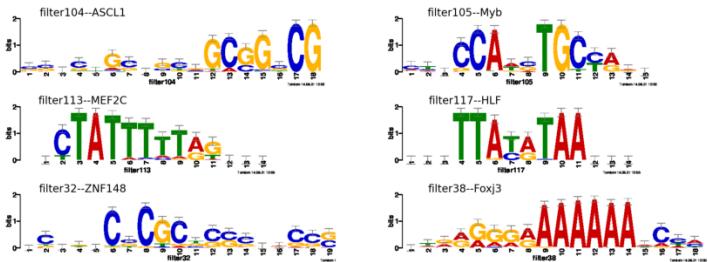




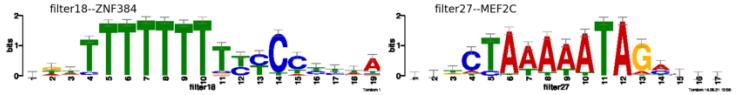
A



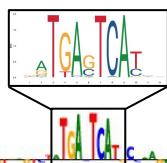
B



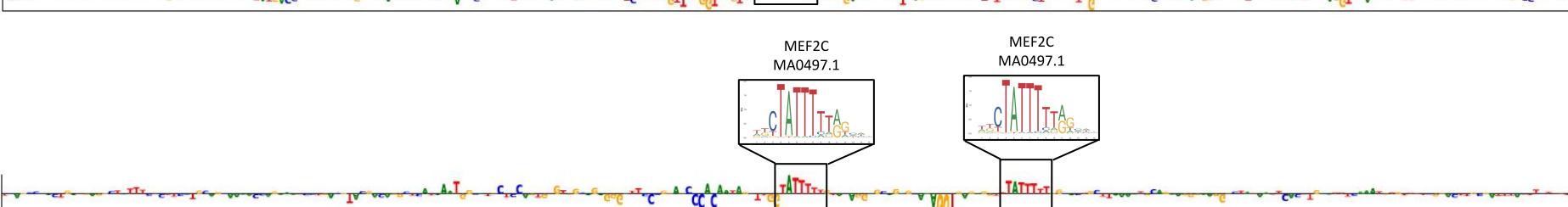
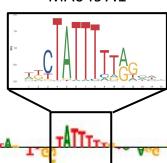
C



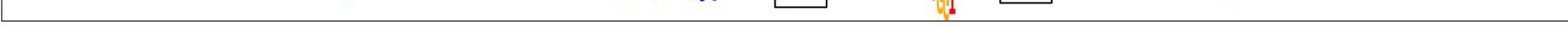
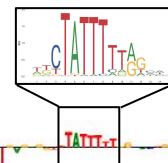
FOS::JUNB
MA1134.1



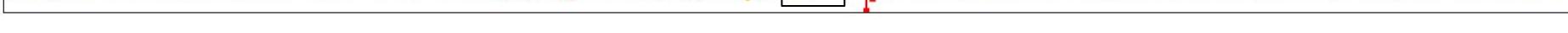
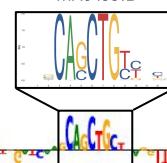
MEF2C
MA0497.1



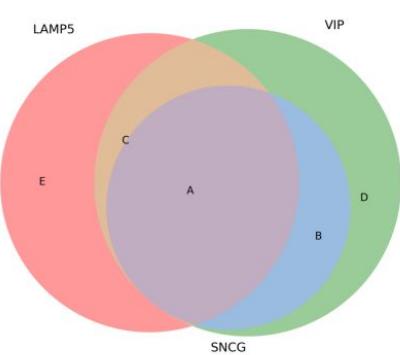
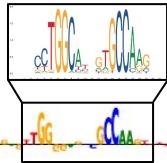
MEF2C
MA0497.1



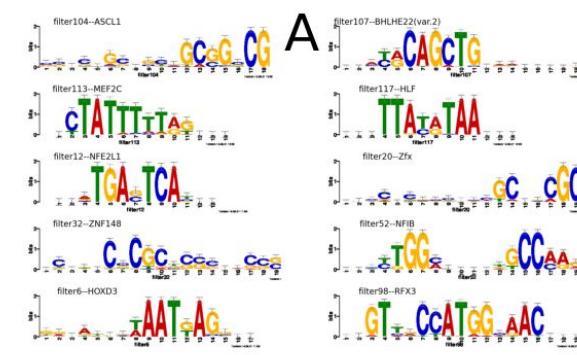
Myod1
MA0499.1



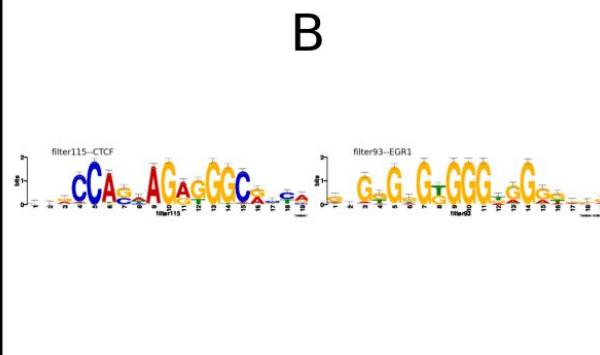
NFIB
MA1643.1



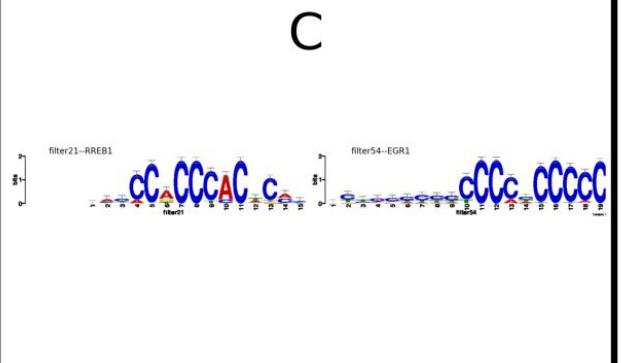
A



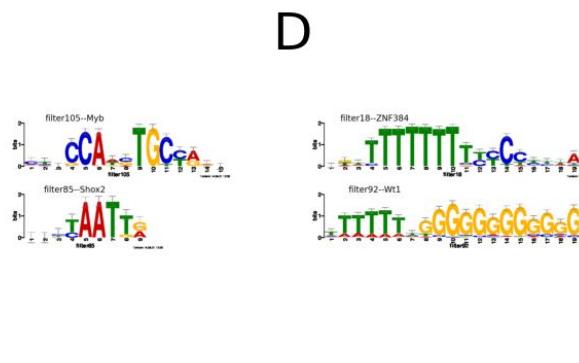
B



C



D



E

