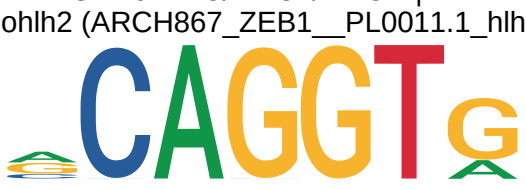
cnidocyte

1: 109 peaks (6.0%)
BHMG1 |
HLH.HG1.29:MYC/MYCL/MYCN |
Sohlh2 (ARCH867_ZEB1__PL0011.1_hlh−...)

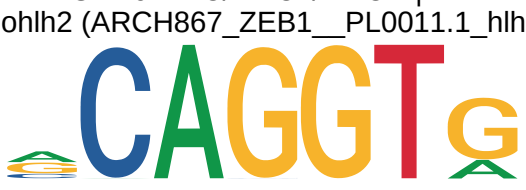


FoxL2 |
FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_.

2: 109 peaks (6.0%)
FoxL2 |
FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_...)

Zfp760/Zfp770 (ARCH1200_Zfp760/Zfp770)

3: 107 peaks (5.9%)
BHMG1 |
HLH.HG1.29:MYC/MYCL/MYCN |
Sohlh2 (ARCH867_ZEB1__PL0011.1_hlh−...)



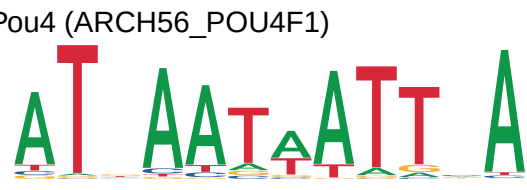
Zfp760/Zfp770 (ARCH1200_Zfp760/Zfp770)

4: 87 peaks (4.8%)
FoxL2 |
FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_...)

Pou4 (ARCH56_POU4F1)

5: 85 peaks (4.7%)
Zfp760/Zfp770 (ARCH1200_Zfp760/Zfp770)

Pou4 (ARCH56_POU4F1)



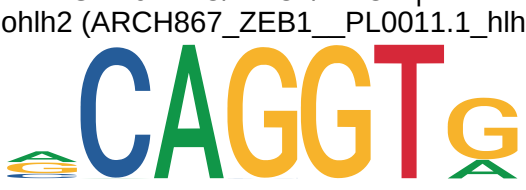
6: 83 peaks (4.5%)
Pbx4/Pbx2/Pbx1 |
Homeodomains.HG1.37:NKX6−1/NKX (ARCH121_Nfya_Pbx4/Pbx2/Pbx1)

BHMG1 |
HLH.HG1.29:MYC/MYCL/MYCN |
Sohlh2 (ARCH867_ZEB1__PL0011.1_hlh−..

7: 79 peaks (4.3%)
BHMG1 |
HLH.HG1.29:MYC/MYCL/MYCN |
Sohlh2 (ARCH867_ZEB1__PL0011.1_hlh−...)

NvSox2 |
NvSoxC (ARCH1170_/Sox4/Sox11_Sox13/..

8: 77 peaks (4.2%)
BHMG1 |
HLH.HG1.29:MYC/MYCL/MYCN |
Sohlh2 (ARCH867_ZEB1__PL0011.1_hlh−...)



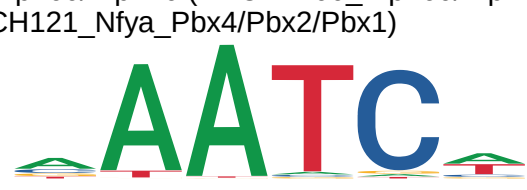
Pou4 (ARCH56_POU4F1)

9: 70 peaks (3.8%)
Pbx4/Pbx2/Pbx1 |
Homeodomains.HG1.37:NKX6−1/NKX (ARCH121_Nfya_Pbx4/Pbx2/Pbx1)

FoxL2 |
FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_.

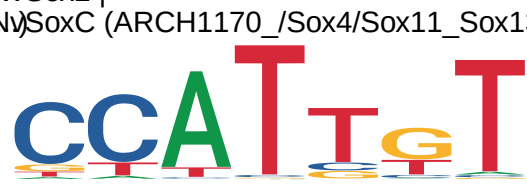
10: 65 peaks (3.6%)
Pbx4/Pbx2/Pbx1 |
Homeodomains.HG1.37:NKX6−1/NKX (ARCH121_Nfya_Pbx4/Pbx2/Pbx1)

Zfp760/Zfp770 (ARCH1200_Zfp760/Zfp770)

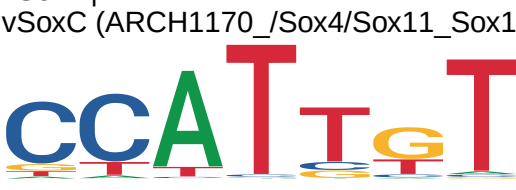


11: 65 peaks (3.6%)
FoxL2 |
FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_...)

NvSox2 |
NvSoxC (ARCH1170_/Sox4/Sox11_Sox13/..



12: 61 peaks (3.3%)
NvSox2 |
NvSoxC (ARCH1170_/Sox4/Sox11_Sox13/...)

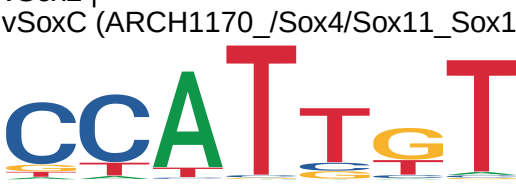


Zfp760/Zfp770 (ARCH1200_Zfp760/Zfp770)

13: 59 peaks (3.2%)
SoxB2/Sox3 (ARCH1040_PB0066.1_Sox17_1)

BHMG1 |
HLH.HG1.29:MYC/MYCL/MYCN |
Sohlh2 (ARCH867_ZEB1__PL0011.1_hlh−..

14: 59 peaks (3.2%)
NvSox2 |
NvSoxC (ARCH1170_/Sox4/Sox11_Sox13/...)



Pou4 (ARCH56_POU4F1)

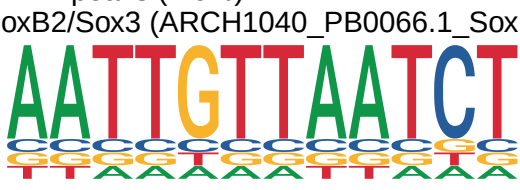
15: 52 peaks (2.8%)
FoxL2 |
FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_zf−...)

Klf13 |
zf−C2H2.HG95.1:NA |
Zfp541/Mideas (ARCH861_Scrt2/Scrt1)

16: 51 peaks (2.8%)
SoxB2/Sox3 (ARCH1040_PB0066.1_Sox17_1)

FoxL2 |
FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_.

17: 47 peaks (2.6%)
SoxB2/Sox3 (ARCH1040_PB0066.1_Sox17_1)



Zfp760/Zfp770 (ARCH1200_Zfp760/Zfp770)

18: 46 peaks (2.5%)
Klf13 |
zf−C2H2.HG95.1:NA |
Zfp541/Mideas (ARCH861_Scrt2/Scrt1)

Zfp760/Zfp770 (ARCH1200_Zfp760/Zfp770)

19: 43 peaks (2.4%)
BHMG1 |
HLH.HG1.29:MYC/MYCL/MYCN |
Sohlh2 (ARCH867_ZEB1__PL0011.1_hlh−...)

Klf13 |
zf−C2H2.HG95.1:NA |
Zfp541/Mideas (ARCH861_Scrt2/Scrt1)

20: 41 peaks (2.2%)
Pbx4/Pbx2/Pbx1 |
Homeodomains.HG1.37:NKX6−1/NKX (ARCH121_Nfya_Pbx4/Pbx2/Pbx1)

NvSox2 |
NvSoxC (ARCH1170_/Sox4/Sox11_Sox13/..

cnidocyte_gastrula

1: 671 peaks (4.6%)
Arid3c/Arid3a/Arid3b (ARCH13_Arid2_Arid3c/Arid3a/...) | FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_.

2: 626 peaks (4.3%)
NvSox2 | NvSoxC (ARCH1170_/Sox4/Sox11_Sox13/...) | FoxL2 | FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_.

3: 537 peaks (3.7%)
Pbx4/Pbx2/Pbx1 | Homeodomains.HG1.37:NKX6−1/NKX (ARCH121_Nfya_Pbx4/Pbx2/Pbx1) | FoxL2 | FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_.

4: 457 peaks (3.1%)
Arid3c/Arid3a/Arid3b (ARCH13_Arid2_Arid3c/Arid3a/...) | NvSoxC (ARCH1170_/Sox4/Sox11_Sox13/..

5: 403 peaks (2.7%)
Pbx4/Pbx2/Pbx1 | Homeodomains.HG1.37:NKX6−1/NKX (ARCH121_Nfya_Pbx4/Pbx2/Pbx1) | NvSox2 | NvSoxC (ARCH1170_/Sox4/Sox11_Sox13/..

6: 390 peaks (2.7%)
FoxL2 | FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_...) | SoxB2/Sox3 (ARCH1040_PB0066.1_Sox17_

7: 388 peaks (2.6%)
Pbx4/Pbx2/Pbx1 | Homeodomains.HG1.37:NKX6−1/NKX (ARCH121_Nfya_Pbx4/Pbx2/Pbx1) | Arid3c/Arid3a/Arid3b (ARCH13_Arid2_Arid3

8: 342 peaks (2.3%)
Pbx4/Pbx2/Pbx1 | Homeodomains.HG1.37:NKX6−1/NKX (ARCH121_Nfya_Pbx4/Pbx2/Pbx1) | Mlx (ARCH793_Mlx_Srebf2/Srebf1_Usf3)

9: 331 peaks (2.3%)
Arid3c/Arid3a/Arid3b (ARCH13_Arid2_Arid3c/Arid3a/...) | SoxB2/Sox3 (ARCH1040_PB0066.1_Sox17_

10: 311 peaks (2.1%)
Mlx (ARCH793_Mlx_Srebf2/Srebf1_Usf3) | FoxL2 | FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_.

11: 275 peaks (1.9%)
NvSox2 | NvSoxC (ARCH1170_/Sox4/Sox11_Sox13/...) | SoxB2/Sox3 (ARCH1040_PB0066.1_Sox17_

12: 270 peaks (1.8%)
Pbx4/Pbx2/Pbx1 | Homeodomains.HG1.37:NKX6−1/NKX (ARCH121_Nfya_Pbx4/Pbx2/Pbx1) | SoxB2/Sox3 (ARCH1040_PB0066.1_Sox17_

13: 243 peaks (1.7%)
Mlx (ARCH793_Mlx_Srebf2/Srebf1_Usf3) | Arid3c/Arid3a/Arid3b (ARCH13_Arid2_Arid3

14: 239 peaks (1.6%)
Mlx (ARCH793_Mlx_Srebf2/Srebf1_Usf3) | NvSox2 | NvSoxC (ARCH1170_/Sox4/Sox11_Sox13/..

15: 151 peaks (1.0%)
Mlx (ARCH793_Mlx_Srebf2/Srebf1_Usf3) | SoxB2/Sox3 (ARCH1040_PB0066.1_Sox17_

16: 98 peaks (0.7%)
Pbx4/Pbx2/Pbx1 | Homeodomains.HG1.37:NKX6−1/NKX (ARCH121_Nfya_Pbx4/Pbx2/Pbx1) | NvSox2 | NvSoxC (ARCH1170_/Sox4/Sox11_Sox13/...) | FoxL2 | FoxA/D? (ARCH1102_Foxa3/F

17: 92 peaks (0.6%)
Arid3c/Arid3a/Arid3b (ARCH13_Arid2_Arid3c/Arid3a/...) | NvSoxC (ARCH1170_/Sox4/Sox11_Sox13/..) | FoxL2 | FoxA/D? (ARCH1102_Foxa3/F

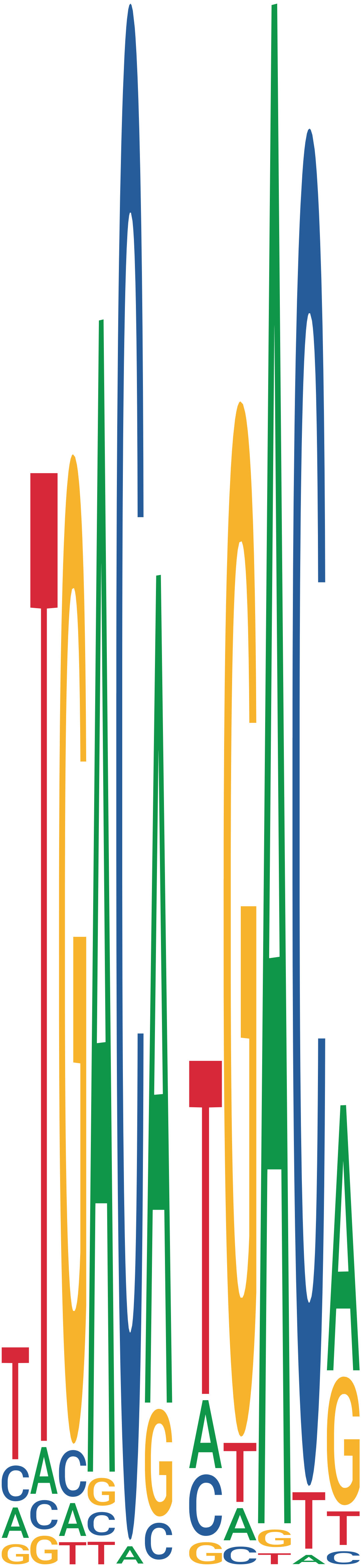
18: 87 peaks (0.6%)
Arid3c/Arid3a/Arid3b (ARCH13_Arid2_Arid3c/Arid3a/...) | FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_...) | SoxB2/Sox3 (ARCH1040_PB0

19: 82 peaks (0.6%)
Pbx4/Pbx2/Pbx1 | Homeodomains.HG1.37:NKX6−1/NKX (ARCH121_Nfya_Pbx4/Pbx2/Pbx1) | Arid3c/Arid3a/Arid3b (ARCH13_Arid2_Arid3c/Arid3a/...) | FoxA/D? (ARCH1102_Foxa3/F

20: 71 peaks (0.5%)
Pbx4/Pbx2/Pbx1 | Homeodomains.HG1.37:NKX6−1/NKX (ARCH121_Nfya_Pbx4/Pbx2/Pbx1) | Arid3c/Arid3a/Arid3b (ARCH13_Arid2_Arid3c/Arid3a/...) | NvSoxC (ARCH1170_/Sox4/S

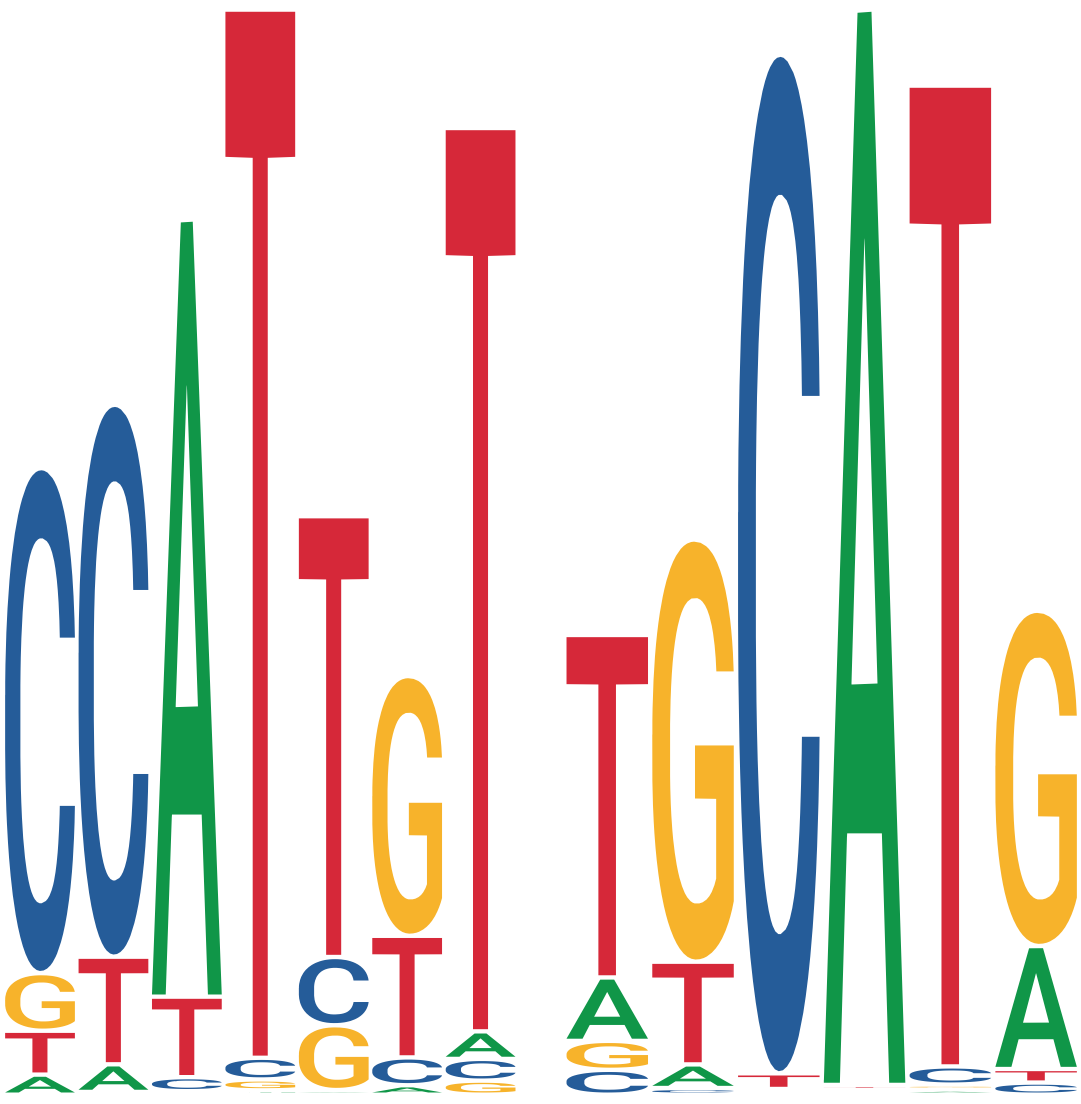
ecto_pharynx

1: 1492 peaks (9.0%)
Homeodomains.HG1.53:MNX1 | Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633
Nkx2−2/Nkx2−9 |
Hlx (ARCH1546_Meis3/Meis2/Meis1_...)

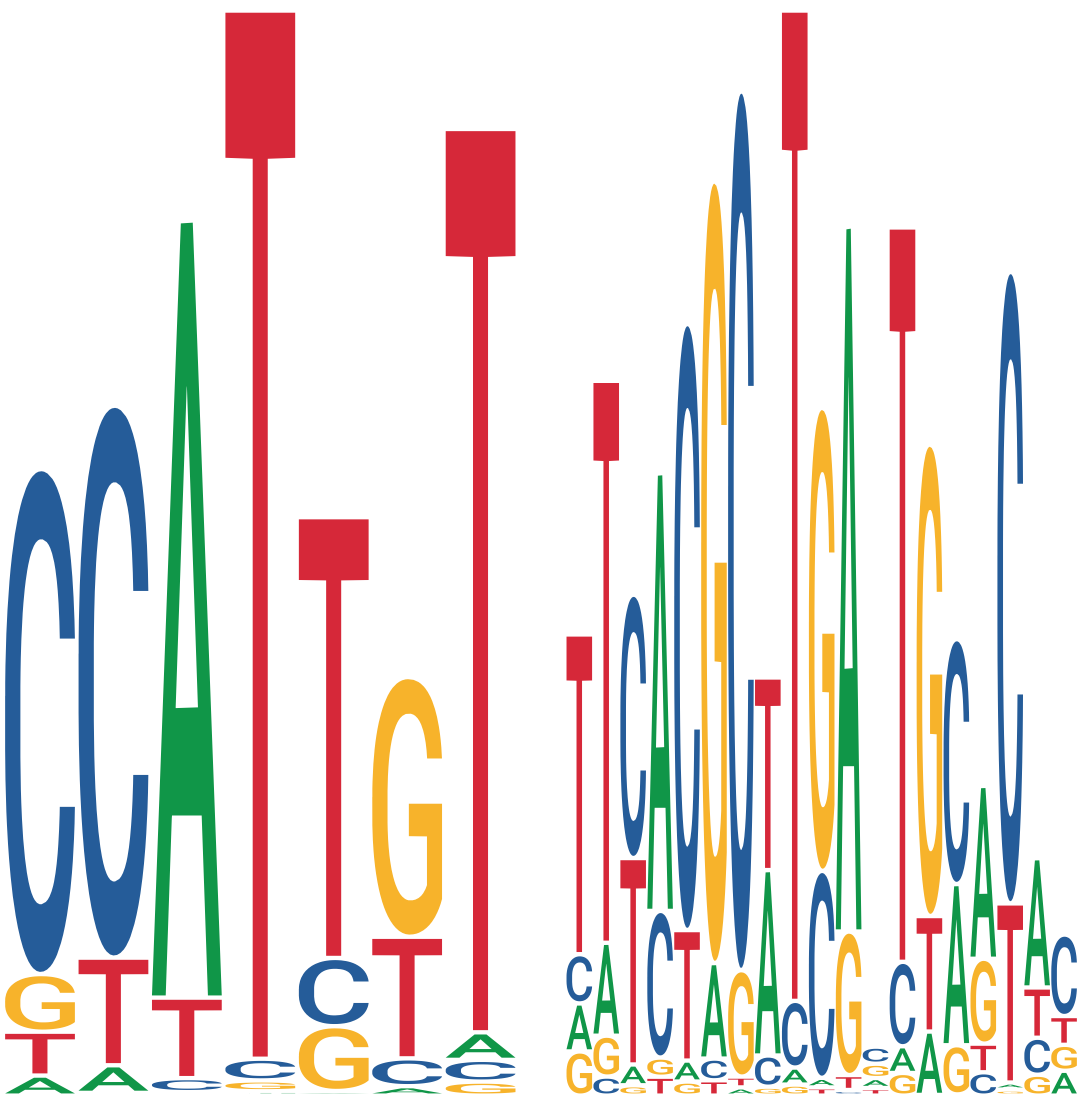


ectoderm

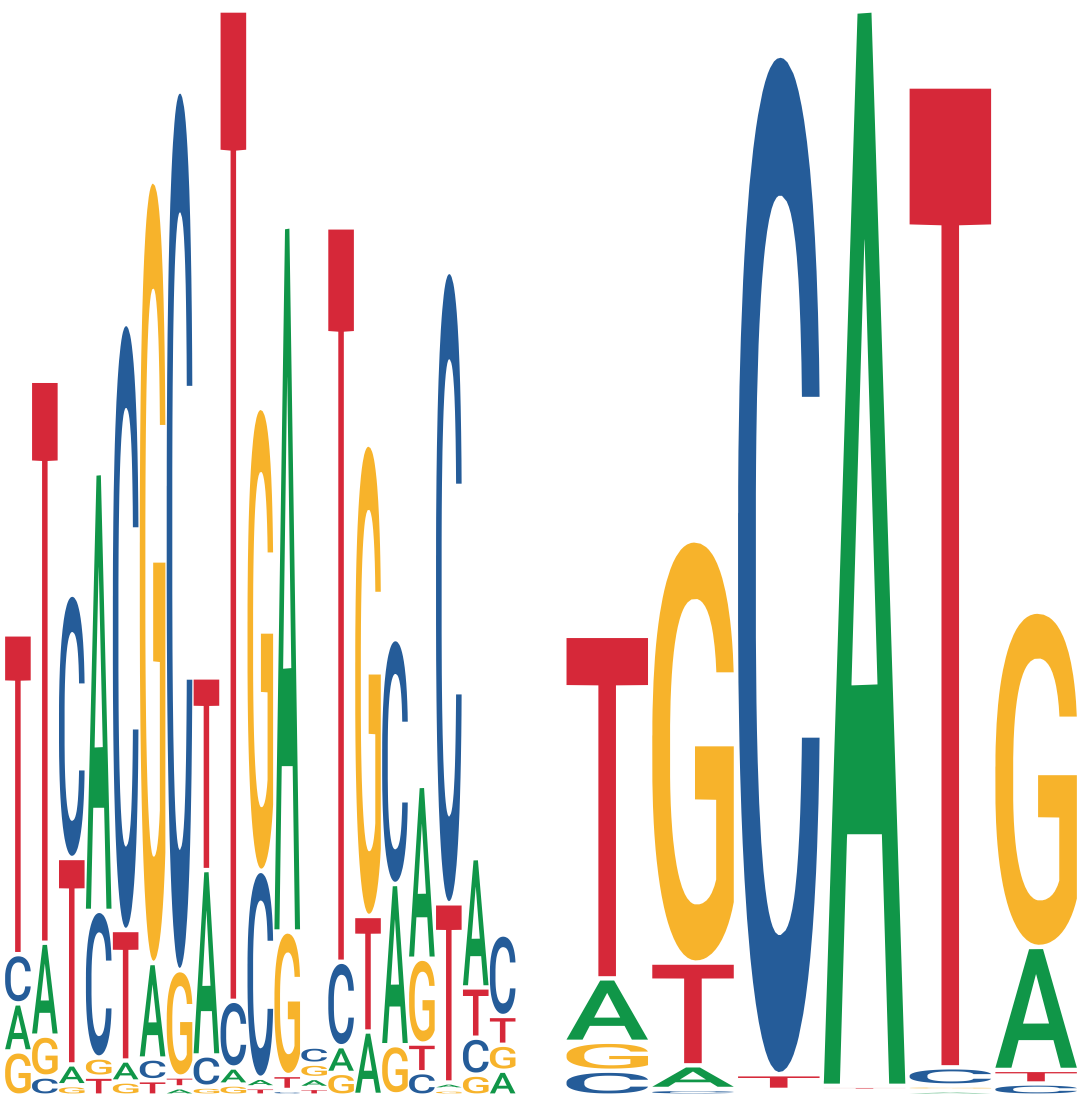
1: 396 peaks (1.8%)
NvSox2 | NvSoxC (ARCH1170_/Sox4/Sox11_Sox13/...) | Forkhead.HG1.31:like:FOXO1/FOX | FoxQ2d (ARCH1397_RBFox2__OCT:OCT−s



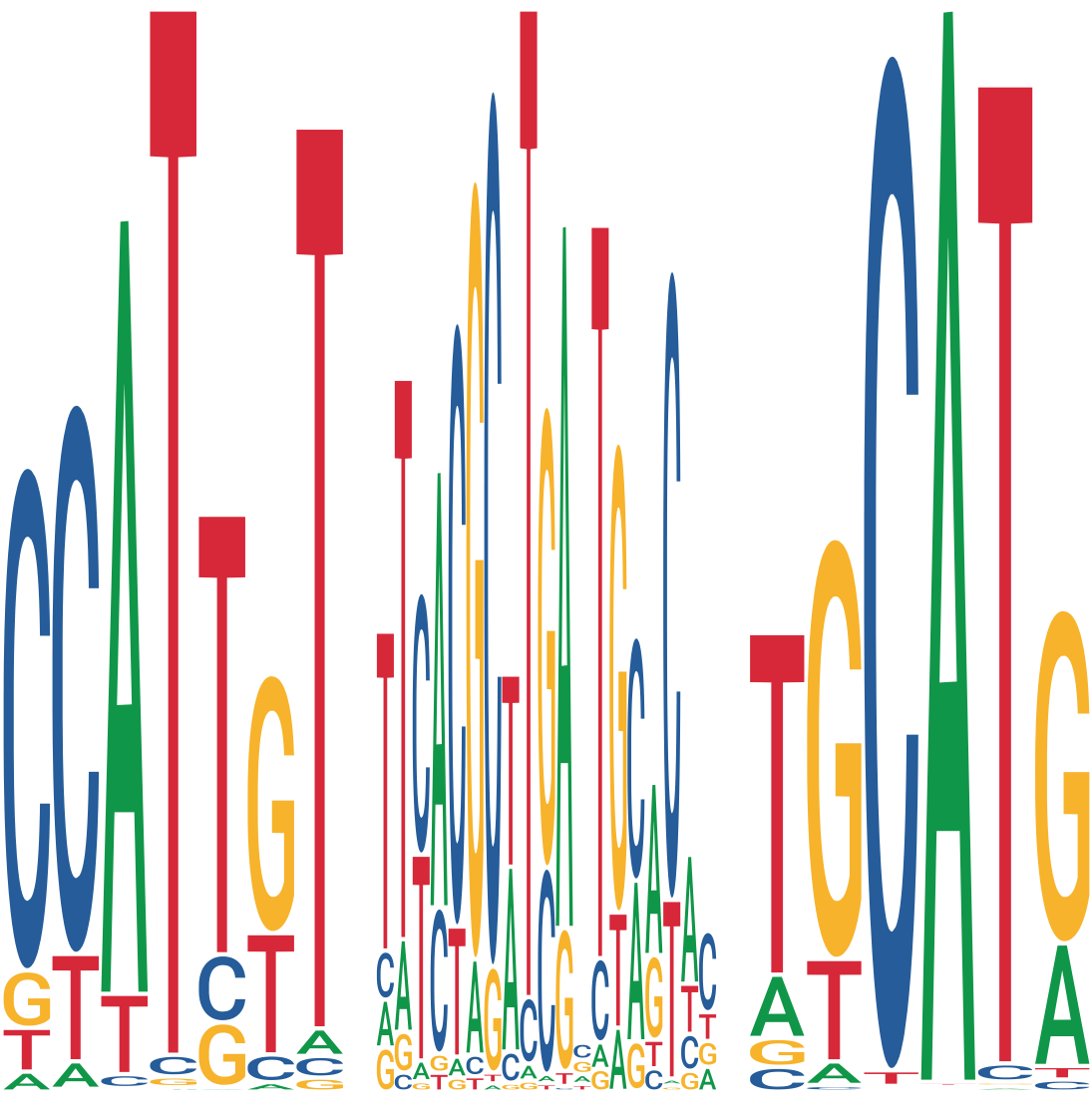
2: 323 peaks (1.5%)
NvSox2 | NvSoxC (ARCH1170_/Sox4/Sox11_Sox13/...) | Pax7/Pax3 | PAX3/7 | Pax5/Pax8/Pax2 (ARCH873_Pax5/Pax8/Pax



3: 290 peaks (1.3%)
Pax7/Pax3 | PAX3/7 | Pax5/Pax8/Pax2 (ARCH873_Pax5/Pax8/Pax2) | Forkhead.HG1.31:like:FOXO1/FOX | FoxQ2d (ARCH1397_RBFox2__OCT:OCT−s



4: 42 peaks (0.2%)
NvSox2 | NvSoxC (ARCH1170_/Sox4/Sox11_Sox13/...) | Pax7/Pax3 | PAX3/7 | Pax5/Pax8/Pax2 (ARCH873_Pax5/Pax8/Pax2) | Forkhead.HG1.31:like:FOXO1 | FoxQ2d (ARCH1397_RBFox2



ecto_aboral

1: 376 peaks (1.6%)
NvSox2 | NOTO (ARCH281_)
NvSoxC (ARCH1170_/Sox4/Sox11_Sox13/...)

2: 372 peaks (1.6%)
NvSox2 | Forkhead.HG1.31:like:FOXO1/FOX |
NvSoxC (ARCH1170_/Sox4/Sox11_Sox13/...) FoxQ2d (ARCH1397_RBFox2__OCT:OCT−s

3: 370 peaks (1.6%)
NvSox2 | Lhx8/Lhx6 (ARCH86_Alx3/Alx4/Alx1_Barx2.
NvSoxC (ARCH1170_/Sox4/Sox11_Sox13/...)

4: 282 peaks (1.2%)
Forkhead.HG1.31:like:FOXO1/FOX | NOTO (ARCH281_)
FoxQ2d (ARCH1397_RBFox2__OCT:OCT−short)

5: 274 peaks (1.2%)
Lhx8/Lhx6 (ARCH86_Alx3/Alx4/Alx1_Barx2.) NOTO (ARCH281_)

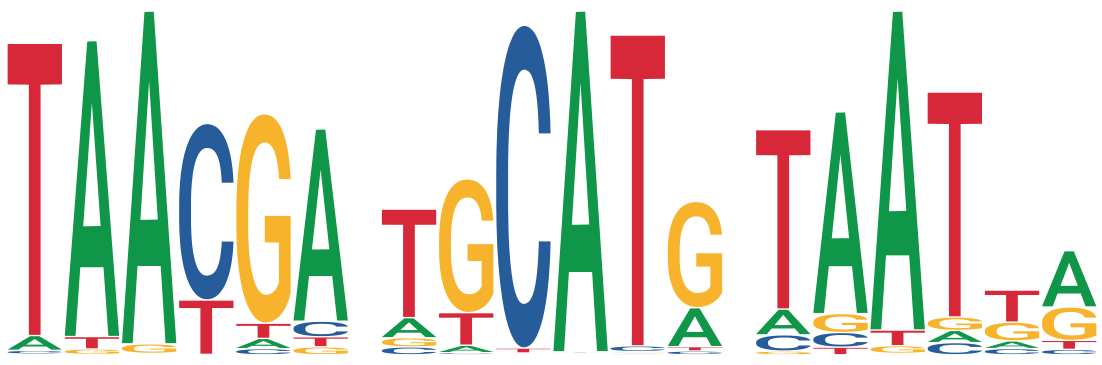
6: 256 peaks (1.1%)
Lhx8/Lhx6 (ARCH86_Alx3/Alx4/Alx1_Barx2.) Forkhead.HG1.31:like:FOXO1/FOX |
FoxQ2d (ARCH1397_RBFox2__OCT:OCT−s

7: 38 peaks (0.2%)
NvSox2 | Forkhead.HG1.31:like:FOXO1/FOX | NOTO (ARCH281_)
NvSoxC (ARCH1170_/Sox4/Sox11_Sox13/...) FoxQ2d (ARCH1397_RBFox2__OCT:OCT−short)

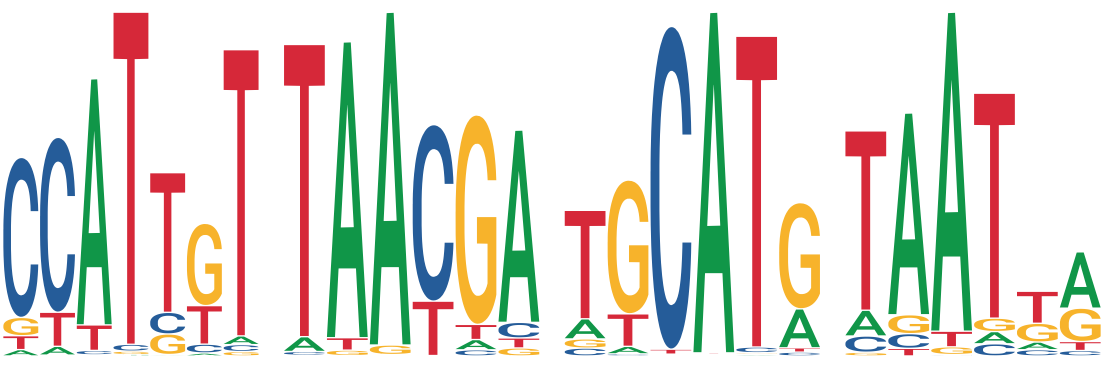
8: 32 peaks (0.1%)
NvSox2 | Lhx8/Lhx6 (ARCH86_Alx3/Alx4/Alx1_Barx2.) NOTO (ARCH281_)
NvSoxC (ARCH1170_/Sox4/Sox11_Sox13/...)

9: 30 peaks (0.1%)
NvSox2 | Lhx8/Lhx6 (ARCH86_Alx3/Alx4/Alx1_Barx2.) Forkhead.HG1.31:like:FOXO1
NvSoxC (ARCH1170_/Sox4/Sox11_Sox13/...) FoxQ2d (ARCH1397_RBFox2

10: 24 peaks (0.1%)
Lhx8/Lhx6 (ARCH86_Alx3/Alx4/Alx1_Barx2.) Forkhead.HG1.31:like:FOXO1/FOX | NOTO (ARCH281_)
FoxQ2d (ARCH1397_RBFox2__OCT:OCT−short)

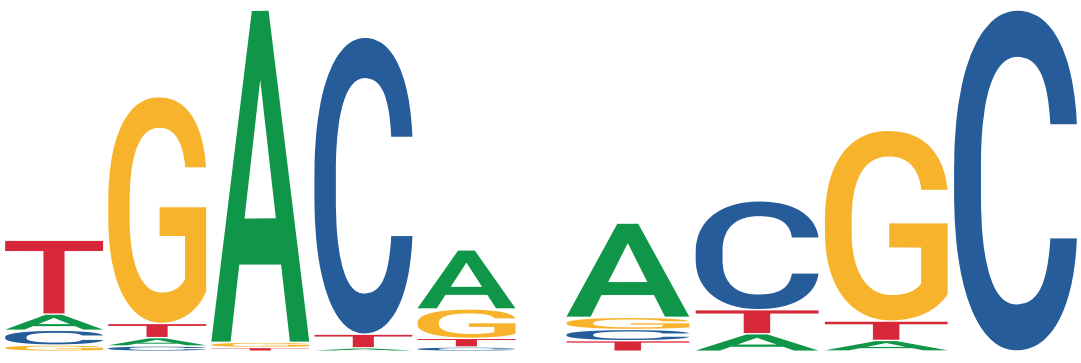


11: 2 peaks (0.0%)
NvSox2 | Lhx8/Lhx6 (ARCH86_Alx3/Alx4/Alx1_Barx2.) Forkhead.HG1.31:like:FOXO1/FOX | NOTO (ARCH281_)
NvSoxC (ARCH1170_/Sox4/Sox11_Sox13/...) FoxQ2d (ARCH1397_RBFox2__OCT:OCT−s



EMS

1: 8317 peaks (33.7%)
Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633_M02161_2.00) | Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOX (ARCH



2: 5501 peaks (22.3%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOX (ARCH1633_M02161_2.00) | Homeodomains.HG1.54:like:NOTO | VAx−EMX−Like (ARCH1552_Pbx4/Pbx2/Pbx

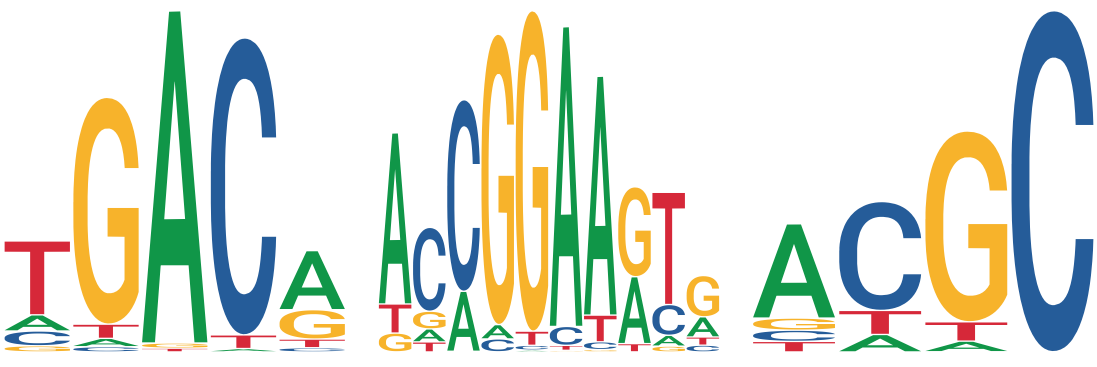
3: 3239 peaks (13.1%)
Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633_M02161_2.00) | Homeodomains.HG1.54:like:NOTO | VAx−EMX−Like (ARCH1552_Pbx4/Pbx2/Pbx

4: 2457 peaks (9.9%)
Elf3/Ehf/Elf5 | Erg/Fli1/Fev (ARCH584_Elf3/Ehf/Elf5_Erg/F.) | Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOX (ARCH

5: 2321 peaks (9.4%)
Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633_M02161_2.00) | Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOX (ARCH1633_M02161_2.00) | Homeodomains.HG1.54:like:N VAx−EMX−Like (ARCH1552_Pbx4/Pbx2/Pbx

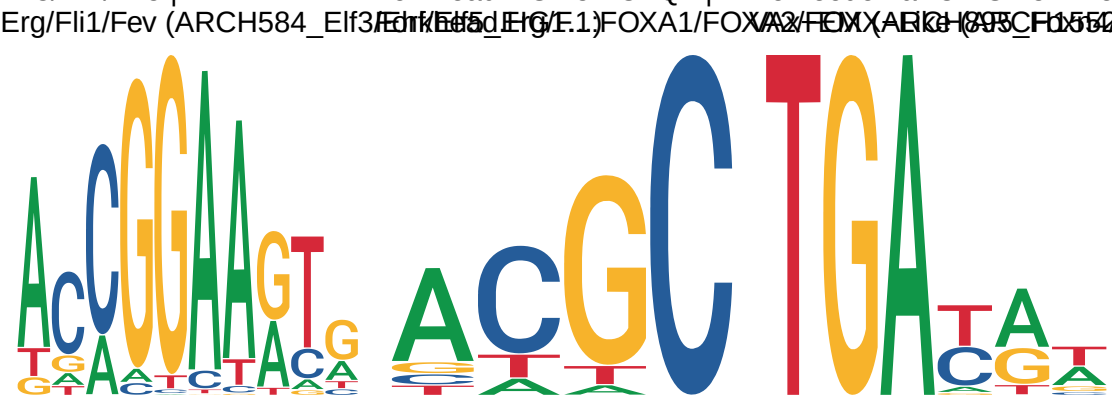
6: 1569 peaks (6.3%)
Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633_M02161_2.00) | Elf3/Ehf/Elf5 (ARCH584_Elf3/Ehf/Elf5_Erg/F.) | Erg/Fli1/Fev (ARCH584_Elf3/Ehf/Elf5_Erg/F.)

7: 1139 peaks (4.6%)
Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633_M02161_2.00) | Elf3/Ehf/Elf5 (ARCH584_Elf3/Ehf/Elf5_Erg/F.) | Erg/Fli1/Fev (ARCH584_Elf3/Ehf/Elf5_Erg/F.) | Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA



8: 1002 peaks (4.1%)
Elf3/Ehf/Elf5 | Erg/Fli1/Fev (ARCH584_Elf3/Ehf/Elf5_Erg/F.) | Homeodomains.HG1.54:like:NOTO | VAx−EMX−Like (ARCH1552_Pbx4/Pbx2/Pbx

9: 700 peaks (2.8%)
Elf3/Ehf/Elf5 | Erg/Fli1/Fev (ARCH584_Elf3/Ehf/Elf5_Erg/F.) | Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOX (ARCH1633_M02161_2.00) | Homeodomains.HG1.54:like:N VAx−EMX−Like (ARCH1552_Pbx4/Pbx2/Pbx

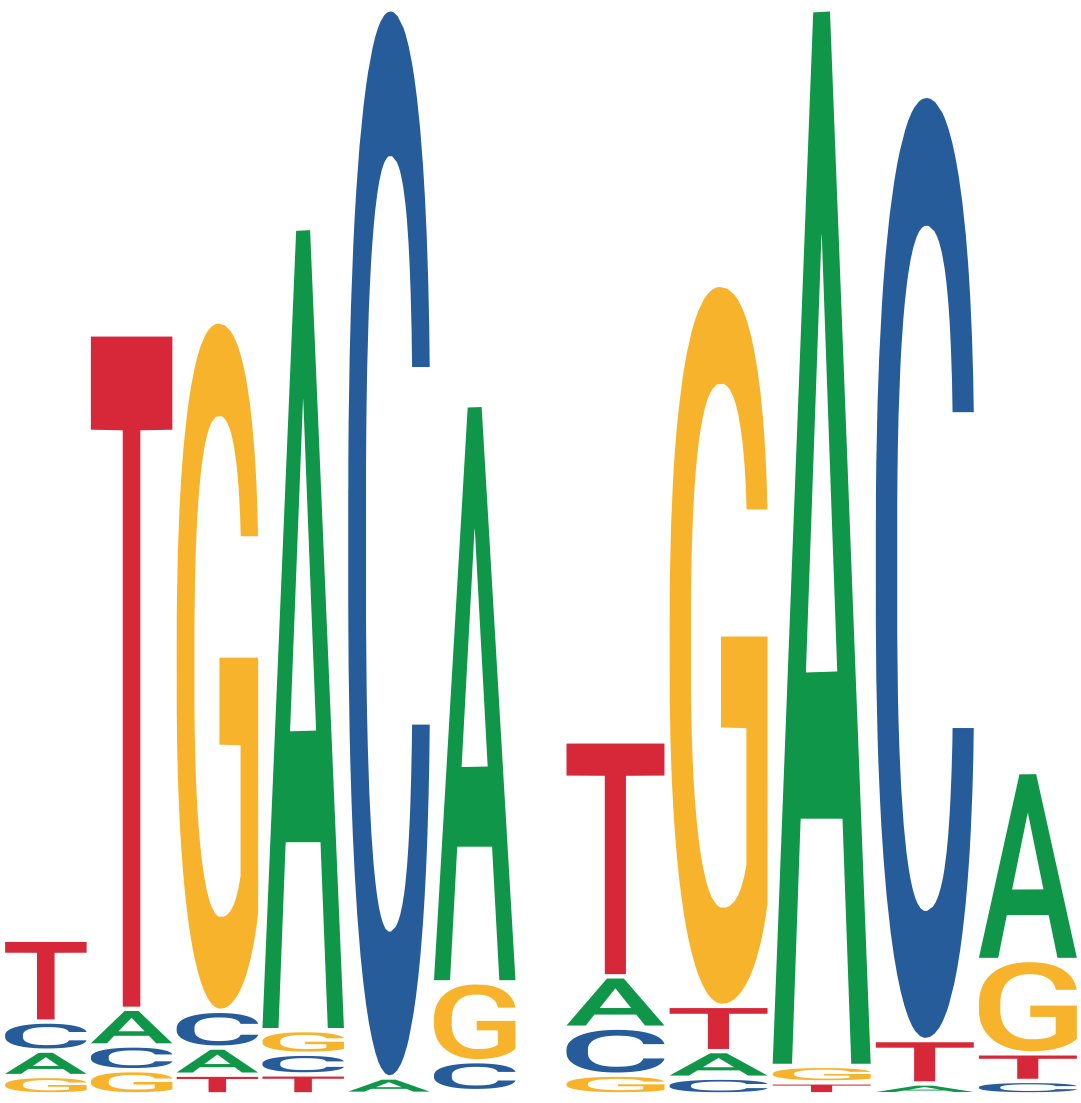


10: 479 peaks (1.9%)
Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633_M02161_2.00) | Elf3/Ehf/Elf5 (ARCH584_Elf3/Ehf/Elf5_Erg/F.) | Erg/Fli1/Fev (ARCH584_Elf3/Ehf/Elf5_Erg/F.) | Homeodomains.HG1.54:like:N VAx−EMX−Like (ARCH1552_P

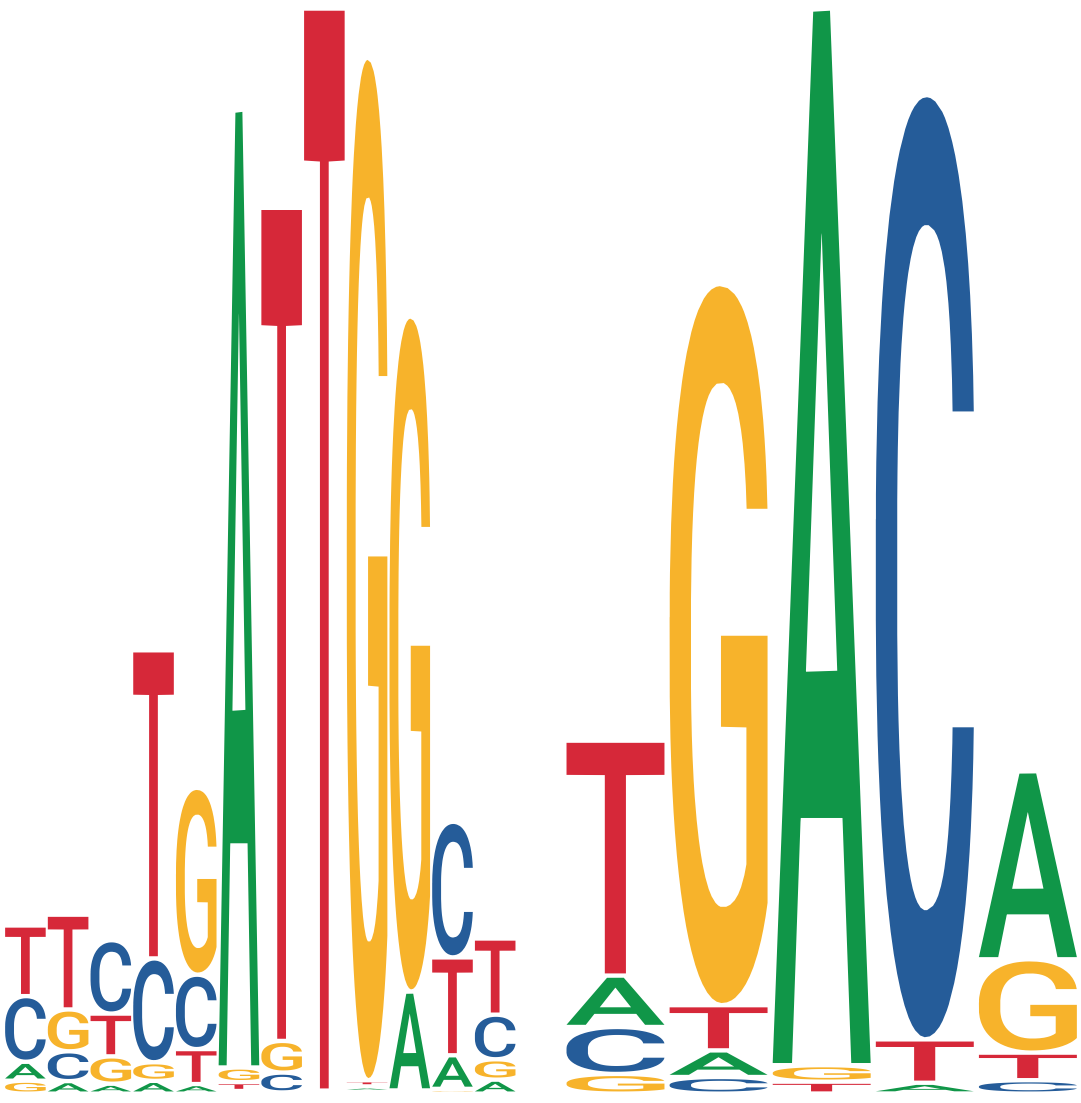
11: 322 peaks (1.3%)
Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633_M02161_2.00) | Elf3/Ehf/Elf5 (ARCH584_Elf3/Ehf/Elf5_Erg/F.) | Erg/Fli1/Fev (ARCH584_Elf3/Ehf/Elf5_Erg/F.) | Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOX (ARCH1511_Foxa1/Foxa2/Foxa (ARCH

EMS_ecto_boundary

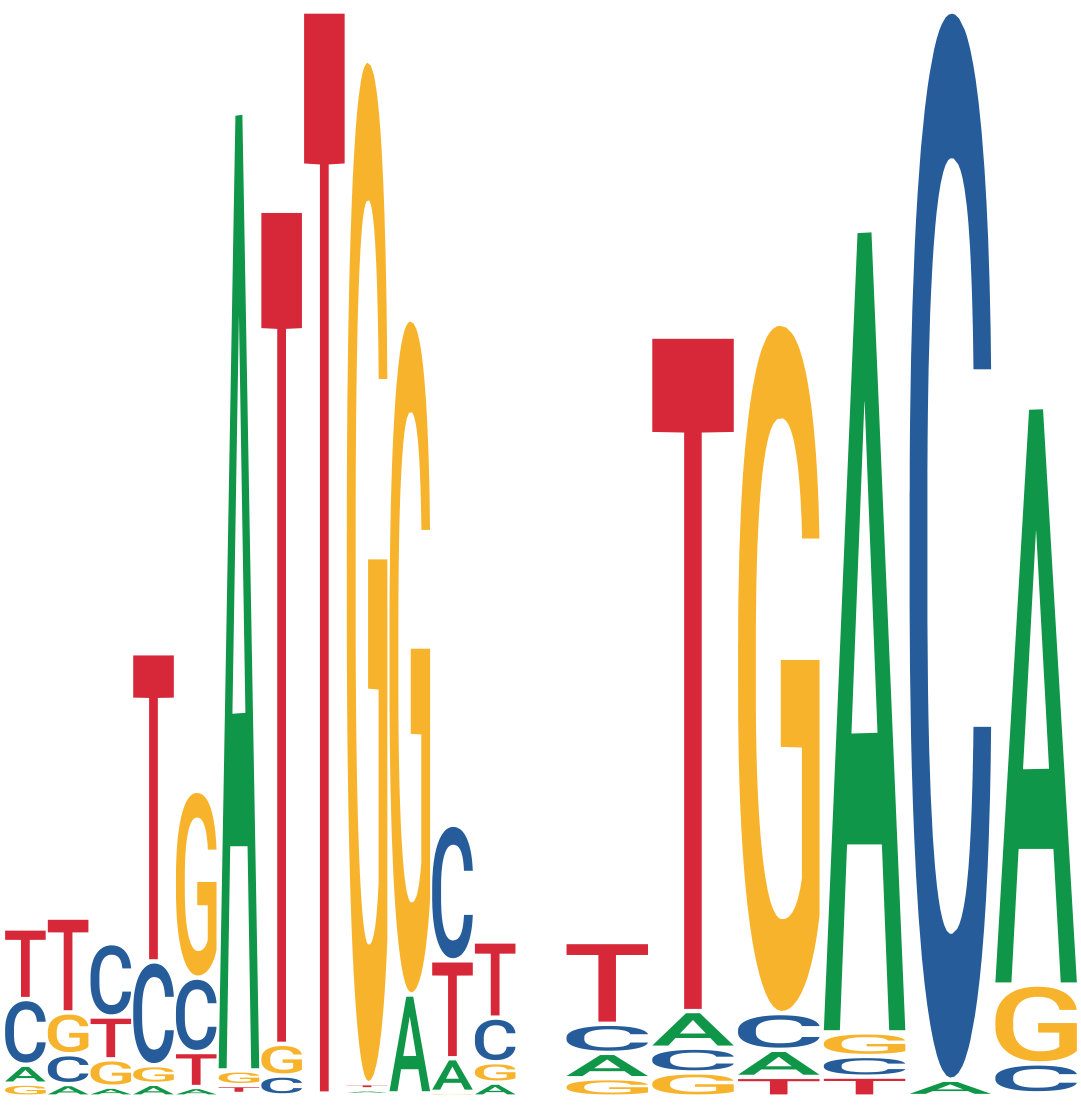
1: 807 peaks (6.9%)
Homeodomains.HG1.53:MNX1 | Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633
Nkx2−2/Nkx2−9 |
Hlx (ARCH1546_Meis3/Meis2/Meis1_...)



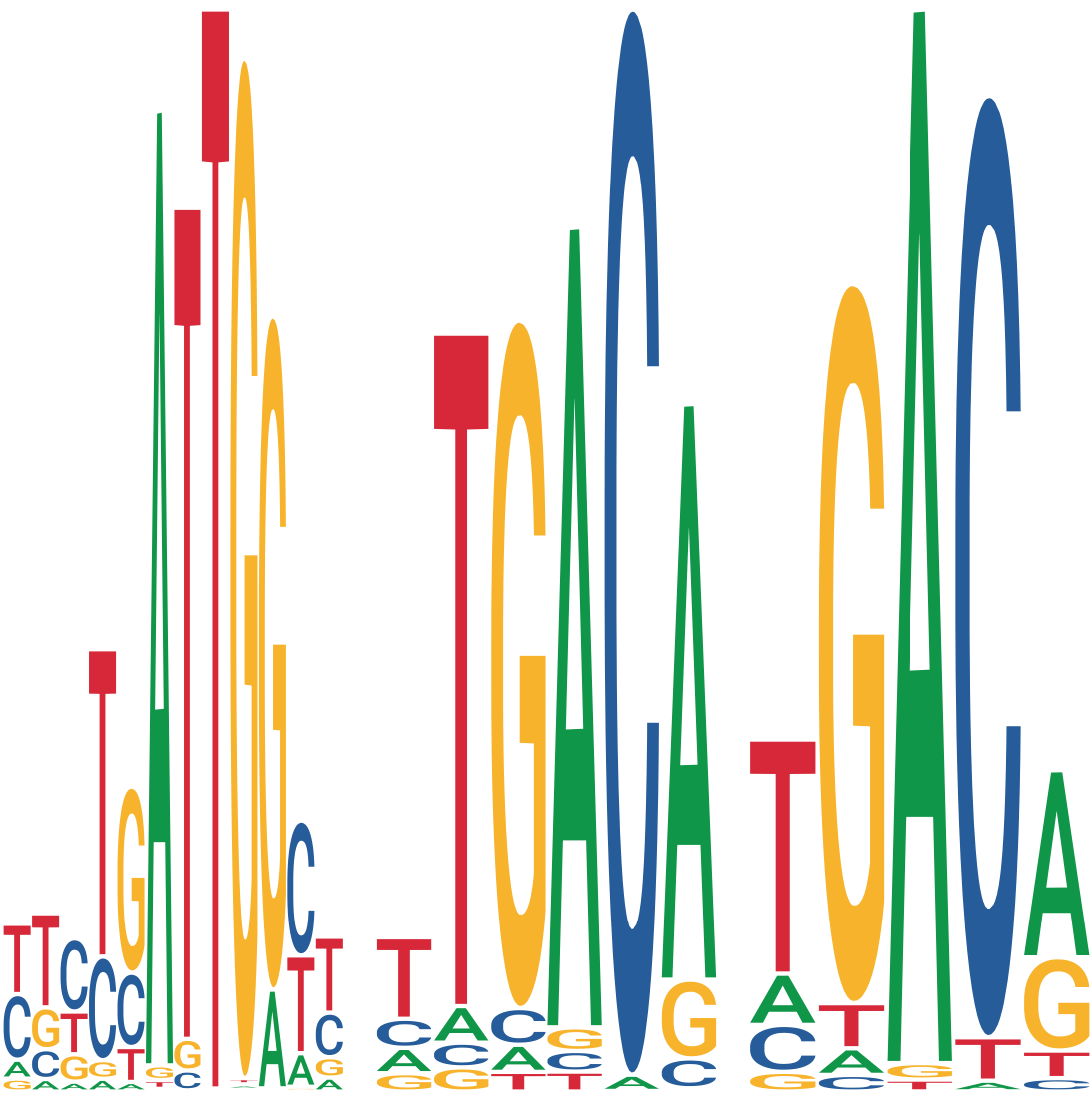
2: 777 peaks (6.7%)
Pbx4/Pbx2/Pbx1 | Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633
Homeodomains.HG1.37:NKX6−1/NKX (ARCH121_Nfya_Pbx4/Pbx2/Pbx1)



3: 392 peaks (3.4%)
Pbx4/Pbx2/Pbx1 | Homeodomains.HG1.53:MNX1 |
Homeodomains.HG1.37:NKX6−1/NKX (ARCH121_Nfya_Pbx4/Pbx2/Pbx1) Nkx2−2/Nkx2−9 |
Hlx (ARCH1546_Meis3/Meis2/Meis1_...)

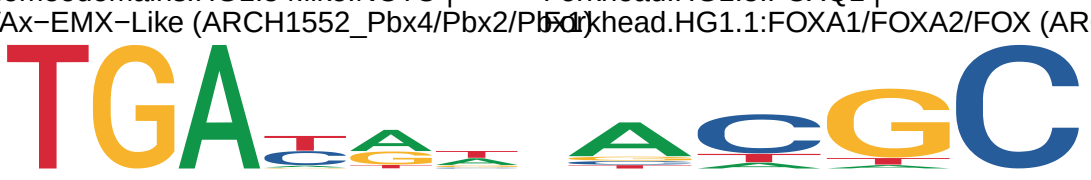


4: 146 peaks (1.3%)
Pbx4/Pbx2/Pbx1 | Homeodomains.HG1.53:MNX1 | Gsc2/Gsc//Obox1/Obox7/Obo
Homeodomains.HG1.37:NKX6−1/NKX (ARCH121_Nfya_Pbx4/Pbx2/Pbx1)
Hlx (ARCH1546_Meis3/Meis2/Meis1_...)



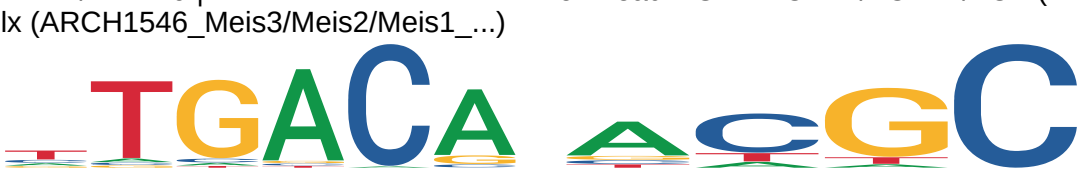
gastro_circular_muscle_1

1: 496 peaks (24.1%)
Homeodomains.HG1.54:like:NOTO | VAx−EMX−Like (ARCH1552_Pbx4/Pbx2/Pbx1)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOX (ARCH



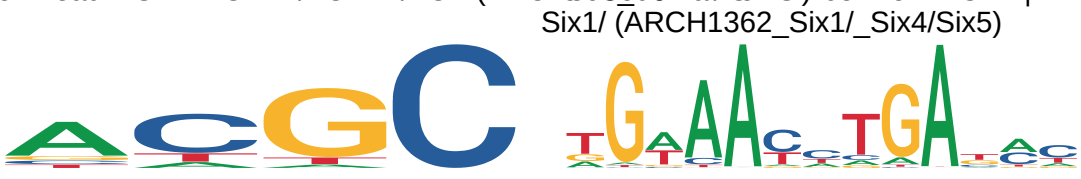
2: 241 peaks (11.7%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOX (ARCH895_Foxn4/Foxn1)
Tbx1/10−2 | Tbx20 (ARCH862_Tbx18/Tbx22/Tbx15_T...)

3: 237 peaks (11.5%)
Homeodomains.HG1.53:MNX1 | Nkx2−2/Nkx2−9 | Hlx (ARCH1546_Meis3/Meis2/Meis1_...)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOX (ARCH



4: 203 peaks (9.9%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOX (ARCH895_Foxn4/Foxn1)
Six4/Six5 | Homeodomains.HG2.6:like:AC0252 | Homeodomains.HG1.5:like:AC0040 (ARCH2

5: 196 peaks (9.5%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOX (ARCH895_Foxn4/Foxn1)
Homeodomains.HG1.62:like:MEOX1 | Homeodomains.HG1.65:like:MEOX1 | Six1/ (ARCH1362_Six1/_Six4/Six5)

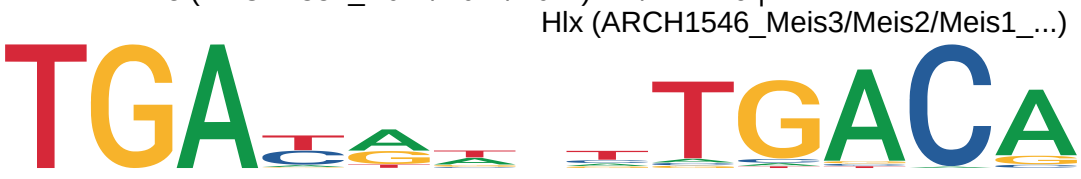


6: 191 peaks (9.3%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOX (ARCH895_Foxn4/Foxn1)
Nkx2−2/Nkx2−9 | Nkx3−2 (ARCH167_Nanog)

7: 180 peaks (8.8%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOX (ARCH895_Foxn4/Foxn1)
E2F_TDP.HG1.4:E2F1/E2F2/E2F3/E | E2F_TDP.HG1.4:E2F1/E2F2/E2F3/E | E2F_TDP.HG1.4:E2F1/E2F2/E2F3/E (ARCH

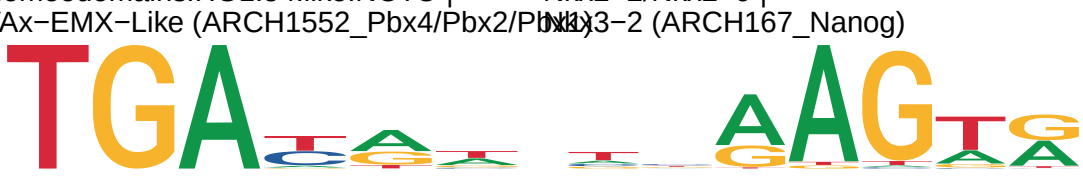
8: 177 peaks (8.6%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOX (ARCH895_Foxn4/Foxn1)
Elf3/Ehf/Elf5 | Ehf/Elf5 (ARCH584_Elf3/Ehf/Elf5_Erg/F.

9: 106 peaks (5.2%)
Homeodomains.HG1.54:like:NOTO | VAx−EMX−Like (ARCH1552_Pbx4/Pbx2/Pbx1)
Homeodomains.HG1.53:MNX1 | Nkx2−2/Nkx2−9 | Hlx (ARCH1546_Meis3/Meis2/Meis1_...)

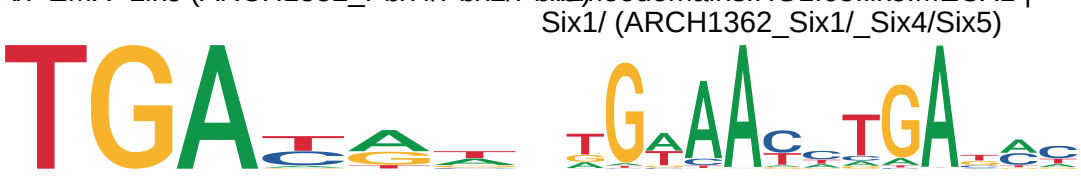


10: 100 peaks (4.9%)
Homeodomains.HG1.54:like:NOTO | VAx−EMX−Like (ARCH1552_Pbx4/Pbx2/Pbx1)
Tbx1/10−2 | Tbx20 | Tbx20 (ARCH862_Tbx18/Tbx22/Tbx15_T...)

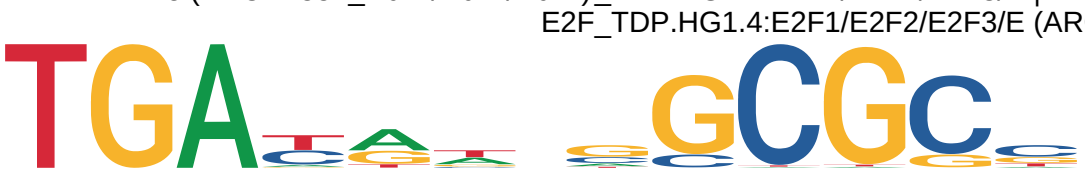
11: 93 peaks (4.5%)
Homeodomains.HG1.54:like:NOTO | VAx−EMX−Like (ARCH1552_Pbx4/Pbx2/Pbx1)
Nkx2−2/Nkx2−9 | Nkx3−2 (ARCH167_Nanog)



12: 87 peaks (4.2%)
Homeodomains.HG1.54:like:NOTO | VAx−EMX−Like (ARCH1552_Pbx4/Pbx2/Pbx1)
Homeodomains.HG1.62:like:MEOX1 | Homeodomains.HG1.65:like:MEOX1 | Six1/ (ARCH1362_Six1/_Six4/Six5)

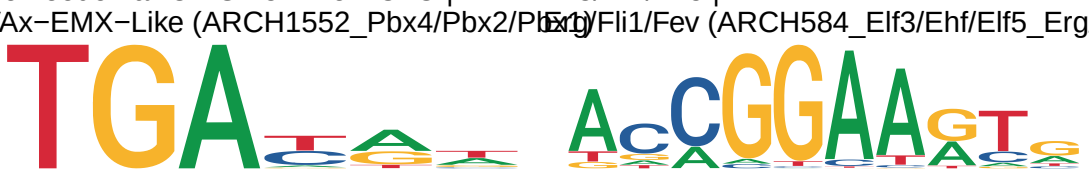


13: 76 peaks (3.7%)
Homeodomains.HG1.54:like:NOTO | VAx−EMX−Like (ARCH1552_Pbx4/Pbx2/Pbx1)
E2F_TDP.HG1.4:E2F1/E2F2/E2F3/E | E2F_TDP.HG1.4:E2F1/E2F2/E2F3/E | E2F_TDP.HG1.4:E2F1/E2F2/E2F3/E (ARCH



14: 76 peaks (3.7%)
Homeodomains.HG1.54:like:NOTO | VAx−EMX−Like (ARCH1552_Pbx4/Pbx2/Pbx1)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOX (ARCH895_Foxn4/Foxn1)
Tbx1/10−2 | Tbx20 | Tbx20 (ARCH862_Tbx18/Tbx

15: 74 peaks (3.6%)
Homeodomains.HG1.54:like:NOTO | VAx−EMX−Like (ARCH1552_Pbx4/Pbx2/Pbx1)
Elf3/Ehf/Elf5 | Ehf/Fli1/Fev (ARCH584_Elf3/Ehf/Elf5_Erg/F.



16: 71 peaks (3.5%)
Homeodomains.HG1.54:like:NOTO | VAx−EMX−Like (ARCH1552_Pbx4/Pbx2/Pbx1)
Six4/Six5 | Homeodomains.HG2.6:like:AC0252 | Homeodomains.HG1.5:like:AC0040 (ARCH2

17: 68 peaks (3.3%)
Homeodomains.HG1.54:like:NOTO | VAx−EMX−Like (ARCH1552_Pbx4/Pbx2/Pbx1)
Homeodomains.HG1.53:MNX1 | Hlx (ARCH1546_Meis3/Meis2/Meis1_...)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA

18: 66 peaks (3.2%)
Homeodomains.HG1.54:like:NOTO | VAx−EMX−Like (ARCH1552_Pbx4/Pbx2/Pbx1)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOX (ARCH895_Foxn4/Foxn1)
Nkx2−2/Nkx2−9 | Nkx3−2 (ARCH167_Nanog)

19: 56 peaks (2.7%)
Homeodomains.HG1.54:like:NOTO | VAx−EMX−Like (ARCH1552_Pbx4/Pbx2/Pbx1)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOX (ARCH895_Foxn4/Foxn1)
Homeodomains.HG1.62:like:M Six1/ (ARCH1362_Six1/_Six4

20: 56 peaks (2.7%)
Homeodomains.HG1.54:like:NOTO | VAx−EMX−Like (ARCH1552_Pbx4/Pbx2/Pbx1)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOX (ARCH895_Foxn4/Foxn1)
Six4/Six5 | Homeodomains.HG1.5:like:AC

gastro_circular_muscle_2

1: 567 peaks (23.9%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOX (ARCH895_Foxn4/Foxn1)
Homeodomains.HG1.54:like:NOTO | VAx−EMX−Like (ARCH1552_Pbx4/Pbx2/Pbx

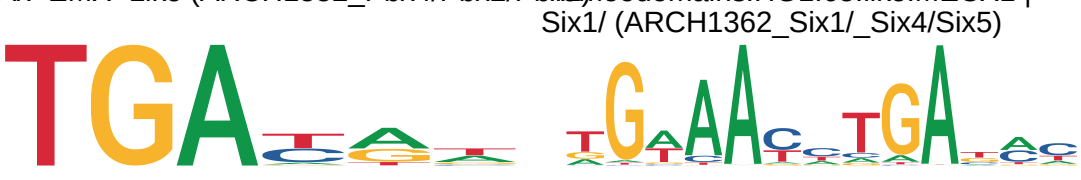
2: 241 peaks (10.1%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOX (ARCH895_Foxn4/Foxn1)
E2F_TDP.HG1.4:E2F1/E2F2/E2F3/E | E2F_TDP.HG1.4:E2F1/E2F2/E2F3/E | E2F_TDP.HG1.4:E2F1/E2F2/E2F3/E (ARCH

3: 212 peaks (8.9%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOX (ARCH895_Foxn4/Foxn1)
Homeodomains.HG1.62:like:MEOX1 | Homeodomains.HG1.65:like:MEOX1 | Six1/ (ARCH1362_Six1/_Six4/Six5)

4: 206 peaks (8.7%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOX (ARCH895_Foxn4/Foxn1)
zf−C2H2.HG4.4:like:ZIC1/ZIC2/Z (ARCH521

5: 198 peaks (8.3%)
Six4/Six5 | Homeodomains.HG2.6:like:AC0252 | Homeodomains.HG1.5:like:AC0040 (ARCH273_HOXD3)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOX (ARCH

6: 115 peaks (4.8%)
Homeodomains.HG1.54:like:NOTO | VAx−EMX−Like (ARCH1552_Pbx4/Pbx2/Pbx1)
Homeodomains.HG1.62:like:MEOX1 | Homeodomains.HG1.65:like:MEOX1 | Six1/ (ARCH1362_Six1/_Six4/Six5)

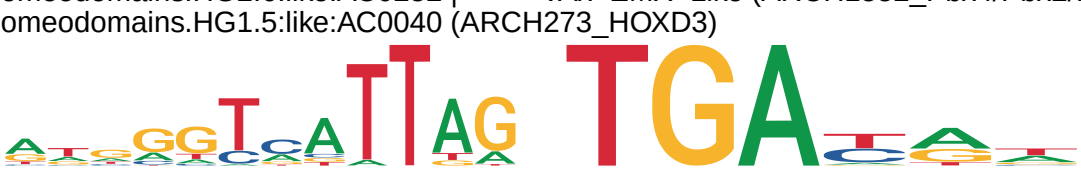


7: 106 peaks (4.5%)
E2F_TDP.HG1.4:E2F1/E2F2/E2F3/E | E2F_TDP.HG1.4:E2F1/E2F2/E2F3/E | E2F_TDP.HG1.4:E2F1/E2F2/E2F3/E (ARCH394_/E2f4_E2f6_E2f8/E2f7)
Homeodomains.HG1.54:like:NOTO | VAx−EMX−Like (ARCH1552_Pbx4/Pbx2/Pbx

8: 99 peaks (4.2%)
zf−C2H2.HG4.4:like:ZIC1/ZIC2/Z (ARCH521_Zic2_unknown_ENSG...)
Homeodomains.HG1.54:like:NOTO | VAx−EMX−Like (ARCH1552_Pbx4/Pbx2/Pbx

9: 79 peaks (3.3%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOX (ARCH895_Foxn4/Foxn1)
E2F_TDP.HG1.4:E2F1/E2F2/E2F3/E | E2F_TDP.HG1.4:E2F1/E2F2/E2F3/E | E2F_TDP.HG1.4:E2F1/E2F2/E2F3/E (ARCH394_/E2f4_E2
Homeodomains.HG1.54:like:N VAx−EMX−Like (ARCH1552_

10: 70 peaks (2.9%)
Six4/Six5 | Homeodomains.HG2.6:like:AC0252 | Homeodomains.HG1.5:like:AC0040 (ARCH273_HOXD3)
Homeodomains.HG1.54:like:NOTO | VAx−EMX−Like (ARCH1552_Pbx4/Pbx2/Pbx



11: 67 peaks (2.8%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOX (ARCH895_Foxn4/Foxn1)
Homeodomains.HG1.54:like:NOTO | VAx−EMX−Like (ARCH1552_Pbx4/Pbx2/Pbx1)
Homeodomains.HG1.62:like:M Homeodomains.HG1.65:like:M Six1/ (ARCH1362_Six1/_Six4/

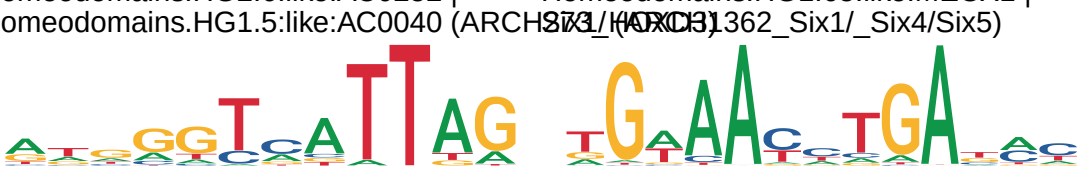
12: 66 peaks (2.8%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOX (ARCH895_Foxn4/Foxn1)
zf−C2H2.HG4.4:like:ZIC1/ZIC2/Z (ARCH521_Zic2_unknown_ENSG... VAx−EMX−Like (ARCH1552_

13: 57 peaks (2.4%)
Six4/Six5 | Homeodomains.HG2.6:like:AC0252 | Homeodomains.HG1.5:like:AC0040 (ARCH273_HOXD3)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOX (ARCH895_Foxn4/Foxn1)
Homeodomains.HG1.54:like:N VAx−EMX−Like (ARCH1552_F

14: 44 peaks (1.9%)
zf−C2H2.HG4.4:like:ZIC1/ZIC2/Z (ARCH521_Zic2_unknown_ENSG...)
E2F_TDP.HG1.4:E2F1/E2F2/E2F3/E | E2F_TDP.HG1.4:E2F1/E2F2/E2F3/E | E2F_TDP.HG1.4:E2F1/E2F2/E2F3/E (ARCH

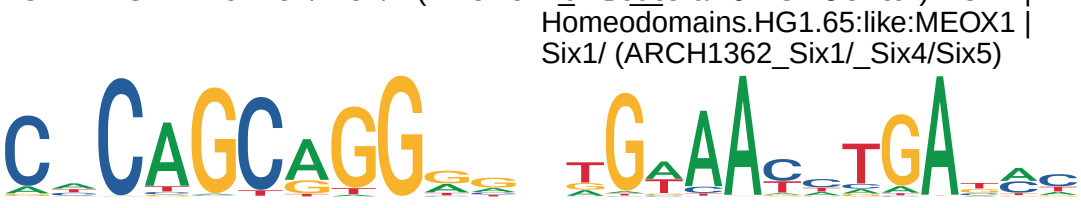
15: 34 peaks (1.4%)
Six4/Six5 | Homeodomains.HG2.6:like:AC0252 | Homeodomains.HG1.5:like:AC0040 (ARCH273_HOXD3)
E2F_TDP.HG1.4:E2F1/E2F2/E2F3/E | E2F_TDP.HG1.4:E2F1/E2F2/E2F3/E | E2F_TDP.HG1.4:E2F1/E2F2/E2F3/E (ARCH

16: 34 peaks (1.4%)
Six4/Six5 | Homeodomains.HG2.6:like:AC0252 | Homeodomains.HG1.5:like:AC0040 (ARCH273_HOXD3)
Homeodomains.HG1.62:like:MEOX1 | Homeodomains.HG1.65:like:MEOX1 | Six1/ (ARCH1362_Six1/_Six4/Six5)

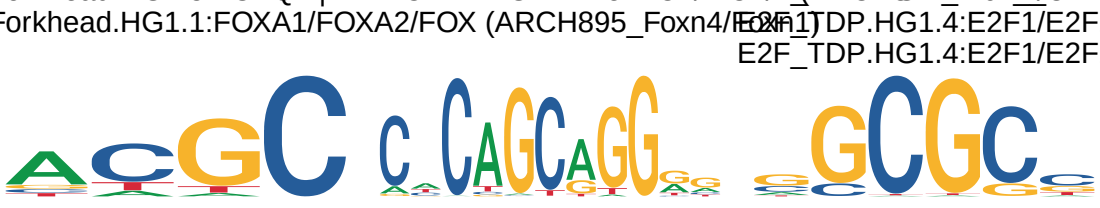


17: 33 peaks (1.4%)
E2F_TDP.HG1.4:E2F1/E2F2/E2F3/E | E2F_TDP.HG1.4:E2F1/E2F2/E2F3/E | E2F_TDP.HG1.4:E2F1/E2F2/E2F3/E (ARCH394_/E2f4_E2f6_E2f8/E2f7)
Homeodomains.HG1.62:like:MEOX1 | Homeodomains.HG1.65:like:MEOX1 | Six1/ (ARCH1362_Six1/_Six4/Six5)

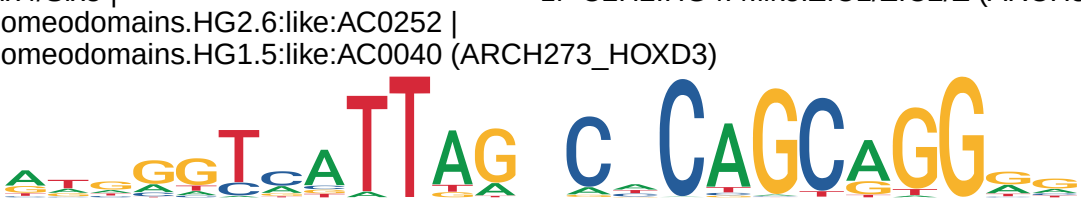
18: 32 peaks (1.3%)
zf−C2H2.HG4.4:like:ZIC1/ZIC2/Z (ARCH521_Zic2_unknown_ENSG...)
Homeodomains.HG1.62:like:MEOX1 | Homeodomains.HG1.65:like:MEOX1 | Six1/ (ARCH1362_Six1/_Six4/Six5)



19: 31 peaks (1.3%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOX (ARCH895_Foxn4/Foxn1)
zf−C2H2.HG4.4:like:ZIC1/ZIC2/Z (ARCH521_Zic2_unknown_ENSG... VAx−EMX−Like (ARCH1552_
E2F_TDP.HG1.4:E2F1/E2F2/ E2F_TDP.HG1.4:E2F1/E2F2/

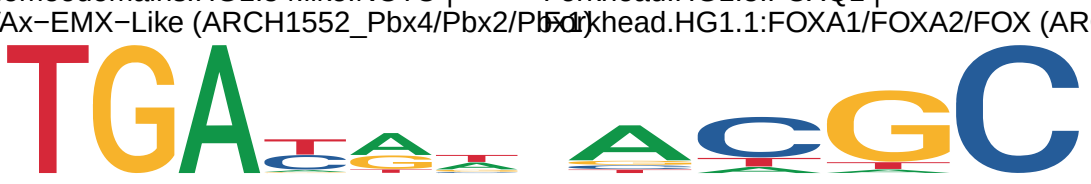


20: 29 peaks (1.2%)
Six4/Six5 | Homeodomains.HG2.6:like:AC0252 | Homeodomains.HG1.5:like:AC0040 (ARCH273_HOXD3)
zf−C2H2.HG4.4:like:ZIC1/ZIC2/Z (ARCH521



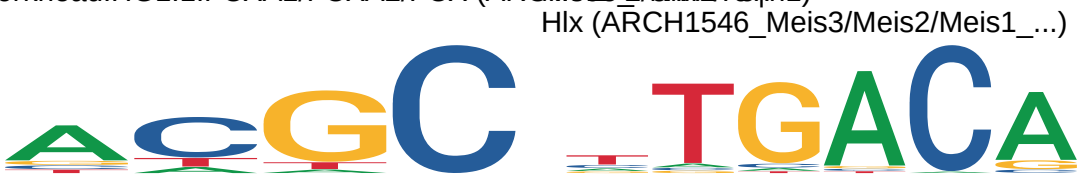
gastro_parietal_muscle

1: 587 peaks (30.1%)
Homeodomains.HG1.54:like:NOTO | VAx−EMX−Like (ARCH1552_Pbx4/Pbx2/Pbx1)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOX (ARCH



2: 288 peaks (14.7%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOX (ARCH895_Foxn4/Foxn1)
Hlx (ARCH1545_Meis3/Meis2/Meis1_...)

3: 232 peaks (11.9%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOX (ARCH895_Foxn4/Foxn1)
Homeodomains.HG1.53:MNX1 | Nkx2−2/Nkx2−9 |
Hlx (ARCH1546_Meis3/Meis2/Meis1_...)



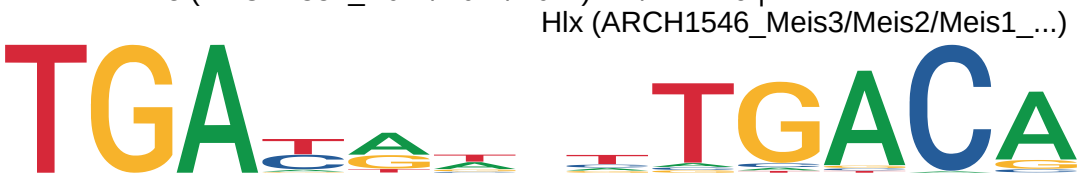
4: 212 peaks (10.9%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOX (ARCH895_Foxn4/Foxn1)
Six4/Six5 | Homeodomains.HG2.6:like:AC0252 | Homeodomains.HG1.5:like:AC0040 (ARCH2

5: 200 peaks (10.2%)
Homeodomains.HG1.62:like:MEOX1 | Homeodomains.HG1.65:like:MEOX1 | Six1/ (ARCH1362_Six1/_Six4/Six5)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOX (ARCH

6: 196 peaks (10.0%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOX (ARCH895_Foxn4/Foxn1)
Elf3/Ehf/Elf5 | Ehf/Elf5_Erg/Fli1/Fev (ARCH584_Elf3/Ehf/Elf5_Erg/F.

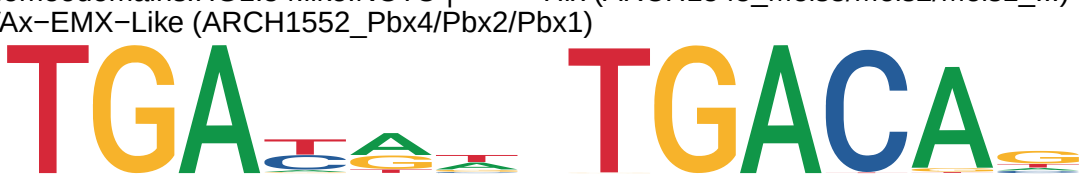
7: 171 peaks (8.8%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOX (ARCH895_Foxn4/Foxn1)
E2F_TDP.HG1.4:E2F1/E2F2/E2F3/E | E2F_TDP.HG1.4:E2F1/E2F2/E2F3/E | E2F_TDP.HG1.4:E2F1/E2F2/E2F3/E (ARCH

8: 157 peaks (8.0%)
Homeodomains.HG1.54:like:NOTO | VAx−EMX−Like (ARCH1552_Pbx4/Pbx2/Pbx1)
Homeodomains.HG1.53:MNX1 | Nkx2−2/Nkx2−9 | Hlx (ARCH1546_Meis3/Meis2/Meis1_...)



9: 157 peaks (8.0%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOX (ARCH895_Foxn4/Foxn1)
Nkx2−2/Nkx2−9 | Nkx3−2 (ARCH167_Nanog)

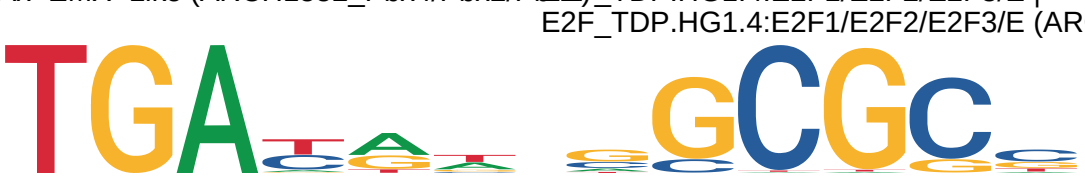
10: 151 peaks (7.7%)
Homeodomains.HG1.54:like:NOTO | VAx−EMX−Like (ARCH1552_Pbx4/Pbx2/Pbx1)
Hlx (ARCH1545_Meis3/Meis2/Meis1_...)



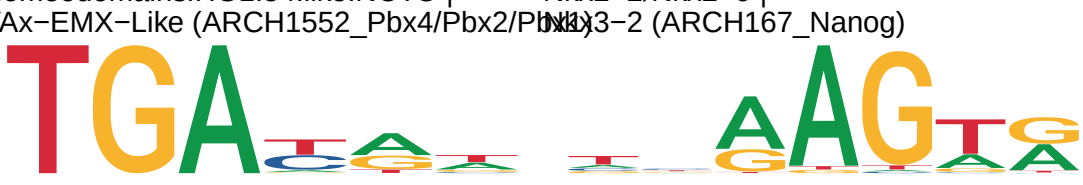
11: 115 peaks (5.9%)
Homeodomains.HG1.62:like:MEOX1 | Homeodomains.HG1.65:like:MEOX1 | Six1/ (ARCH1362_Six1/_Six4/Six5)
Homeodomains.HG1.54:like:NOTO | VAx−EMX−Like (ARCH1552_Pbx4/Pbx2/Pbx

12: 101 peaks (5.2%)
Homeodomains.HG1.54:like:NOTO | VAx−EMX−Like (ARCH1552_Pbx4/Pbx2/Pbx1)
Elf3/Ehf/Elf5 | Ehf/Fli1/Fev (ARCH584_Elf3/Ehf/Elf5_Erg/F.

13: 100 peaks (5.1%)
Homeodomains.HG1.54:like:NOTO | VAx−EMX−Like (ARCH1552_Pbx4/Pbx2/Pbx1)
E2F_TDP.HG1.4:E2F1/E2F2/E2F3/E | E2F_TDP.HG1.4:E2F1/E2F2/E2F3/E | E2F_TDP.HG1.4:E2F1/E2F2/E2F3/E (ARCH



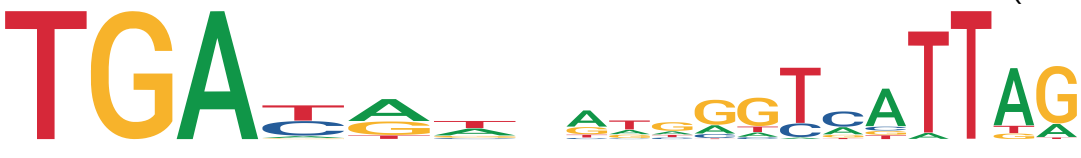
14: 99 peaks (5.1%)
Homeodomains.HG1.54:like:NOTO | VAx−EMX−Like (ARCH1552_Pbx4/Pbx2/Pbx1)
Nkx2−2/Nkx2−9 | Nkx3−2 (ARCH167_Nanog)



15: 98 peaks (5.0%)
Homeodomains.HG1.54:like:NOTO | VAx−EMX−Like (ARCH1552_Pbx4/Pbx2/Pbx1)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOX (ARCH895_Foxn4/Fo
Hlx (ARCH1545_Meis3/Meis2

16: 97 peaks (5.0%)
Homeodomains.HG1.54:like:NOTO | VAx−EMX−Like (ARCH1552_Pbx4/Pbx2/Pbx1)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOX (ARCH895_Foxn4/Fo
Homeodomains.HG1.53:MNX Nkx2−2/Nkx2−9 |
Hlx (ARCH1546_Meis3/Meis2

17: 93 peaks (4.8%)
Homeodomains.HG1.54:like:NOTO | VAx−EMX−Like (ARCH1552_Pbx4/Pbx2/Pbx1)
Six4/Six5 | Homeodomains.HG2.6:like:AC0252 | Homeodomains.HG1.5:like:AC0040 (ARCH2



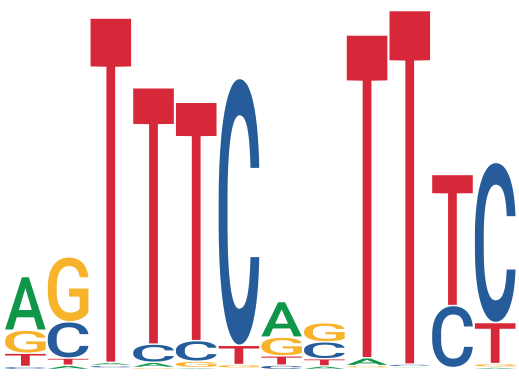
18: 79 peaks (4.0%)
Homeodomains.HG1.53:MNX1 | Nkx2−2/Nkx2−9 | Hlx (ARCH1546_Meis3/Meis2/Meis1_...)
Hlx (ARCH1545_Meis3/Meis2/Meis1_...)

19: 78 peaks (4.0%)
Homeodomains.HG1.62:like:MEOX1 | Homeodomains.HG1.65:like:MEOX1 | Six1/ (ARCH1362_Six1/_Six4/Six5)
Homeodomains.HG1.54:like:NOTO | VAx−EMX−Like (ARCH1552_Pbx4/Pbx2/Pbx1)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA

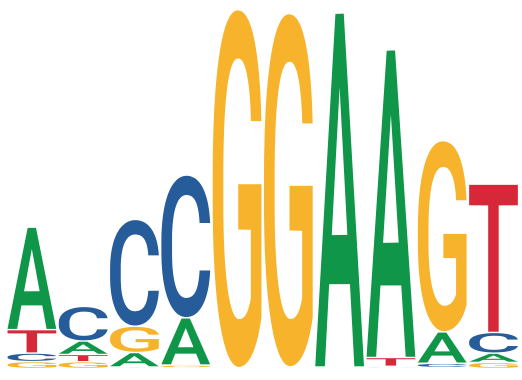
20: 75 peaks (3.8%)
Homeodomains.HG1.54:like:NOTO | VAx−EMX−Like (ARCH1552_Pbx4/Pbx2/Pbx1)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOX (ARCH895_Foxn4/Fo
Nkx2−2/Nkx2−9 | Nkx3−2 (ARCH167_Nanog)

gastro_IRF1_2

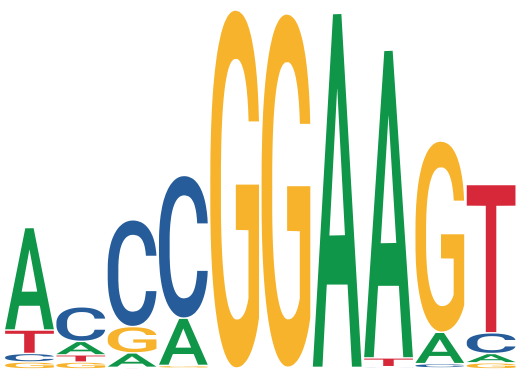
1: 19 peaks (6.9%)
IRF1−2c |
IRF.HG1.1:IRF1/IRF2/IRF3/IRF4/ |
Irf7/Irf4/Irf8/Irf5/Irf9/Irf6/ (ARCH591_ISRE__IRF3__IRF8)



Elf3/Ehf/Elf5 |
Gabpa |
Spdef (ARCH587_Elf3/Ehf/Elf5_Erg/F...)

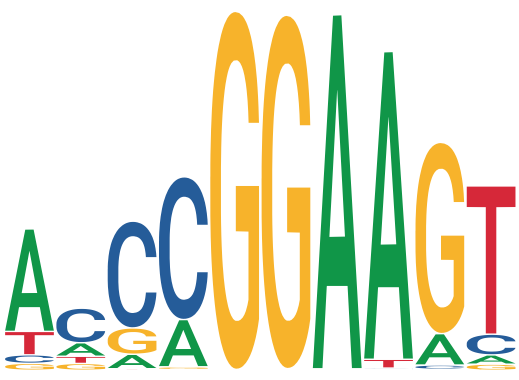


2: 14 peaks (5.1%)
Elf3/Ehf/Elf5 |
Gabpa |
Spdef (ARCH587_Elf3/Ehf/Elf5_Erg/F...)

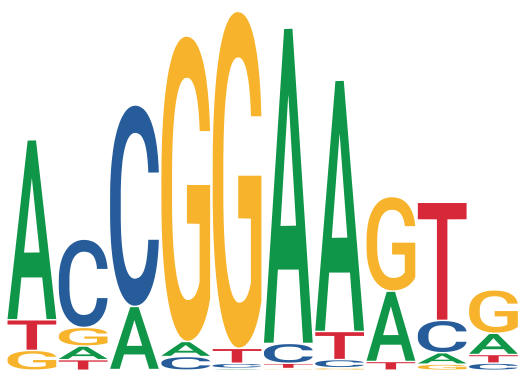


Doublesex_DM.HG1.18:like:DMRT3 (ARCH1

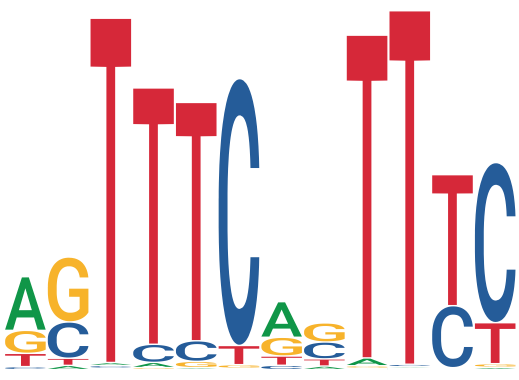
3: 14 peaks (5.1%)
Elf3/Ehf/Elf5 |
Gabpa |
Spdef (ARCH587_Elf3/Ehf/Elf5_Erg/F...)



Elf3/Ehf/Elf5 |
Erg/Fli1/Fev (ARCH584_Elf3/Ehf/Elf5_Erg/F.

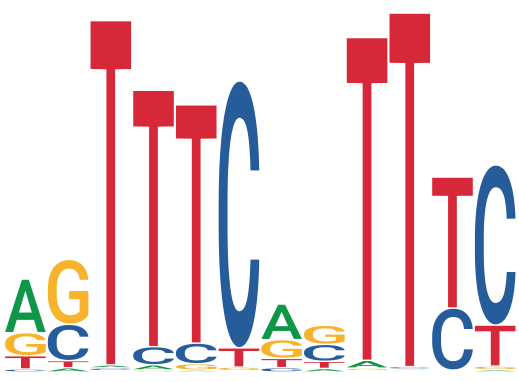


4: 11 peaks (4.0%)
IRF1−2c |
IRF.HG1.1:IRF1/IRF2/IRF3/IRF4/ |
Irf7/Irf4/Irf8/Irf5/Irf9/Irf6/ (ARCH591_ISRE__IRF3__IRF8)

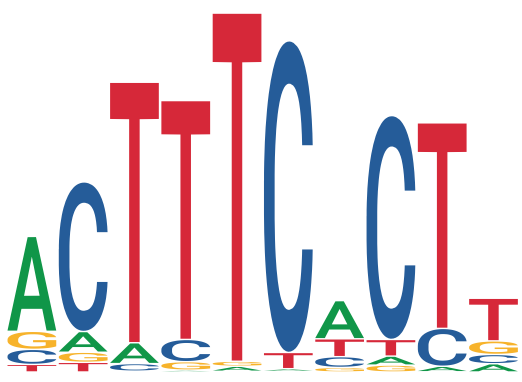


Elf3/Ehf/Elf5 |
Erg/Fli1/Fev (ARCH584_Elf3/Ehf/Elf5_Erg/F.

5: 6 peaks (2.2%)
IRF1−2c |
IRF.HG1.1:IRF1/IRF2/IRF3/IRF4/ |
Irf7/Irf4/Irf8/Irf5/Irf9/Irf6/ (ARCH591_ISRE__IRF3__IRF8)

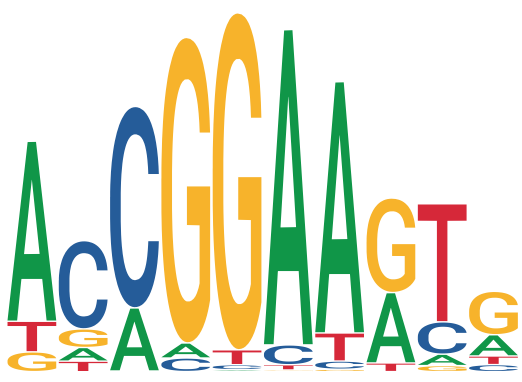


Doublesex_DM.HG1.18:like:DMRT3 (ARCH1



6: 6 peaks (2.2%)
Doublesex_DM.HG1.18:like:DMRT3 (ARCH171_PRDM1)

Elf3/Ehf/Elf5 |
Erg/Fli1/Fev (ARCH584_Elf3/Ehf/Elf5_Erg/F.



7: 3 peaks (1.1%)
Elf3/Ehf/Elf5 |
Gabpa |
Spdef (ARCH587_Elf3/Ehf/Elf5_Erg/F...)

Doublesex_DM.HG1.18:like:DMRT3 (ARCH171_PRDM1)

Elf3/Ehf/Elf5 |
Erg/Fli1/Fev (ARCH584_Elf3/E

8: 1 peaks (0.4%)
IRF1−2c |
IRF.HG1.1:IRF1/IRF2/IRF3/IRF4/ |
Irf7/Irf4/Irf8/Irf5/Irf9/Irf6/ (ARCH591_ISRE__IRF3__IRF8)

Elf3/Ehf/Elf5 |
Gabpa |
Spdef (ARCH587_Elf3/Ehf/Elf5_Erg/F...)

Doublesex_DM.HG1.18:like:D

9: 1 peaks (0.4%)
IRF1−2c |
IRF.HG1.1:IRF1/IRF2/IRF3/IRF4/ |
Irf7/Irf4/Irf8/Irf5/Irf9/Irf6/ (ARCH591_ISRE__IRF3__IRF8)

Elf3/Ehf/Elf5 |
Gabpa |
Spdef (ARCH587_Elf3/Ehf/Elf5_Erg/F...)

Elf3/Ehf/Elf5 |
Erg/Fli1/Fev (ARCH584_Elf3/E

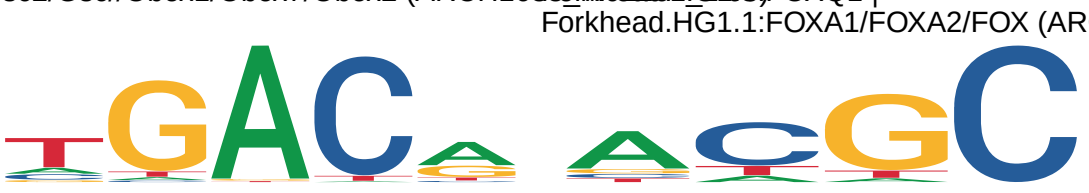
10: 1 peaks (0.4%)
IRF1−2c |
IRF.HG1.1:IRF1/IRF2/IRF3/IRF4/ |
Irf7/Irf4/Irf8/Irf5/Irf9/Irf6/ (ARCH591_ISRE__IRF3__IRF8)

Doublesex_DM.HG1.18:like:DMRT3 (ARCH171_PRDM1)

Erg/Fli1/Fev (ARCH584_Elf3/E

gastro_somatic_gonad

1: 43 peaks (36.8%)
Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633_M02161_2.00) | Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOX (ARCH



2: 18 peaks (15.4%)
Forkhead.HG1.5:FOXQ1 | Homeodomains.HG2.76:like:DMBX1 (ARCH
Forkhead.HG1.1:FOXA1/FOXA2/FOX (ARCH895_Foxn4/Foxn1)

3: 14 peaks (12.0%)
Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633_M02161_2.00) | Homeodomains.HG2.76:like:DMBX1 (ARCH

4: 13 peaks (11.1%)
Forkhead.HG1.5:FOXQ1 | Six4/5 |
Forkhead.HG1.1:FOXA1/FOXA2/FOX (ARCH895_Foxn4/Foxn1) | Hnf1a/Hnf1b (ARCH1503_Meis3/Meis2/Meis

5: 12 peaks (10.3%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.17:like:FOXI1/FOX (ARCH10
Forkhead.HG1.1:FOXA1/FOXA2/FOX (ARCH895_Foxn4/Foxn1)

6: 12 peaks (10.3%)
Forkhead.HG1.5:FOXQ1 | Elf3/Ehf/Elf5 |
Forkhead.HG1.1:FOXA1/FOXA2/FOX (ARCH895_Foxn4/Foxn1) | Gabpa |
Spdef (ARCH587_Elf3/Ehf/Elf5_Erg/F...)

7: 12 peaks (10.3%)
Forkhead.HG1.5:FOXQ1 | Gbx1/Gbx2 |
Forkhead.HG1.1:FOXA1/FOXA2/FOX (ARCH895_Foxn4/Foxn1) | Homeodomains.HG1.47:like:MSX1/ |
Pitx3/Pitx2/Pitx1 (ARCH1437_)

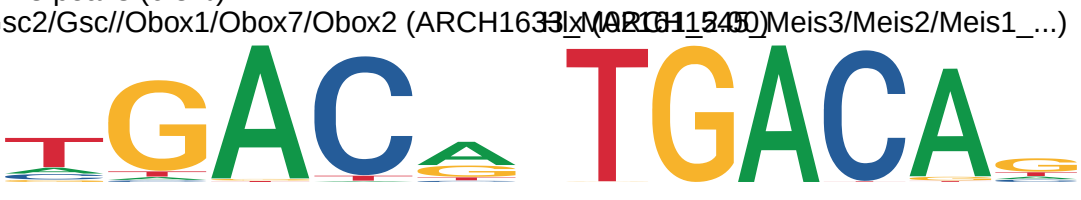
8: 10 peaks (8.5%)
Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633_M02161_2.00) | Six4/5 |
Hnf1a/Hnf1b (ARCH1503_Meis3/Meis2/Meis

9: 10 peaks (8.5%)
Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633_M02161_2.00) | Forkhead.HG1.17:like:FOXI1/FOX (ARCH10

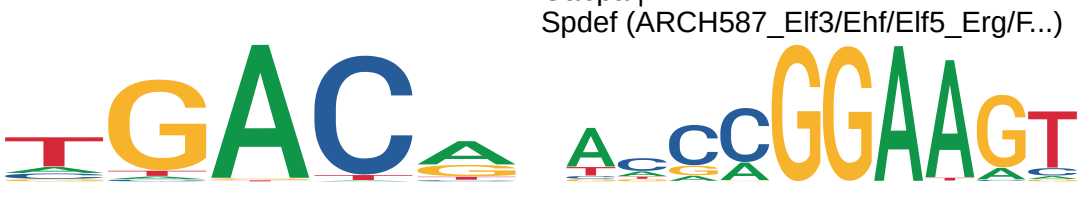
10: 9 peaks (7.7%)
Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633_M02161_2.00) | Six4/5 |
Forkhead.HG1.1:FOXA1/FOXA2/FOX (ARCH895_Foxn4/Fo | Hnf1a/Hnf1b (ARCH1503_Me

11: 9 peaks (7.7%)
Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633_M02161_2.00) | Homeodomains.HG2.76:like:D
Forkhead.HG1.1:FOXA1/FOXA2/FOX (ARCH895_Foxn4/Fo

12: 8 peaks (6.8%)
Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633_M02161_2.00) | Hlx (ARCH1545_Meis3/Meis2/Meis1_...)



13: 8 peaks (6.8%)
Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633_M02161_2.00) | Elf3/Ehf/Elf5 |
Gabpa |
Spdef (ARCH587_Elf3/Ehf/Elf5_Erg/F...)



14: 8 peaks (6.8%)
Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633_M02161_2.00) | Gbx1/Gbx2 |
Homeodomains.HG1.47:like:MSX1/ |
Pitx3/Pitx2/Pitx1 (ARCH1437_)

15: 8 peaks (6.8%)
Forkhead.HG1.5:FOXQ1 | Hlx (ARCH1545_Meis3/Meis2/Meis1_...)
Forkhead.HG1.1:FOXA1/FOXA2/FOX (ARCH895_Foxn4/Foxn1)

16: 8 peaks (6.8%)
Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633_M02161_2.00) | Forkhead.HG1.17:like:FOXI1/F
Forkhead.HG1.1:FOXA1/FOXA2/FOX (ARCH895_Foxn4/Fo

17: 6 peaks (5.1%)
Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633_M02161_2.00) | Elf3/Ehf/Elf5 |
Forkhead.HG1.1:FOXA1/FOXA2/FOX (ARCH895_Foxn4/Fo | Gabpa |
Spdef (ARCH587_Elf3/Ehf/Elf

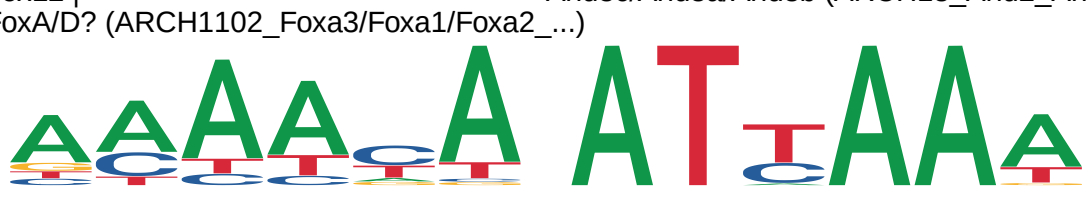
18: 6 peaks (5.1%)
Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633_M02161_2.00) | Gbx1/Gbx2 |
Forkhead.HG1.1:FOXA1/FOXA2/FOX (ARCH895_Foxn4/Fo | Homeodomains.HG1.47:like:M
Pitx3/Pitx2/Pitx1 (ARCH1437_

19: 5 peaks (4.3%)
Homeodomains.HG2.76:like:DMBX1 (ARCH1640_Dmbx1_Gsc2/Gsc//Ob...) | Gbx1/Gbx2 |
Homeodomains.HG1.47:like:MSX1/ |
Pitx3/Pitx2/Pitx1 (ARCH1437_)

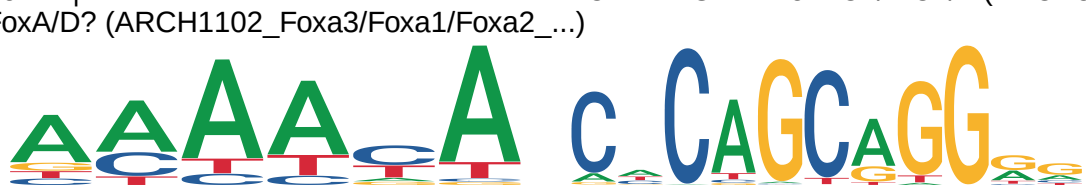
20: 4 peaks (3.4%)
Homeodomains.HG2.76:like:DMBX1 (ARCH1640_Dmbx1_Gsc2/Gsc//Ob...) | Elf3/Ehf/Elf5 |
Gabpa |
Spdef (ARCH587_Elf3/Ehf/Elf5_Erg/F...)

muscle_tentacle_retractor

1: 78 peaks (8.9%)
FoxL2 | FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_...)
Arid3c/Arid3a/Arid3b (ARCH13_Arid2_Arid3



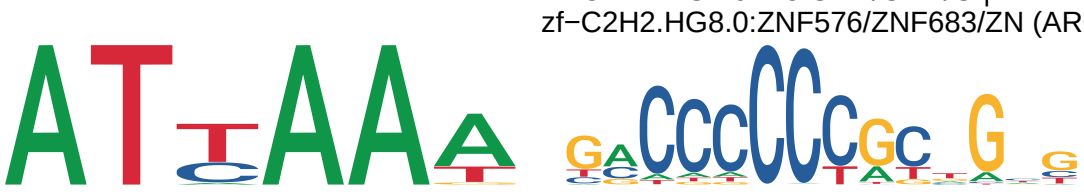
2: 45 peaks (5.1%)
FoxL2 | FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_...)
zf−C2H2.HG4.4:like:ZIC1/ZIC2/Z (ARCH521



3: 33 peaks (3.8%)
Arid3c/Arid3a/Arid3b (ARCH13_Arid2_Arid3
Pbx4/Pbx2/Pbx1 | Homeodomains.HG1.37:NKX6−1/NKX (ARC

4: 30 peaks (3.4%)
Arid3c/Arid3a/Arid3b (ARCH13_Arid2_Arid3
zf−C2H2.HG4.4:like:ZIC1/ZIC2/Z (ARCH521

5: 27 peaks (3.1%)
Arid3c/Arid3a/Arid3b (ARCH13_Arid2_Arid3
zf−C2H2.HG1.35:FEZF1/FEZF2/GFI | zf−C2H2.HG4.0:like:GLI1/GLI2/G | zf−C2H2.HG8.0:ZNF576/ZNF683/ZN (ARCH



6: 26 peaks (3.0%)
FoxL2 | FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_...)
Pbx4/Pbx2/Pbx1 | Homeodomains.HG1.37:NKX6−1/NKX (ARC

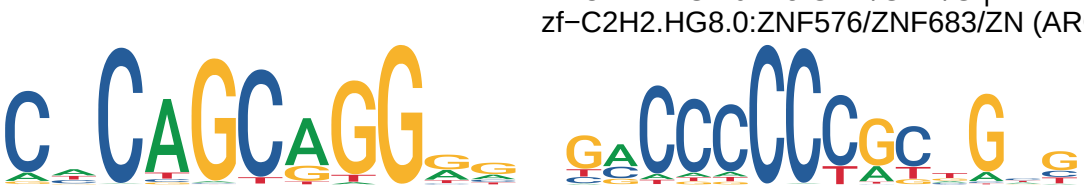
7: 25 peaks (2.8%)
FoxL2 | FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_...)
Mlx (ARCH793_Mlx_Srebf2/Srebf1_Usf3)

8: 24 peaks (2.7%)
Arid3c/Arid3a/Arid3b (ARCH13_Arid2_Arid3
Mlx (ARCH793_Mlx_Srebf2/Srebf1_Usf3)

9: 19 peaks (2.2%)
FoxL2 | FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_...)
zf−C2H2.HG1.35:FEZF1/FEZF2/GFI | zf−C2H2.HG4.0:like:GLI1/GLI2/G | zf−C2H2.HG8.0:ZNF576/ZNF683/ZN (ARCH

10: 15 peaks (1.7%)
Pbx4/Pbx2/Pbx1 | Homeodomains.HG1.37:NKX6−1/NKX (ARCH121_Nfya_Pbx4/Pbx2/Pbx1)
zf−C2H2.HG4.4:like:ZIC1/ZIC2/Z (ARCH521

11: 15 peaks (1.7%)
zf−C2H2.HG4.4:like:ZIC1/ZIC2/Z (ARCH521
zf−C2H2.HG1.35:FEZF1/FEZF2/GFI | zf−C2H2.HG4.0:like:GLI1/GLI2/G | zf−C2H2.HG8.0:ZNF576/ZNF683/ZN (ARCH



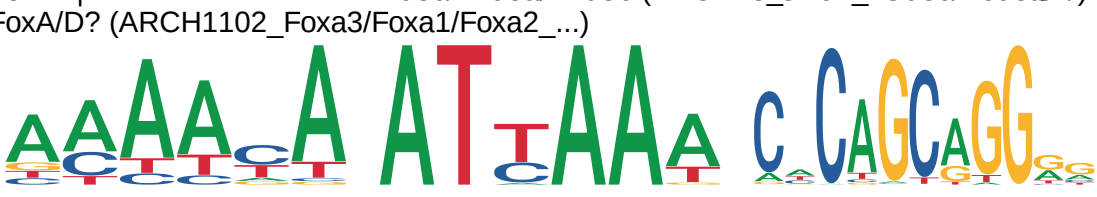
12: 10 peaks (1.1%)
zf−C2H2.HG4.4:like:ZIC1/ZIC2/Z (ARCH521
Mlx (ARCH793_Mlx_Srebf2/Srebf1_Usf3)

13: 10 peaks (1.1%)
FoxL2 | FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_...)
Arid3c/Arid3a/Arid3b (ARCH13_Arid2_Arid3
Pbx4/Pbx2/Pbx1 | Homeodomains.HG1.37:NKX6

14: 7 peaks (0.8%)
Pbx4/Pbx2/Pbx1 | Homeodomains.HG1.37:NKX6−1/NKX (ARCH121_Nfya_Pbx4/Pbx2/Pbx1)
zf−C2H2.HG1.35:FEZF1/FEZF2/GFI | zf−C2H2.HG4.0:like:GLI1/GLI2/G | zf−C2H2.HG8.0:ZNF576/ZNF683/ZN (ARCH

15: 7 peaks (0.8%)
Pbx4/Pbx2/Pbx1 | Homeodomains.HG1.37:NKX6−1/NKX (ARCH121_Nfya_Pbx4/Pbx2/Pbx1)
Mlx (ARCH793_Mlx_Srebf2/Srebf1_Usf3)

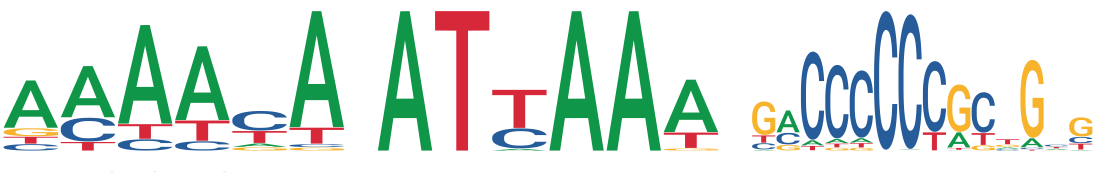
16: 7 peaks (0.8%)
FoxL2 | FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_...)
Arid3c/Arid3a/Arid3b (ARCH13_Arid2_Arid3
zf−C2H2.HG4.4:like:ZIC1/ZIC



17: 6 peaks (0.7%)
FoxL2 | FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_...)
Arid3c/Arid3a/Arid3b (ARCH13_Arid2_Arid3
Mlx (ARCH793_Mlx_Srebf2/S

18: 5 peaks (0.6%)
zf−C2H2.HG1.35:FEZF1/FEZF2/GFI | zf−C2H2.HG4.0:like:GLI1/GLI2/G | zf−C2H2.HG8.0:ZNF576/ZNF683/ZN (ARCH353_M06062_2.00__M06468...)
Mlx (ARCH793_Mlx_Srebf2/Srebf1_Usf3)

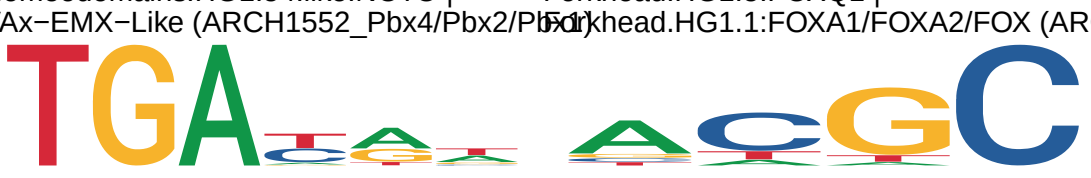
19: 5 peaks (0.6%)
FoxL2 | FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_...)
Arid3c/Arid3a/Arid3b (ARCH13_Arid2_Arid3
zf−C2H2.HG1.35:FEZF1/FEZ
zf−C2H2.HG4.0:like:GLI1/GLI
zf−C2H2.HG8.0:ZNF576/ZNF



20: 5 peaks (0.6%)
FoxL2 | FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_...)
Pbx4/Pbx2/Pbx1 | Homeodomains.HG1.37:NKX6−1/NKX (ARCH121_Nfya_P
zf−C2H2.HG4.4:like:ZIC1/ZIC

muscle_mesentery_retractor

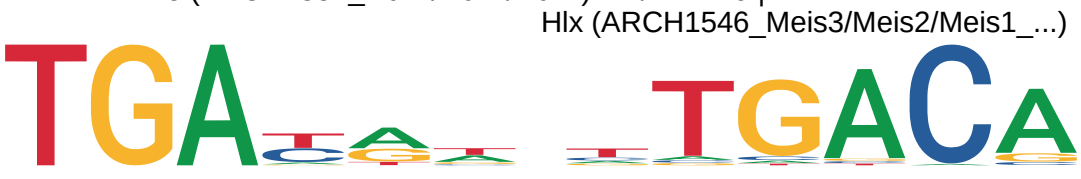
1: 221 peaks (30.4%)
Homeodomains.HG1.54:like:NOTO | VAx−EMX−Like (ARCH1552_Pbx4/Pbx2/Pbx1)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOX (ARCH



2: 144 peaks (19.8%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOX (ARCH
Homeodomains.HG1.53:MNX1 | Nkx2−2/Nkx2−9 | Hlx (ARCH1546_Meis3/Meis2/Meis1_...)

3: 107 peaks (14.7%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOX (ARCH
Six4/Six5 | Homeodomains.HG2.6:like:AC0252 | Homeodomains.HG1.5:like:AC0040 (ARCH2

4: 99 peaks (13.6%)
Homeodomains.HG1.54:like:NOTO | VAx−EMX−Like (ARCH1552_Pbx4/Pbx2/Pbx1)
Homeodomains.HG1.53:MNX1 | Nkx2−2/Nkx2−9 | Hlx (ARCH1546_Meis3/Meis2/Meis1_...)



5: 70 peaks (9.6%)
Homeodomains.HG1.54:like:NOTO | VAx−EMX−Like (ARCH1552_Pbx4/Pbx2/Pbx1)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOX (ARCH
Homeodomains.HG1.53:MNX
Nkx2−2/Nkx2−9 | Hlx (ARCH1546_Meis3/Meis2

6: 64 peaks (8.8%)
Nkx2−2/Nkx2−9 | Nkx3−2 (ARCH167_Nanog)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOX (ARCH

7: 46 peaks (6.3%)
Nkx2−2/Nkx2−9 | Nkx3−2 (ARCH167_Nanog)
Homeodomains.HG1.54:like:NOTO | VAx−EMX−Like (ARCH1552_Pbx4/Pbx2/Pbx

8: 42 peaks (5.8%)
Homeodomains.HG1.54:like:NOTO | VAx−EMX−Like (ARCH1552_Pbx4/Pbx2/Pbx1)
Six4/Six5 | Homeodomains.HG2.6:like:AC0252 | Homeodomains.HG1.5:like:AC0040 (ARCH2

9: 38 peaks (5.2%)
Homeodomains.HG1.53:MNX1 | Nkx2−2/Nkx2−9 | Hlx (ARCH1546_Meis3/Meis2/Meis1_...)
Six4/Six5 | Homeodomains.HG2.6:like:AC0252 | Homeodomains.HG1.5:like:AC0040 (ARCH2

10: 33 peaks (4.5%)
Homeodomains.HG1.54:like:NOTO | VAx−EMX−Like (ARCH1552_Pbx4/Pbx2/Pbx1)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOX (ARCH
Six4/Six5 | Homeodomains.HG2.6:like:AC
Homeodomains.HG1.5:like:AC

11: 32 peaks (4.4%)
Nkx2−2/Nkx2−9 | Nkx3−2 (ARCH167_Nanog)
Homeodomains.HG1.54:like:NOTO | VAx−EMX−Like (ARCH1552_Pbx4/Pbx2/Pbx1)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA

12: 30 peaks (4.1%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOX (ARCH
Homeodomains.HG1.53:MNX1 | Nkx2−2/Nkx2−9 | Hlx (ARCH1546_Meis3/Meis2/Meis1_...)
Six4/Six5 | Homeodomains.HG2.6:like:AC
Homeodomains.HG1.5:like:AC

13: 28 peaks (3.9%)
Nkx2−2/Nkx2−9 | Nkx3−2 (ARCH167_Nanog)
Homeodomains.HG1.53:MNX1 | Nkx2−2/Nkx2−9 | Hlx (ARCH1546_Meis3/Meis2/Meis1_...)

14: 20 peaks (2.8%)
Nkx2−2/Nkx2−9 | Nkx3−2 (ARCH167_Nanog)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOX (ARCH
Homeodomains.HG1.53:MNX
Nkx2−2/Nkx2−9 | Hlx (ARCH1546_Meis3/Meis2

15: 19 peaks (2.6%)
Nkx2−2/Nkx2−9 | Nkx3−2 (ARCH167_Nanog)
Homeodomains.HG1.54:like:NOTO | VAx−EMX−Like (ARCH1552_Pbx4/Pbx2/Pbx1)
Homeodomains.HG1.53:MNX
Nkx2−2/Nkx2−9 | Hlx (ARCH1546_Meis3/Meis2

16: 15 peaks (2.1%)
Nkx2−2/Nkx2−9 | Nkx3−2 (ARCH167_Nanog)
Homeodomains.HG1.54:like:NOTO | VAx−EMX−Like (ARCH1552_Pbx4/Pbx2/Pbx1)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOX (ARCH
Homeodomains.HG1.5
Nkx2−2/Nkx2−9 | Hlx (ARCH1546_Meis3

17: 12 peaks (1.7%)
Homeodomains.HG1.54:like:NOTO | VAx−EMX−Like (ARCH1552_Pbx4/Pbx2/Pbx1)
Homeodomains.HG1.53:MNX1 | Nkx2−2/Nkx2−9 | Hlx (ARCH1546_Meis3/Meis2/Meis1_...)
Six4/Six5 | Homeodomains.HG2.6:like:AC
Homeodomains.HG1.5:like:AC

18: 11 peaks (1.5%)
Homeodomains.HG1.54:like:NOTO | VAx−EMX−Like (ARCH1552_Pbx4/Pbx2/Pbx1)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOX (ARCH
Homeodomains.HG1.53:MNX1 | Nkx2−2/Nkx2−9 | Hlx (ARCH1546_Meis3/Meis2/Meis1_...)
Six4/Six5 | Homeodomains.HG2.6:like:AC
Homeodomains.HG1.5

19: 9 peaks (1.2%)
Nkx2−2/Nkx2−9 | Nkx3−2 (ARCH167_Nanog)
Six4/Six5 | Homeodomains.HG2.6:like:AC0252 | Homeodomains.HG1.5:like:AC0040 (ARCH2

20: 8 peaks (1.1%)
Nkx2−2/Nkx2−9 | Nkx3−2 (ARCH167_Nanog)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOX (ARCH
Six4/Six5 | Homeodomains.HG2.6:like:AC
Homeodomains.HG1.5:like:AC

digestive_filaments_1

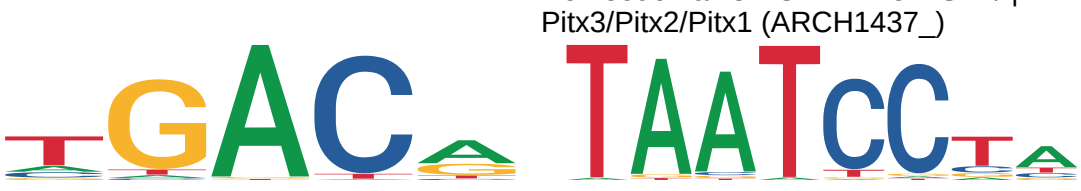
1: 327 peaks (43.4%)
Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633_M02161_2.00) | Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOX (ARCH

2: 102 peaks (13.5%)
Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633_M02161_2.00) | HMGbox_Sox.HG1.37:like:SSRP1 (ARCH11

3: 102 peaks (13.5%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOX (ARCH895_Foxn4/Foxn1) | HMGbox_Sox.HG1.37:like:SSRP1 (ARCH11

4: 71 peaks (9.4%)
Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633_M02161_2.00) | Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOX (ARCH895_Foxn4/Fo | HMGbox_Sox.HG1.37:like:SS

5: 68 peaks (9.0%)
Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633_M02161_2.00) | Homeodomains.HG1.47:like:MSX1/ | Pitx3/Pitx2/Pitx1 (ARCH1437_)



6: 58 peaks (7.7%)
Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633_M02161_2.00) | FoxA (ARCH1291_Fox:Ebox)

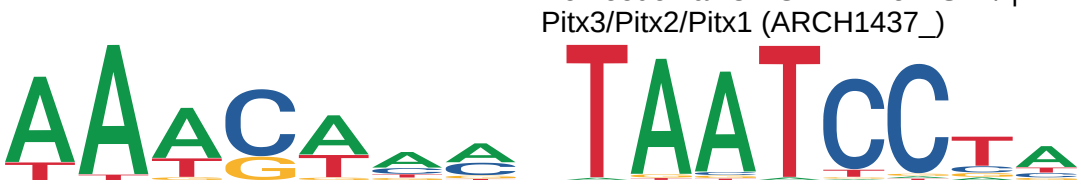
7: 58 peaks (7.7%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOX (ARCH895_Foxn4/Foxn1) | Gbx1/Gbx2 | Homeodomains.HG1.47:like:MSX1/ | Pitx3/Pitx2/Pitx1 (ARCH1437_)

8: 54 peaks (7.2%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOX (ARCH895_Foxn4/Foxn1) | FoxA (ARCH1291_Fox:Ebox)

9: 41 peaks (5.4%)
Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633_M02161_2.00) | Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOX (ARCH895_Foxn4/Fo | Gbx1/Gbx2 | Homeodomains.HG1.47:like:MSX1/ | Pitx3/Pitx2/Pitx1 (ARCH1437_

10: 34 peaks (4.5%)
Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633_M02161_2.00) | Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOX (ARCH895_Foxn4/Fo | FoxA (ARCH1291_Fox:Ebox)

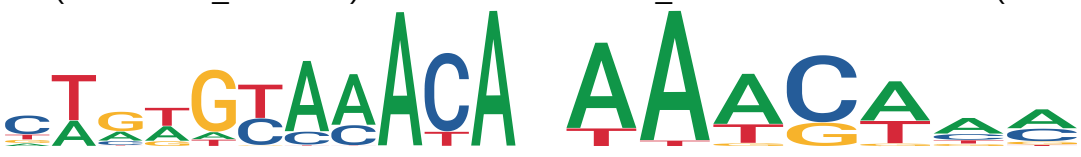
11: 19 peaks (2.5%)
HMGbox_Sox.HG1.37:like:SSRP1 (ARCH1177_/Sox4/Sox11_Sox13/...) | Homeodomains.HG1.47:like:MSX1/ | Pitx3/Pitx2/Pitx1 (ARCH1437_)



12: 11 peaks (1.5%)
FoxA (ARCH1291_Fox:Ebox) | Gbx1/Gbx2 | Homeodomains.HG1.47:like:MSX1/ | Pitx3/Pitx2/Pitx1 (ARCH1437_)

13: 11 peaks (1.5%)
Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633_M02161_2.00) | HMGbox_Sox.HG1.37:like:SSRP1 (ARCH1177_/Sox4/Sox | Homeodomains.HG1.47:like:M | Pitx3/Pitx2/Pitx1 (ARCH1437_

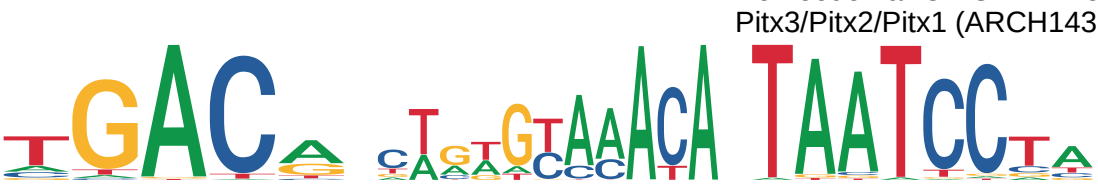
14: 9 peaks (1.2%)
FoxA (ARCH1291_Fox:Ebox) | HMGbox_Sox.HG1.37:like:SSRP1 (ARCH11



15: 8 peaks (1.1%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOX (ARCH895_Foxn4/Foxn1) | HMGbox_Sox.HG1.37:like:SSRP1 (ARCH1177_/Sox4/Sox | Homeodomains.HG1.47:like:M | Pitx3/Pitx2/Pitx1 (ARCH1437_

16: 6 peaks (0.8%)
Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633_M02161_2.00) | FoxA (ARCH1291_Fox:Ebox) | HMGbox_Sox.HG1.37:like:SS

17: 6 peaks (0.8%)
Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633_M02161_2.00) | FoxA (ARCH1291_Fox:Ebox) | Gbx1/Gbx2 | Homeodomains.HG1.47:like:M | Pitx3/Pitx2/Pitx1 (ARCH1437_



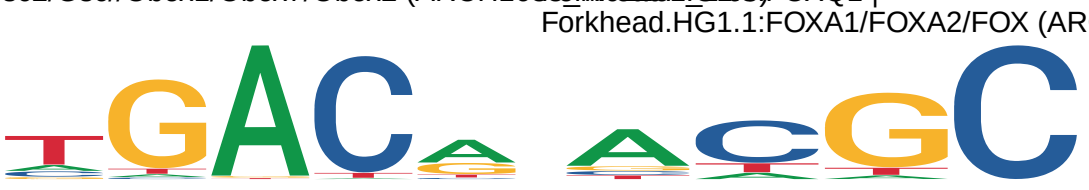
18: 6 peaks (0.8%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOX (ARCH895_Foxn4/Foxn1) | FoxA (ARCH1291_Fox:Ebox) | Gbx1/Gbx2 | Homeodomains.HG1.47:like:M | Pitx3/Pitx2/Pitx1 (ARCH1437_

19: 6 peaks (0.8%)
Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633_M02161_2.00) | Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOX (ARCH895_Foxn4/Foxn1) | HMGbox_Sox.HG1.37:like:SSRP1 (ARCH11 | Homeodomains.HG1.47 | Pitx3/Pitx2/Pitx1 (ARCH

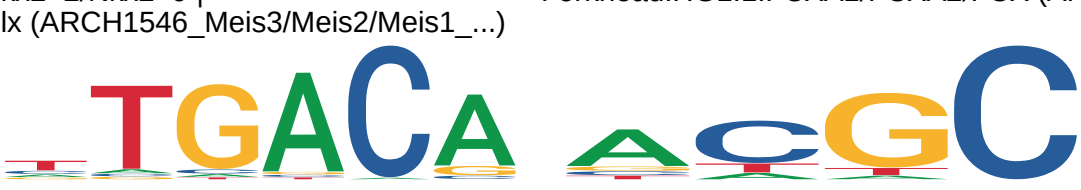
20: 5 peaks (0.7%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOX (ARCH895_Foxn4/Foxn1) | FoxA (ARCH1291_Fox:Ebox) | HMGbox_Sox.HG1.37:like:SS

digestive_filaments_2

1: 196 peaks (30.0%)
Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633_M02161_2.00) | Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOX (ARCH



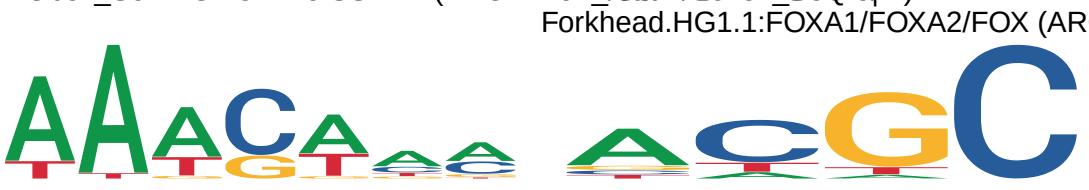
2: 174 peaks (26.6%)
Homeodomains.HG1.53:MNX1 | Nkx2−2/Nkx2−9 | Hlx (ARCH1546_Meis3/Meis2/Meis1_...) | Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOX (ARCH



3: 99 peaks (15.1%)
Homeodomains.HG1.53:MNX1 | Nkx2−2/Nkx2−9 | Hlx (ARCH1546_Meis3/Meis2/Meis1_...) | Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633

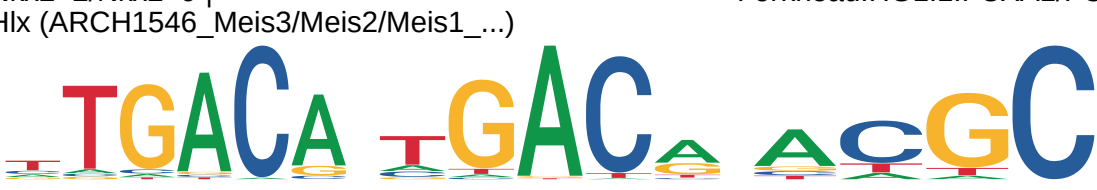
4: 91 peaks (13.9%)
FoxA (ARCH1291_Fox:Ebox) | Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOX (ARCH

5: 90 peaks (13.8%)
HMGbox_Sox.HG1.37:like:SSRP1 (ARCH1177_Sox4/Sox11/Sox13/...) | Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOX (ARCH



6: 84 peaks (12.8%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOX (ARCH895_Foxn4/Foxn1) | Pbx4/Pbx2/Pbx1 | Homeodomains.HG1.37:NKX6−1/NKX (ARC

7: 74 peaks (11.3%)
Homeodomains.HG1.53:MNX1 | Nkx2−2/Nkx2−9 | Hlx (ARCH1546_Meis3/Meis2/Meis1_...) | Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633_M02161_2.00) | Fox2 (ARCH1633_M02161_2.0 Forkhead.HG1.1:FOXA1/FOXA



8: 68 peaks (10.4%)
Six4/5 | Hnf1a/Hnf1b (ARCH1503_Meis3/Meis2/Meis1_...) | Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOX (ARCH

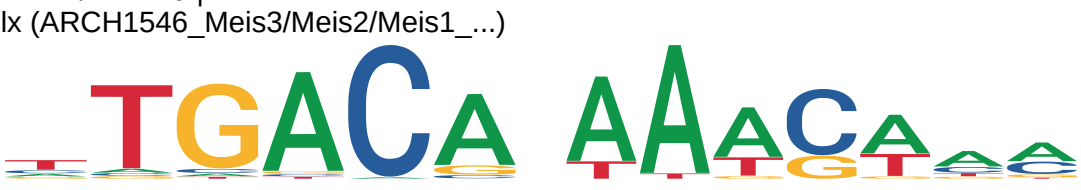
9: 64 peaks (9.8%)
Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633_M02161_2.00) | Fox2 (ARCH1291_Fox:Ebox)

10: 62 peaks (9.5%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOX (ARCH895_Foxn4/Foxn1) | Forkhead.HG1.13:like:FOXN1/FOX (ARCH9

11: 54 peaks (8.3%)
Homeodomains.HG1.53:MNX1 | Nkx2−2/Nkx2−9 | Hlx (ARCH1546_Meis3/Meis2/Meis1_...) | FoxA (ARCH1291_Fox:Ebox)

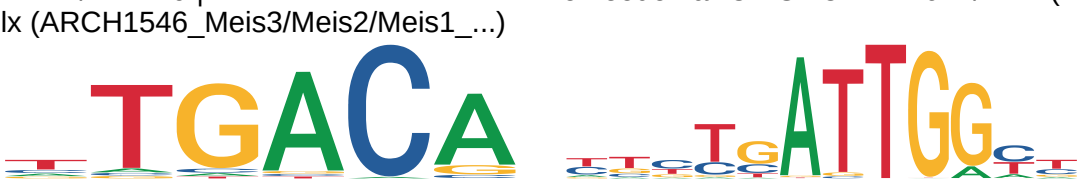
12: 52 peaks (8.0%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOX (ARCH895_Foxn4/Foxn1) | Nkx2−2/Nkx2−9 | Homeodomains.HG1.21:BARX1/BARX | Meis3/Meis2/Meis1 (ARCH1504_Meis3/Meis

13: 51 peaks (7.8%)
Homeodomains.HG1.53:MNX1 | Nkx2−2/Nkx2−9 | Hlx (ARCH1546_Meis3/Meis2/Meis1_...) | HMGbox_Sox.HG1.37:like:SSRP1 (ARCH11



14: 49 peaks (7.5%)
Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633_M02161_2.00) | Homeodomains.HG1.37:NKX6−1/NKX (ARC

15: 47 peaks (7.2%)
Homeodomains.HG1.53:MNX1 | Nkx2−2/Nkx2−9 | Hlx (ARCH1546_Meis3/Meis2/Meis1_...) | Pbx4/Pbx2/Pbx1 | Homeodomains.HG1.37:NKX6−1/NKX (ARC

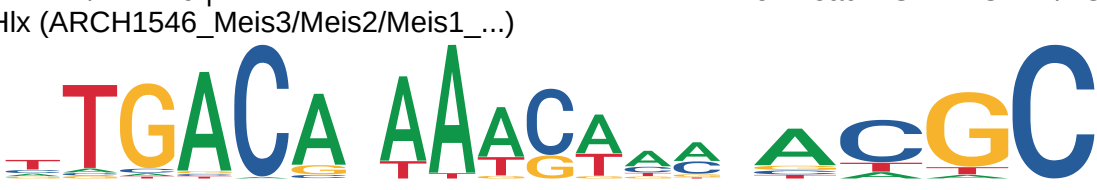


16: 44 peaks (6.7%)
Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633_M02161_2.00) | HMGbox_Sox.HG1.37:like:SSRP1 (ARCH11

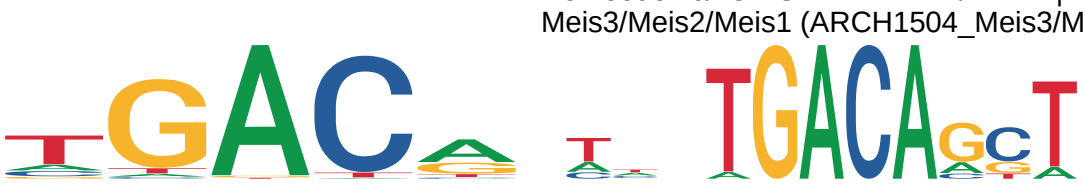
17: 43 peaks (6.6%)
Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633_M02161_2.00) | Six4/5 | Hnf1a/Hnf1b (ARCH1503_Meis3/Meis2/Meis

18: 43 peaks (6.6%)
Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633_M02161_2.00) | Fox2 (ARCH1291_Fox:Ebox) | Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA

19: 38 peaks (5.8%)
Homeodomains.HG1.53:MNX1 | Nkx2−2/Nkx2−9 | Hlx (ARCH1546_Meis3/Meis2/Meis1_...) | HMGbox_Sox.HG1.37:like:SSRP1 (ARCH1177_Sox4/Sox | Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA

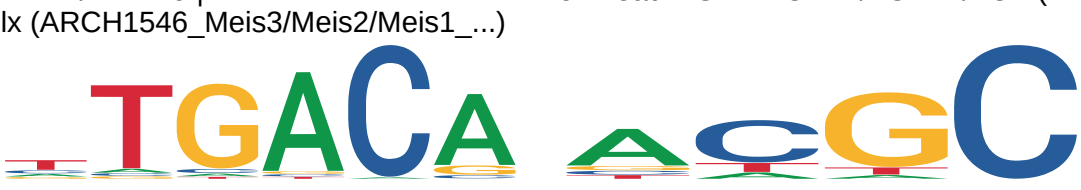


20: 37 peaks (5.7%)
Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633_M02161_2.00) | Nkx2−2/Nkx2−9 | Homeodomains.HG1.21:BARX1/BARX | Meis3/Meis2/Meis1 (ARCH1504_Meis3/Meis



digestive_filaments_3

1: 181 peaks (22.9%)
Homeodomains.HG1.53:MNX1 | Nkx2−2/Nkx2−9 | Hlx (ARCH1546_Meis3/Meis2/Meis1_...)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOX (ARCH



2: 152 peaks (19.2%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOX (ARCH895_Foxn4/Foxn1)
Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633

3: 135 peaks (17.0%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOX (ARCH895_Foxn4/Foxn1)
FoxA (ARCH1291_Fox:Ebox)

4: 113 peaks (14.3%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOX (ARCH895_Foxn4/Foxn1)
HMGbox_Sox.HG1.37:like:SSRP1 (ARCH11

5: 95 peaks (12.0%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOX (ARCH895_Foxn4/Foxn1)
Pbx4/Pbx2/Pbx1 | Homeodomains.HG1.37:NKX6−1/NKX (ARC

6: 83 peaks (10.5%)
Homeodomains.HG1.53:MNX1 | Nkx2−2/Nkx2−9 | Hlx (ARCH1546_Meis3/Meis2/Meis1_...)
Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633

7: 81 peaks (10.2%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOX (ARCH895_Foxn4/Foxn1)
Homeodomains.HG2.76:like:DMBX1 (ARCH

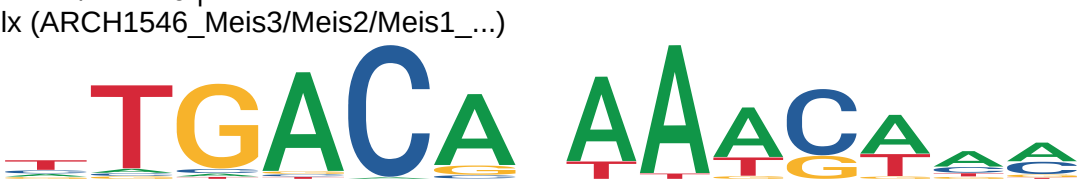
8: 73 peaks (9.2%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOX (ARCH895_Foxn4/Foxn1)
Hlx (ARCH1545_Meis3/Meis2/Meis1_...)

9: 69 peaks (8.7%)
Homeodomains.HG1.53:MNX1 | Nkx2−2/Nkx2−9 | Hlx (ARCH1546_Meis3/Meis2/Meis1_...)
FoxA (ARCH1291_Fox:Ebox)

10: 64 peaks (8.1%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOX (ARCH895_Foxn4/Foxn1)
Forkhead.HG1.13:like:FOXN1/FOX (ARCH9

11: 63 peaks (8.0%)
FoxA (ARCH1291_Fox:Ebox)
Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633

12: 61 peaks (7.7%)
Homeodomains.HG1.53:MNX1 | Nkx2−2/Nkx2−9 | Hlx (ARCH1546_Meis3/Meis2/Meis1_...)
HMGbox_Sox.HG1.37:like:SSRP1 (ARCH11



13: 53 peaks (6.7%)
Homeodomains.HG1.53:MNX1 | Nkx2−2/Nkx2−9 | Hlx (ARCH1546_Meis3/Meis2/Meis1_...)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOX (ARCH895_Foxn4/F
Gsc2/Gsc//Obox1/Obox7/Obo

14: 52 peaks (6.6%)
Homeodomains.HG1.53:MNX1 | Nkx2−2/Nkx2−9 | Hlx (ARCH1546_Meis3/Meis2/Meis1_...)
Pbx4/Pbx2/Pbx1 | Homeodomains.HG1.37:NKX6−1/NKX (ARC

15: 52 peaks (6.6%)
Homeodomains.HG1.53:MNX1 | Nkx2−2/Nkx2−9 | Hlx (ARCH1546_Meis3/Meis2/Meis1_...)
Homeodomains.HG2.76:like:DMBX1 (ARCH

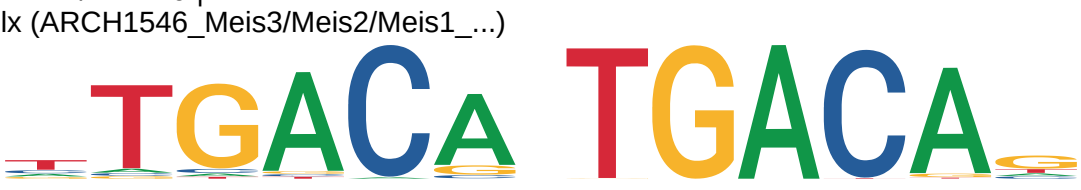
16: 52 peaks (6.6%)
HMGbox_Sox.HG1.37:like:SSRP1 (ARCH1677
Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633

17: 50 peaks (6.3%)
Homeodomains.HG1.53:MNX1 | Nkx2−2/Nkx2−9 | Hlx (ARCH1546_Meis3/Meis2/Meis1_...)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOX (ARCH895_Foxn4/F
FoxA (ARCH1291_Fox:Ebox)

18: 42 peaks (5.3%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOX (ARCH895_Foxn4/Foxn1)
FoxA (ARCH1291_Fox:Ebox)
Gsc2/Gsc//Obox1/Obox7/Obo

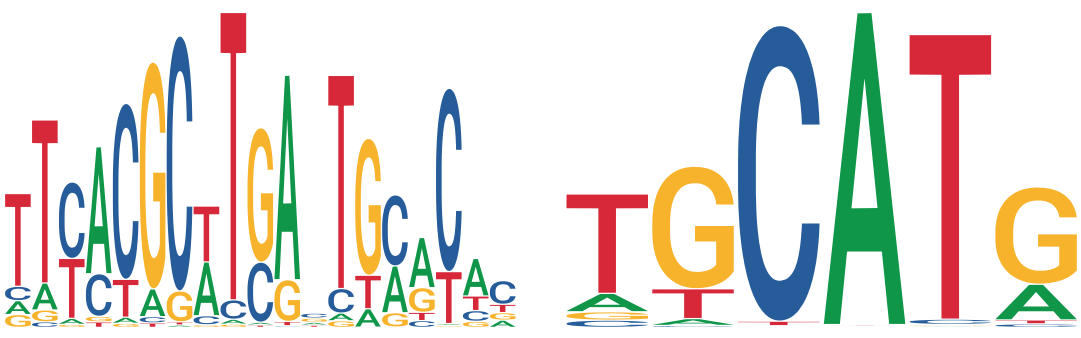
19: 39 peaks (4.9%)
Pbx4/Pbx2/Pbx1 | Homeodomains.HG1.37:NKX6−1/NKX (ARCH121_Nfya_Pbx4/Pbx2/Pbx1)
Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633

20: 38 peaks (4.8%)
Homeodomains.HG1.53:MNX1 | Nkx2−2/Nkx2−9 | Hlx (ARCH1546_Meis3/Meis2/Meis1_...)
Hlx (ARCH1545_Meis3/Meis2/Meis1_...)



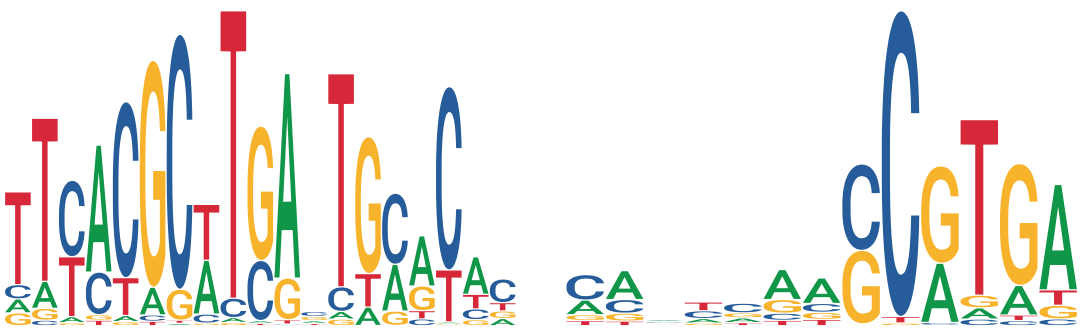
epidermis_1

1: 26 peaks (3.4%)
Pax7/Pax3 | PAX3/7 | Pax5/Pax8/Pax2 (ARCH873_Pax5/Pax8/Pax2)
Forkhead.HG1.31:like:FOXO1/FOX | FoxQ2d (ARCH1397_RBFox2__OCT:OCT−s



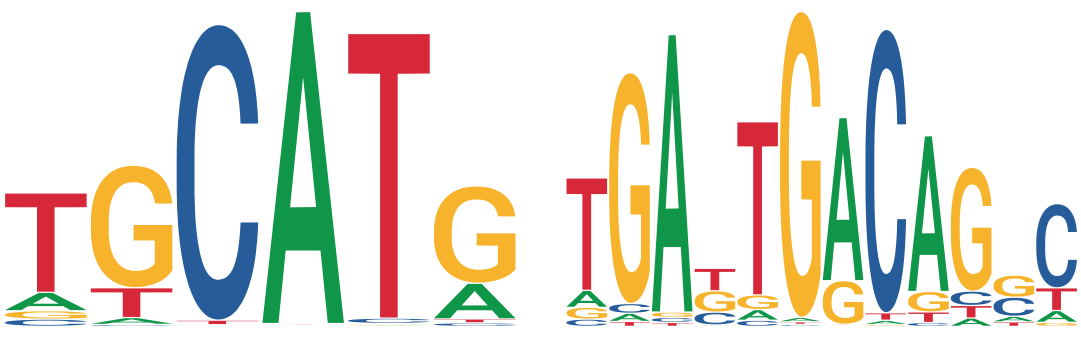
2: 18 peaks (2.3%)
Pax7/Pax3 | PAX3/7 | Pax5/Pax8/Pax2 (ARCH873_Pax5/Pax8/Pax2)
Nkx−2.2a | Tgif1/Tgif2 (ARCH1502_Meis3/Meis2/Meis1_

3: 17 peaks (2.2%)
Pax7/Pax3 | PAX3/7 | Pax5/Pax8/Pax2 (ARCH873_Pax5/Pax8/Pax2)
Shox2 | Homeodomains.HG2.70:ARX | Dlx4/Dlx1/Dlx3/Dlx6/Dlx2/Dlx5 (ARCH1236_



4: 17 peaks (2.2%)
Shox2 | Homeodomains.HG2.70:ARX | Dlx4/Dlx1/Dlx3/Dlx6/Dlx2/Dlx5 (ARCH1236_M06436_2.00)
Forkhead.HG1.31:like:FOXO1/FOX | FoxQ2d (ARCH1397_RBFox2__OCT:OCT−s

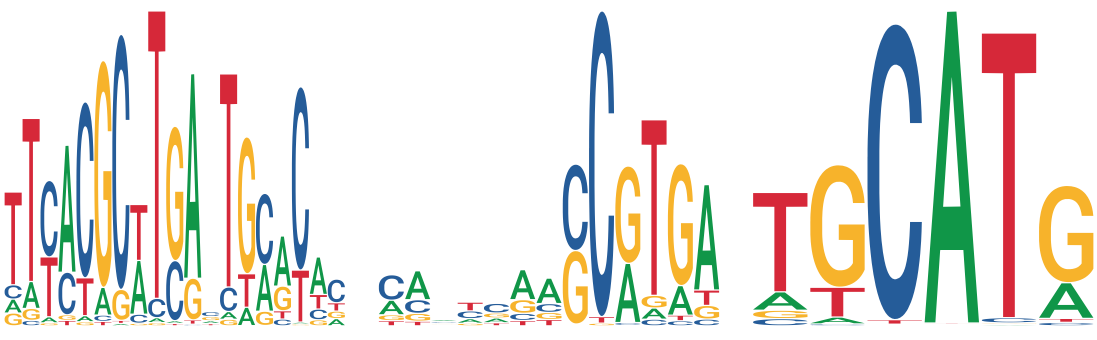
5: 13 peaks (1.7%)
Forkhead.HG1.31:like:FOXO1/FOX | FoxQ2d (ARCH1397_RBFox2__OCT:OCT−s
Nkx−2.2a | Tgif1/Tgif2 (ARCH1502_Meis3/Meis2/Meis1_



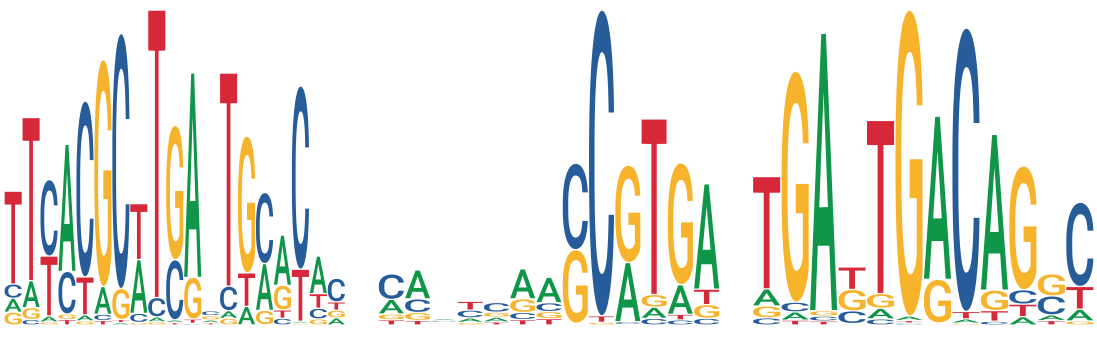
6: 5 peaks (0.6%)
Shox2 | Homeodomains.HG2.70:ARX | Dlx4/Dlx1/Dlx3/Dlx6/Dlx2/Dlx5 (ARCH1236_M06436_2.00)
Nkx−2.2a | Tgif1/Tgif2 (ARCH1502_Meis3/Meis2/Meis1_

7: 3 peaks (0.4%)
Pax7/Pax3 | PAX3/7 | Pax5/Pax8/Pax2 (ARCH873_Pax5/Pax8/Pax2)
Forkhead.HG1.31:like:FOXO1/FOX | FoxQ2d (ARCH1397_RBFox2__OCT:OCT−s
Nkx−2.2a | Tgif1/Tgif2 (ARCH1502_Meis3

8: 2 peaks (0.3%)
Pax7/Pax3 | PAX3/7 | Pax5/Pax8/Pax2 (ARCH873_Pax5/Pax8/Pax2)
Shox2 | Homeodomains.HG2.70:ARX | Dlx4/Dlx1/Dlx3/Dlx6/Dlx2/Dlx5 (ARCH1236_M06436_2.00)
Forkhead.HG1.31:like:FOXO1 FoxQ2d (ARCH1397_RBFox2

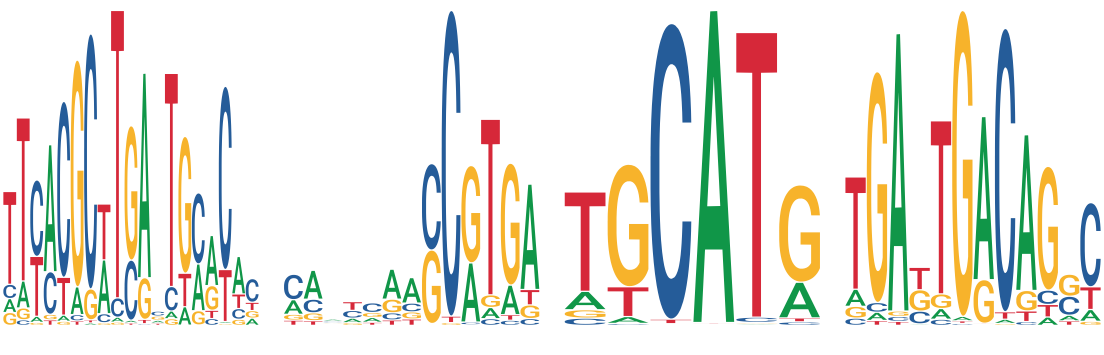


9: 2 peaks (0.3%)
Pax7/Pax3 | PAX3/7 | Pax5/Pax8/Pax2 (ARCH873_Pax5/Pax8/Pax2)
Shox2 | Homeodomains.HG2.70:ARX | Dlx4/Dlx1/Dlx3/Dlx6/Dlx2/Dlx5 (ARCH1236_M06436_2.00)
Nkx−2.2a | Tgif1/Tgif2 (ARCH1502_Meis3



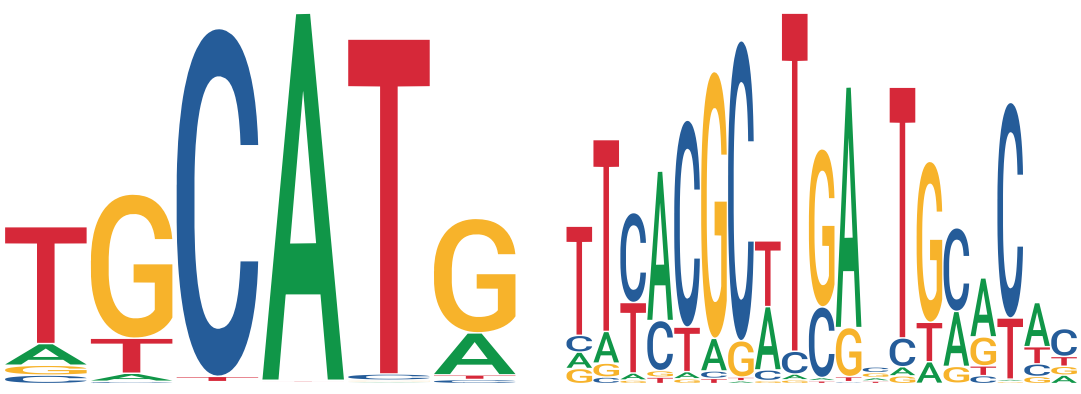
10: 1 peaks (0.1%)
Shox2 | Homeodomains.HG2.70:ARX | Dlx4/Dlx1/Dlx3/Dlx6/Dlx2/Dlx5 (ARCH1236_M06436_2.00)
Forkhead.HG1.31:like:FOXO1/FOX | FoxQ2d (ARCH1397_RBFox2__OCT:OCT−s
Nkx−2.2a | Tgif1/Tgif2 (ARCH1502_Meis3

11: 1 peaks (0.1%)
Pax7/Pax3 | PAX3/7 | Pax5/Pax8/Pax2 (ARCH873_Pax5/Pax8/Pax2)
Shox2 | Homeodomains.HG2.70:ARX | Dlx4/Dlx1/Dlx3/Dlx6/Dlx2/Dlx5 (ARCH1236_M06436_2.00)
Forkhead.HG1.31:like:FOXO1/FOX | FoxQ2d (ARCH1397_RBFox2__OCT:OCT−s
Nkx−2.2a | Tgif1/Tgif2 (ARCH1502

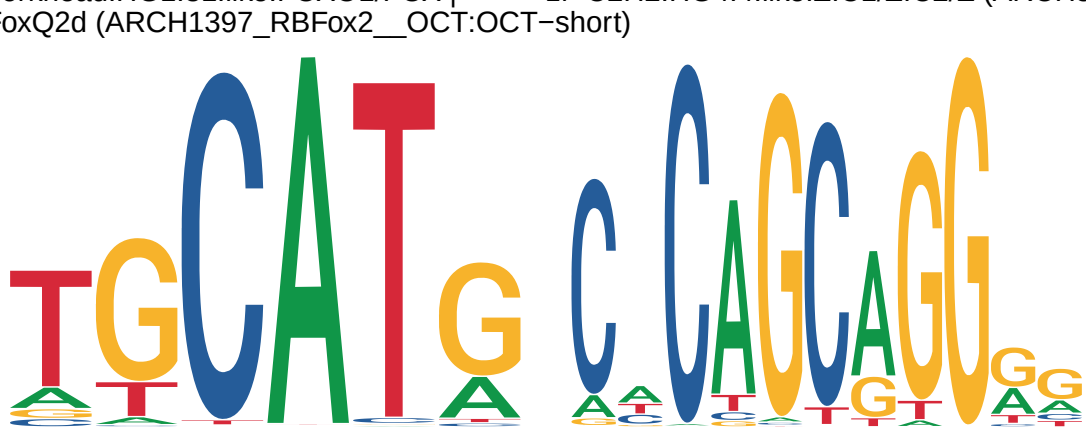


epidermis_2

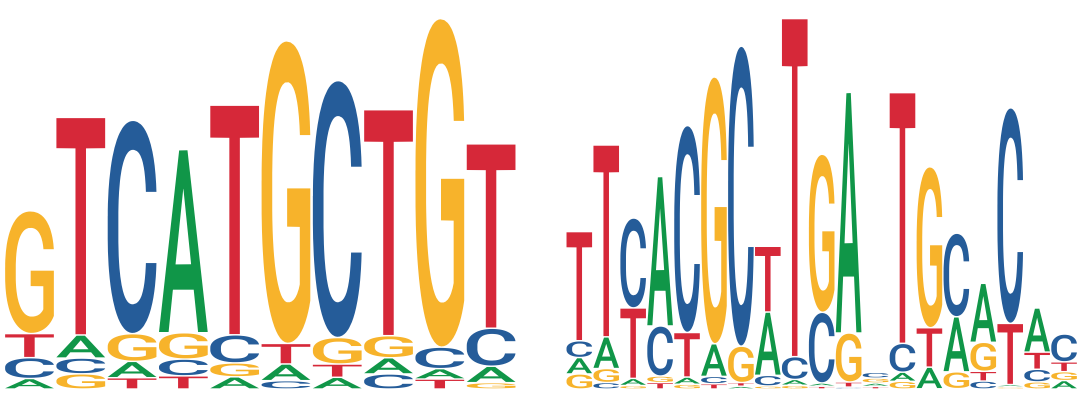
1: 52 peaks (2.4%)
Forkhead.HG1.31:like:FOXO1/FOX | FoxQ2d (ARCH1397_RBFox2__OCT:OCT−short)
Pax7/Pax3 | PAX3/7 | Pax5/Pax8/Pax2 (ARCH873_Pax5/Pax8/Pax



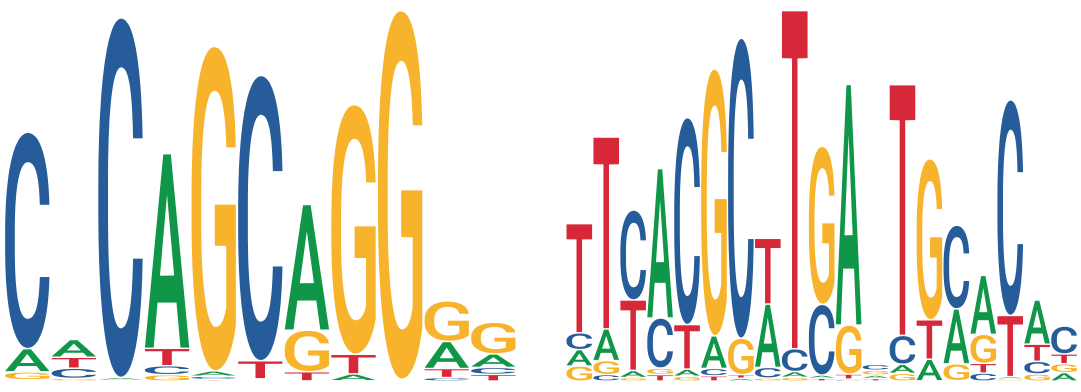
2: 43 peaks (2.0%)
Forkhead.HG1.31:like:FOXO1/FOX | FoxQ2d (ARCH1397_RBFox2__OCT:OCT−short)
zf−C2H2.HG4.4:like:ZIC1/ZIC2/Z (ARCH521



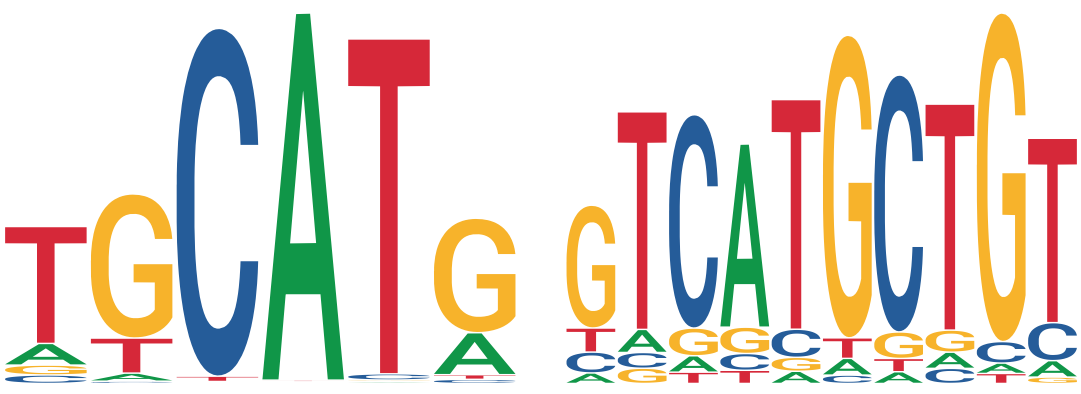
3: 39 peaks (1.8%)
Zfp239//Gm6020/Zfp51/Zfp553 (ARCH804_PB0207.1_Zic3_2)
Pax7/Pax3 | PAX3/7 | Pax5/Pax8/Pax2 (ARCH873_Pax5/Pax8/Pax



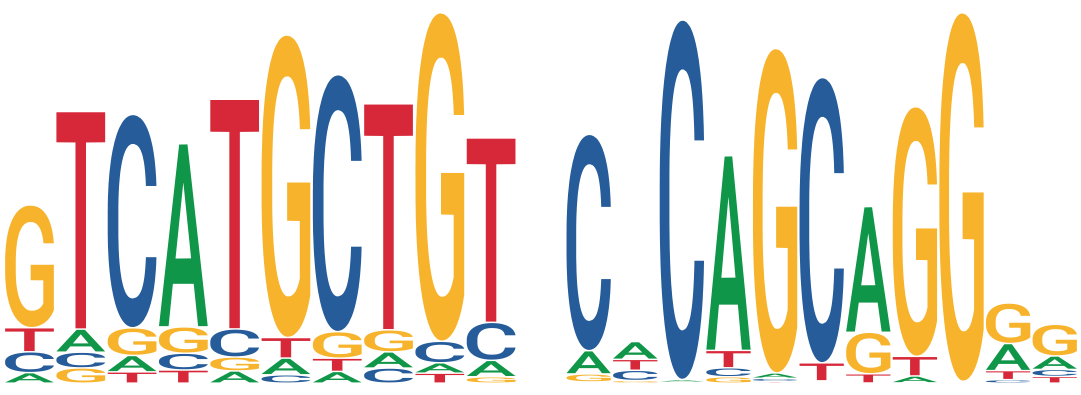
4: 33 peaks (1.5%)
zf−C2H2.HG4.4:like:ZIC1/ZIC2/Z (ARCH521_Zic2__Unknown−ESC−e...)
Pax7/Pax3 | PAX3/7 | Pax5/Pax8/Pax2 (ARCH873_Pax5/Pax8/Pax



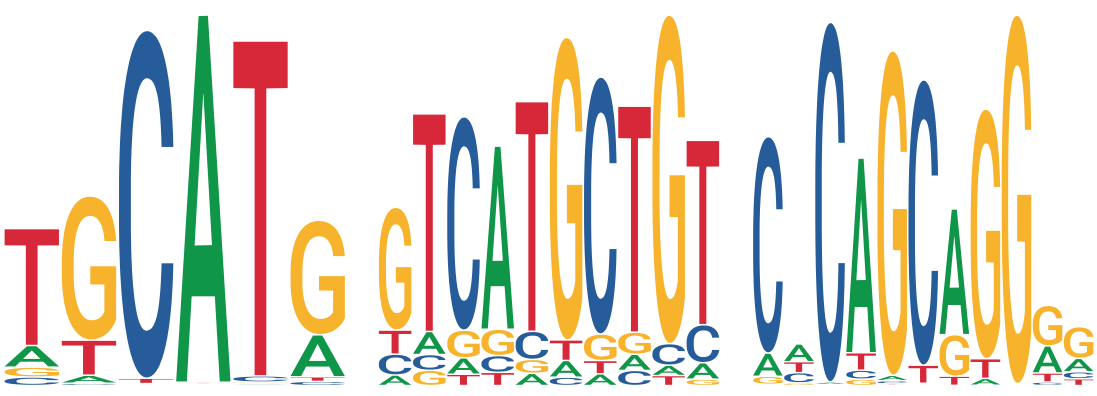
5: 27 peaks (1.2%)
Forkhead.HG1.31:like:FOXO1/FOX | FoxQ2d (ARCH1397_RBFox2__OCT:OCT−short)
Zfp239//Gm6020/Zfp51/Zfp553 (ARCH804_P



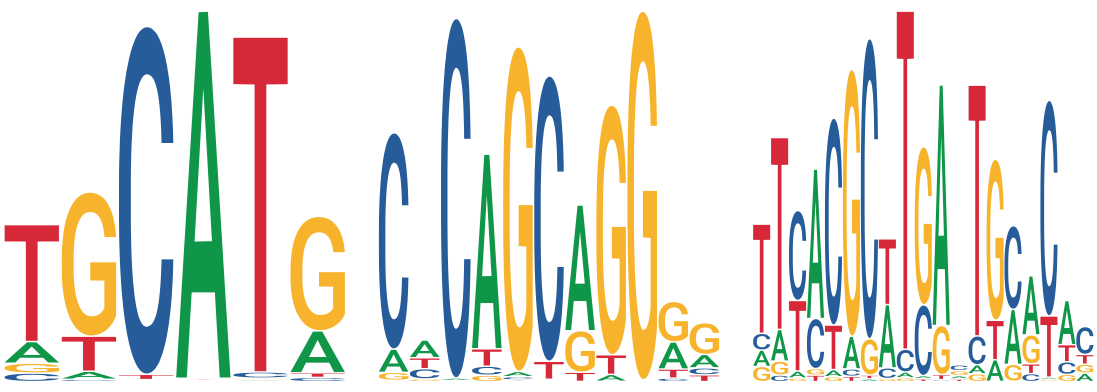
6: 26 peaks (1.2%)
Zfp239//Gm6020/Zfp51/Zfp553 (ARCH804_PB0207.1_Zic3_2)
zf−C2H2.HG4.4:like:ZIC1/ZIC2/Z (ARCH521



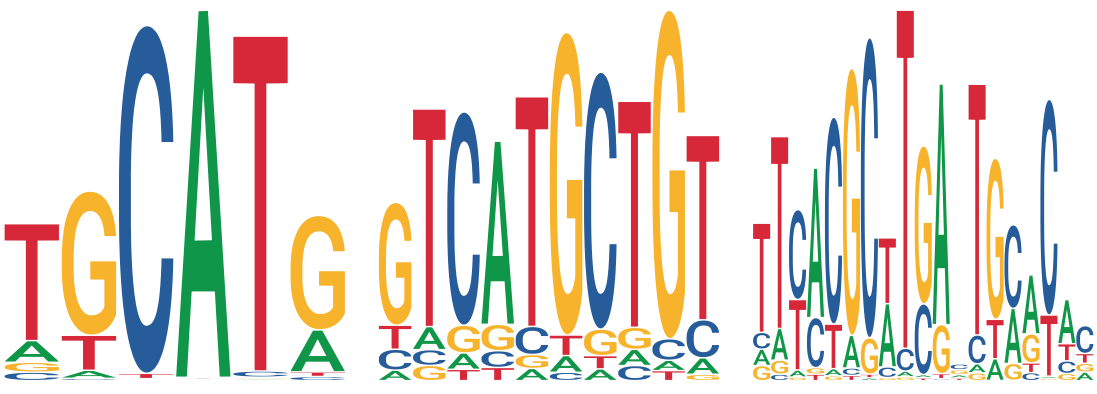
7: 5 peaks (0.2%)
Forkhead.HG1.31:like:FOXO1/FOX | FoxQ2d (ARCH1397_RBFox2__OCT:OCT−short)
Zfp239//Gm6020/Zfp51/Zfp553 (ARCH804_PB0207.1_Zic3



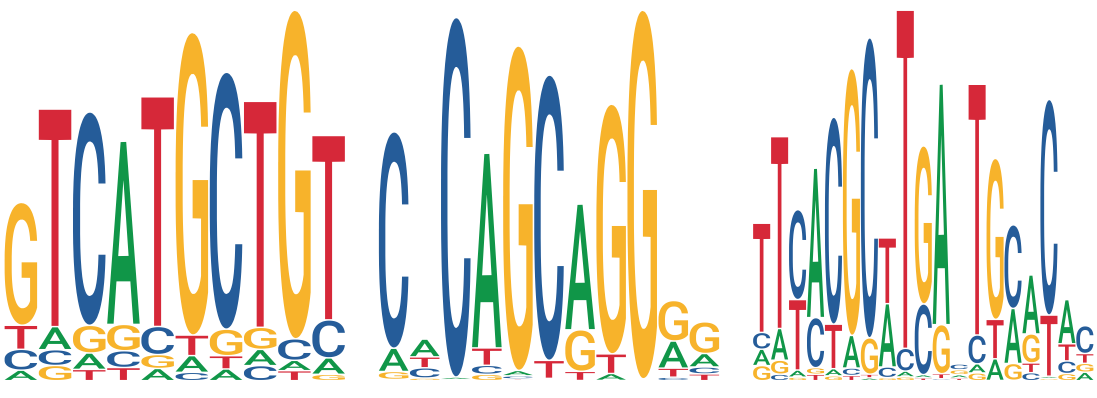
8: 5 peaks (0.2%)
Forkhead.HG1.31:like:FOXO1/FOX | FoxQ2d (ARCH1397_RBFox2__OCT:OCT−short)
zf−C2H2.HG4.4:like:ZIC1/ZIC2/Z (ARCH521_Zic2__Unknc
Pax7/Pax3 | PAX3/7 | Pax5/Pax8/Pax2 (ARCH873_P



9: 4 peaks (0.2%)
Forkhead.HG1.31:like:FOXO1/FOX | FoxQ2d (ARCH1397_RBFox2__OCT:OCT−short)
Zfp239//Gm6020/Zfp51/Zfp553 (ARCH804_PB0207.1_Zic3
Pax7/Pax3 | PAX3/7 | Pax5/Pax8/Pax2 (ARCH873_P

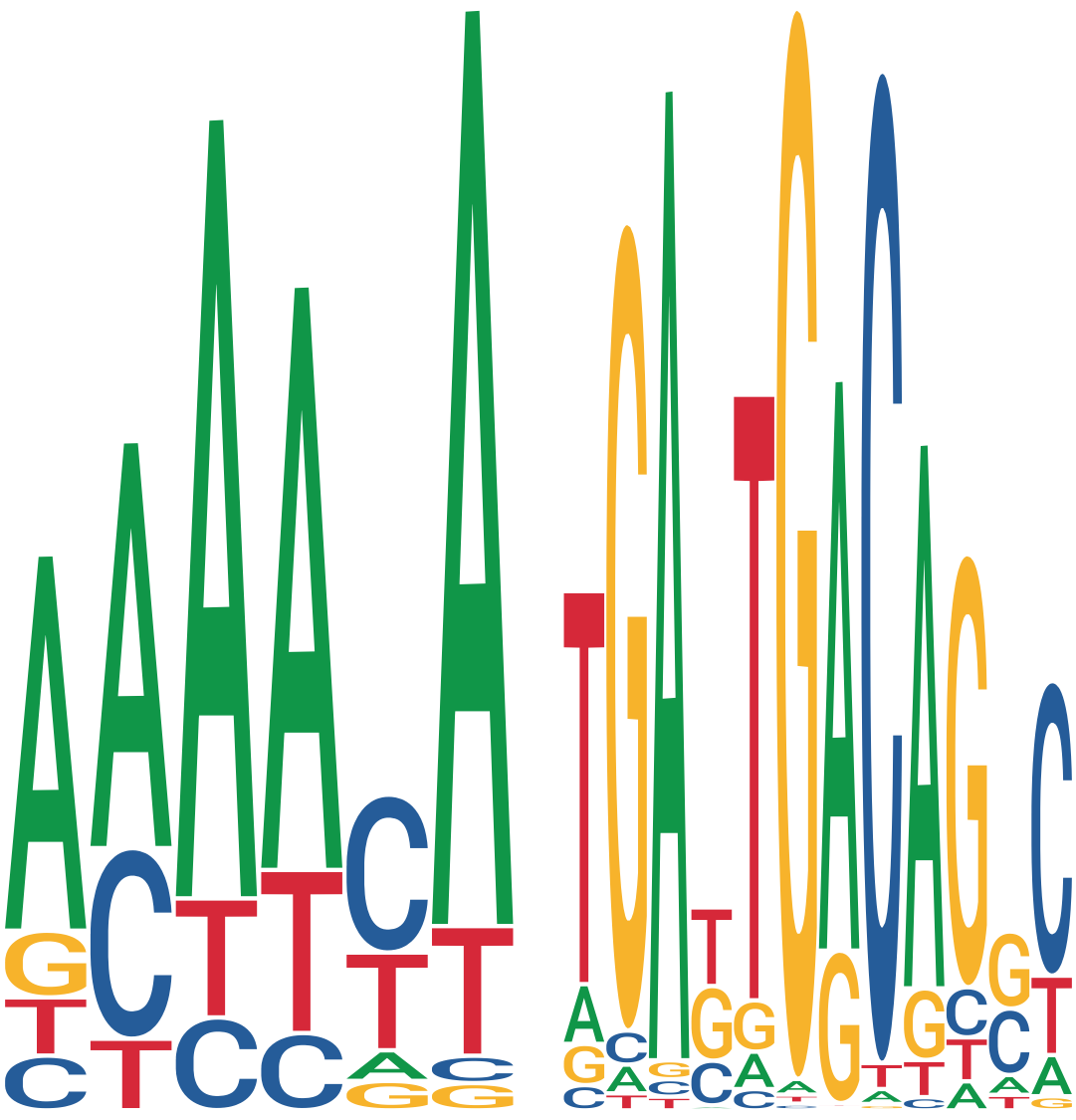


10: 2 peaks (0.1%)
Zfp239//Gm6020/Zfp51/Zfp553 (ARCH804_PB0207.1_Zic3
zf−C2H2.HG4.4:like:ZIC1/ZIC2/Z (ARCH521_Zic2__Unknc
Pax7/Pax3 | PAX3/7 | Pax5/Pax8/Pax2 (ARCH873_P

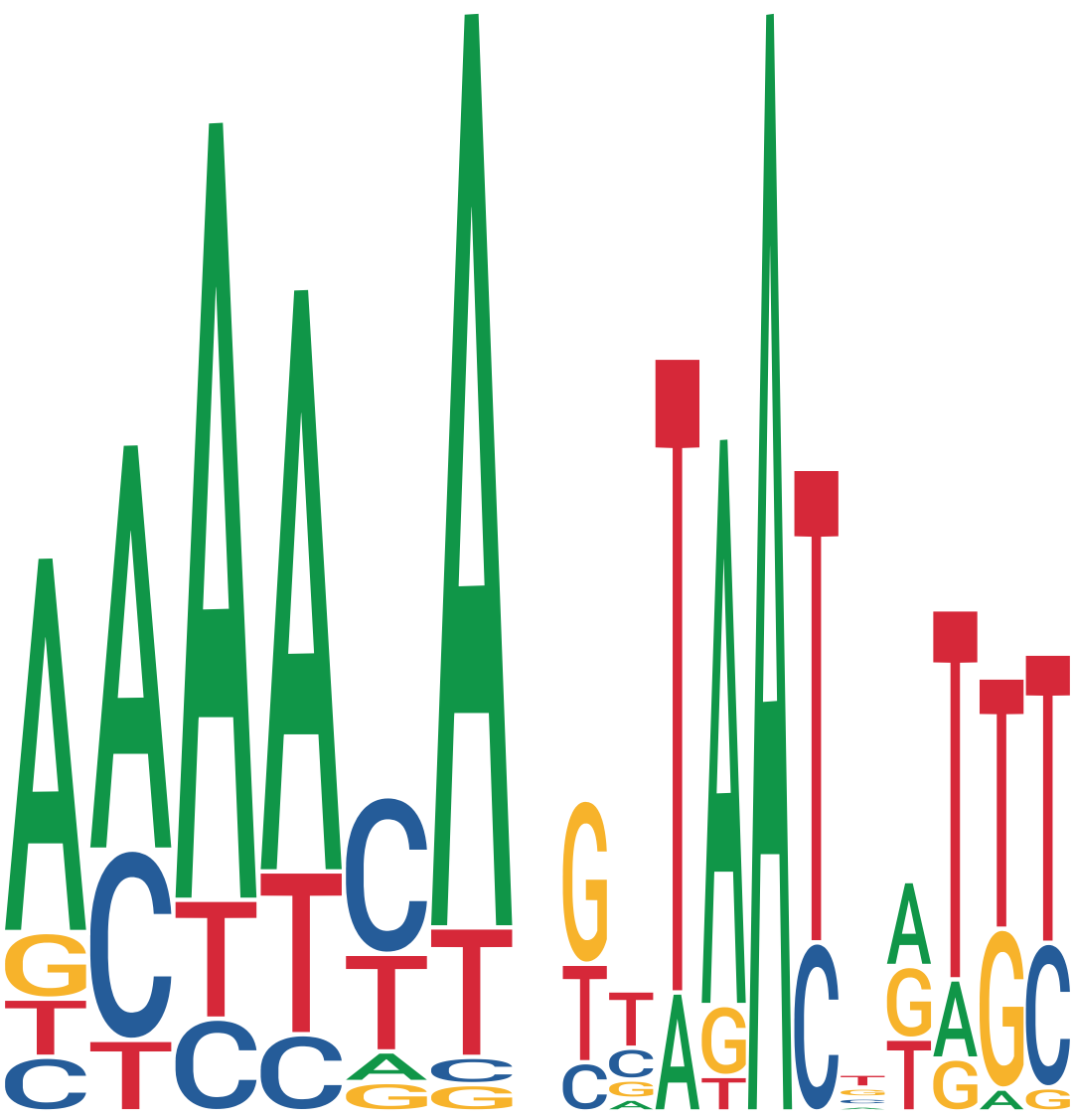


precursors_PGC

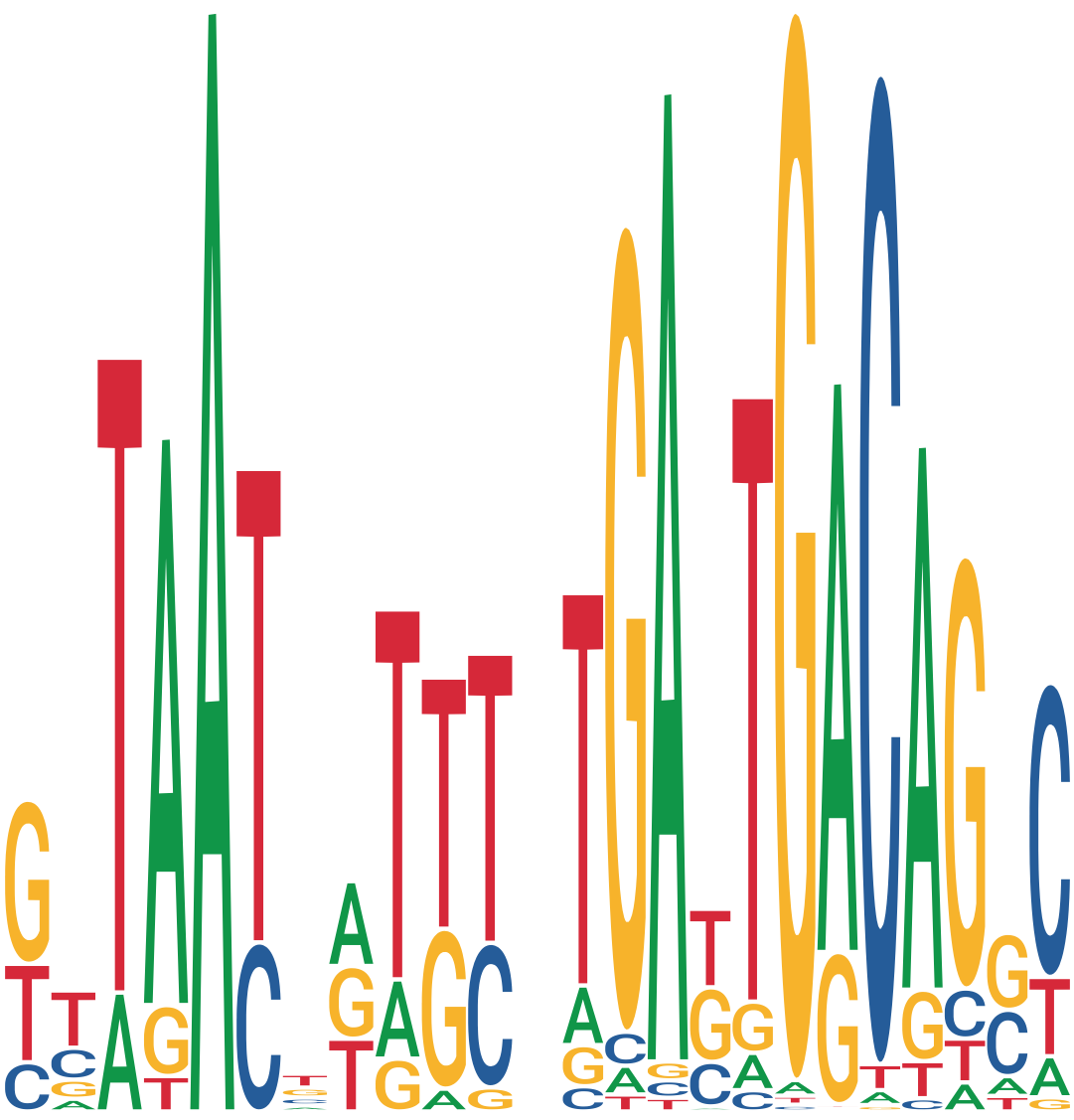
1: 17 peaks (5.5%)
FoxL2 | Nkx−2.2a |
FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_...) Tgif1/Tgif2 (ARCH1502_Meis3/Meis2/Meis1_...)



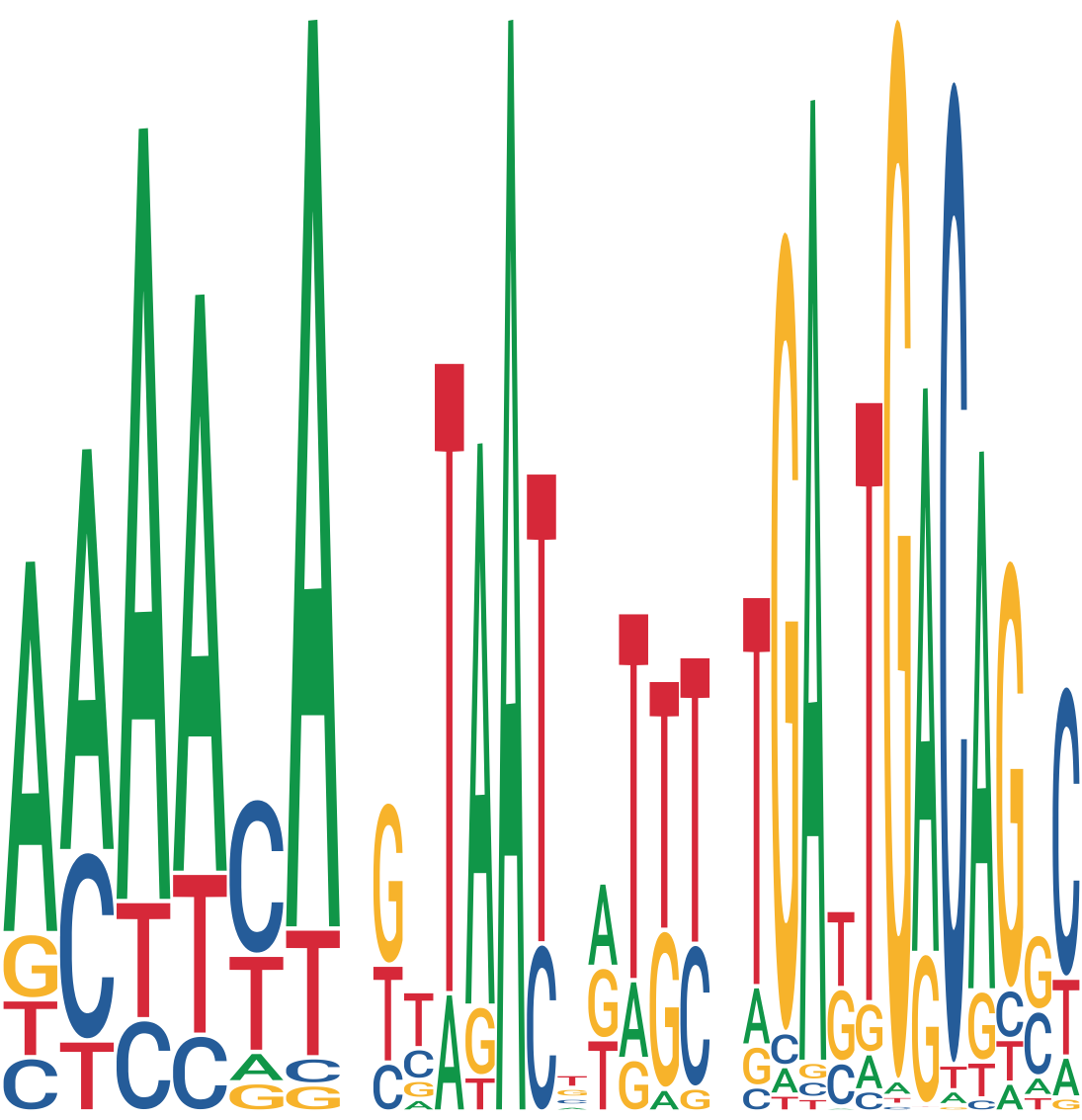
2: 10 peaks (3.3%)
FoxL2 | Rhox7a/Rhox7b/Prop1/Rhox2e/Rho |
FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_...) Homeodomains.HG2.36:like:AC025 (ARCH4...



3: 3 peaks (1.0%)
Rhox7a/Rhox7b/Prop1/Rhox2e/Rho | Nkx−2.2a |
Homeodomains.HG2.36:like:AC025 (ARCH4... Tgif1/Tgif2 (ARCH1502_Meis3/Meis2/Meis1_...)



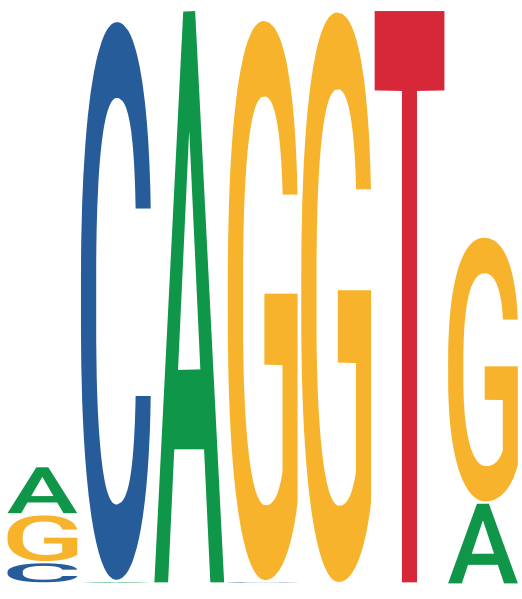
4: 1 peaks (0.3%)
FoxL2 | Rhox7a/Rhox7b/Prop1/Rhox2e/Rho | Nkx−2.2a |
FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_...) Homeodomains.HG2.36:like:AC025 (ARCH4... Tgif1/Tgif2 (ARCH1502_Meis3/Meis2/Meis1_...)



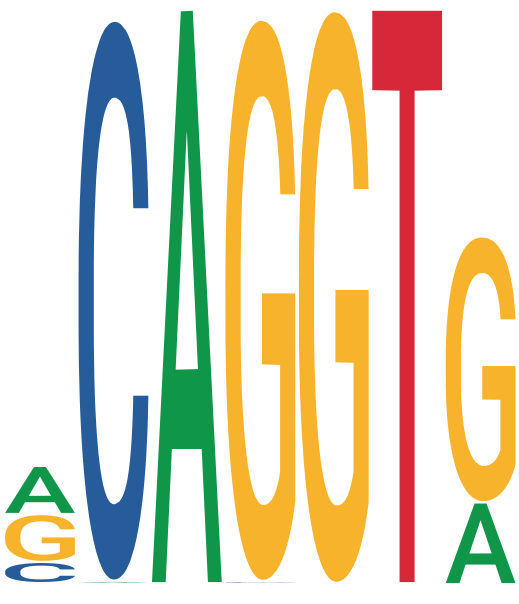
precursors_endoNPC

1: 9 peaks (5.3%)
Atoh8 | Srebf2/Srebf1 (ARCH749_Ptf1a)

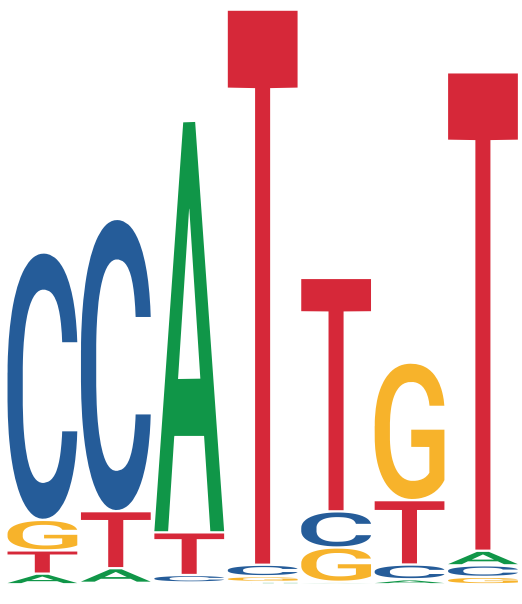
BHMG1 | HLH.HG1.29:MYC/MYCL/MYCN | Sohlh2 (ARCH867_ZEB1__PL0011.1_hlh−..



2: 6 peaks (3.5%)
BHMG1 | HLH.HG1.29:MYC/MYCL/MYCN | Sohlh2 (ARCH867_ZEB1__PL0011.1_hlh−...)

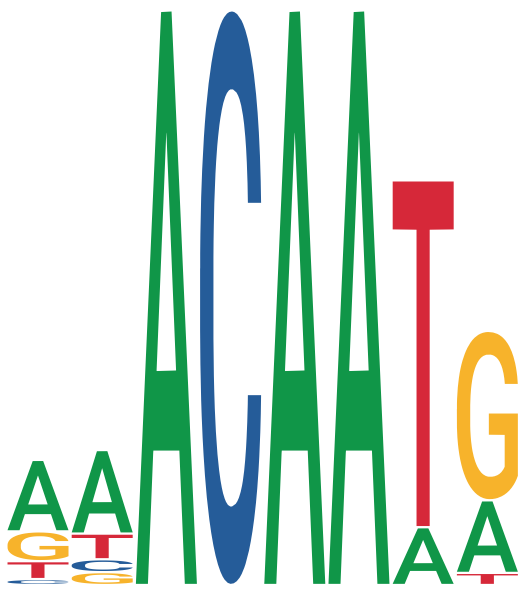


NvSox2 | NvSoxC (ARCH1170_/Sox4/Sox11_Sox13/..

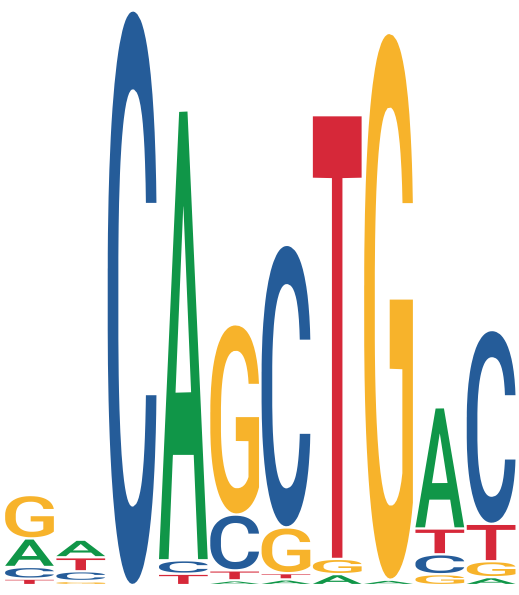


3: 5 peaks (2.9%)
BHMG1 | HLH.HG1.29:MYC/MYCL/MYCN | Sohlh2 (ARCH867_ZEB1__PL0011.1_hlh−...)

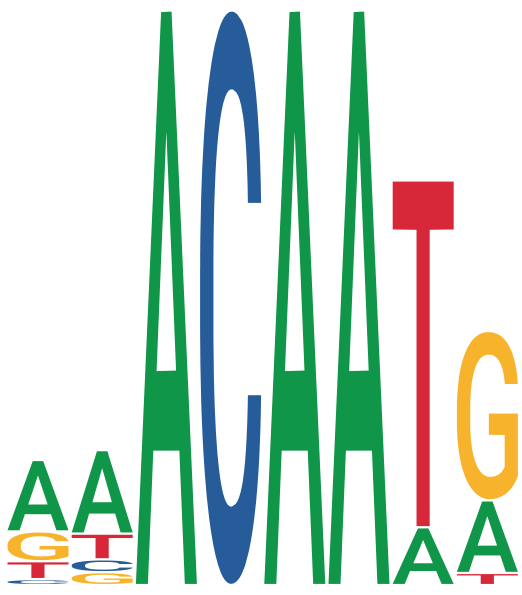
NvSoxB2a (ARCH1174_/Sox4/Sox11_Sox13



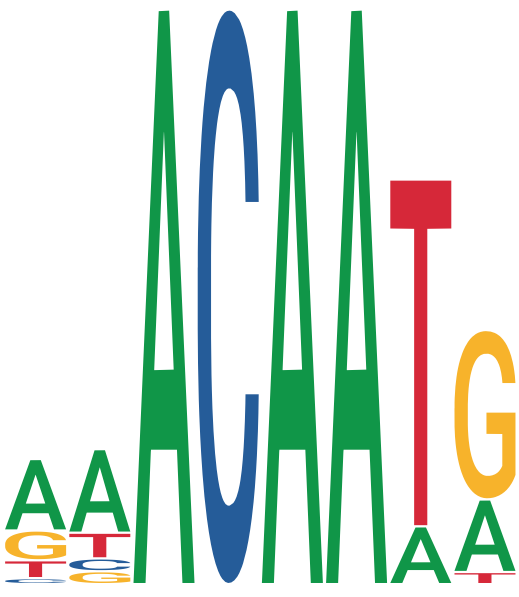
4: 4 peaks (2.4%)
Atoh8 | Srebf2/Srebf1 (ARCH749_Ptf1a)



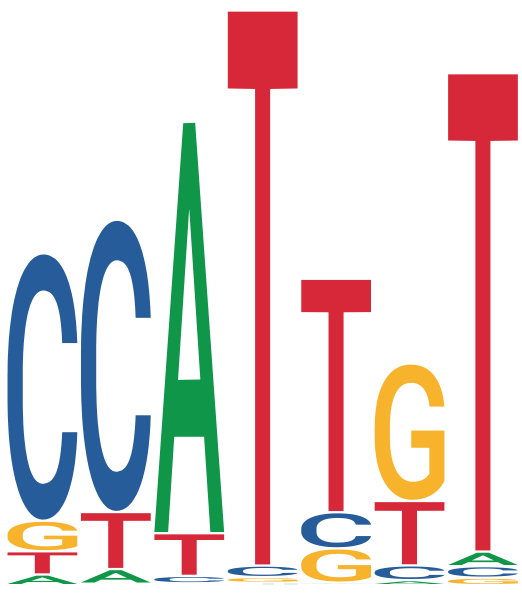
NvSoxB2a (ARCH1174_/Sox4/Sox11_Sox13



5: 4 peaks (2.4%)
NvSoxB2a (ARCH1174_/Sox4/Sox11_Sox13/..

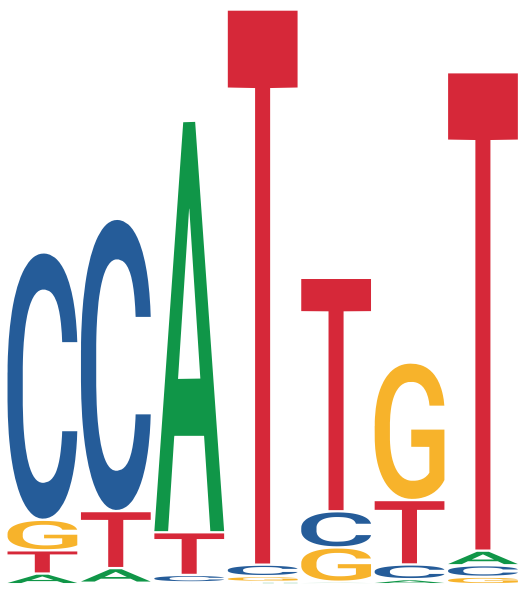


NvSox2 | NvSoxC (ARCH1170_/Sox4/Sox11_Sox13/..

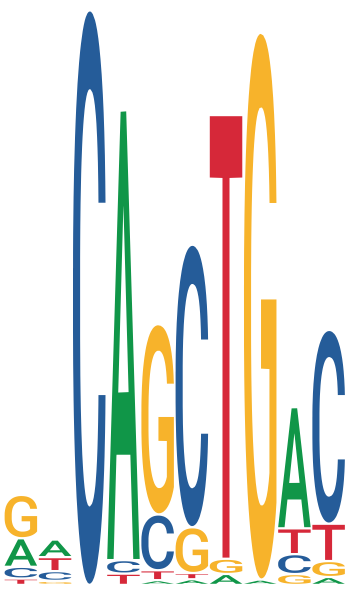


6: 3 peaks (1.8%)
Atoh8 | Srebf2/Srebf1 (ARCH749_Ptf1a)

NvSox2 | NvSoxC (ARCH1170_/Sox4/Sox11_Sox13/..

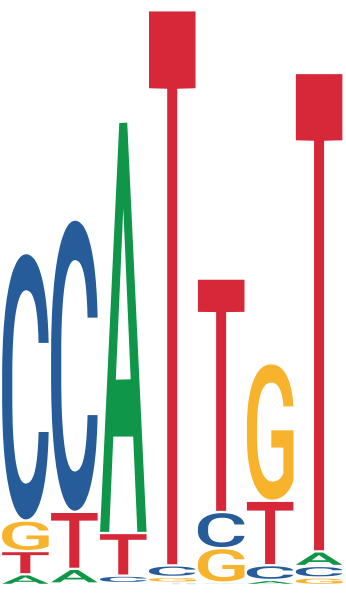


7: 2 peaks (1.2%)
Atoh8 | Srebf2/Srebf1 (ARCH749_Ptf1a)



BHMG1 | HLH.HG1.29:MYC/MYCL/MYCN | Sohlh2 (ARCH867_ZEB1__PL0011.1_hlh−...)

NvSox2 | NvSoxC (ARCH1170_/Sox4/S



precursors_NPC

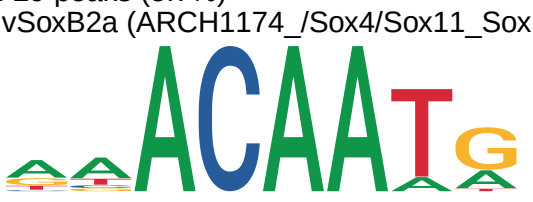
1: 40 peaks (7.8%)
FoxL2 | FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_...)

Max/Ppp5c (ARCH401_Max/Ppp5c_Usf3)

2: 36 peaks (7.0%)
Max/Ppp5c (ARCH401_Max/Ppp5c_Usf3)

Foxn4/Foxn1 (ARCH954_Foxn4/Foxn1)

3: 29 peaks (5.7%)
NvSoxB2a (ARCH1174_/Sox4/Sox11_Sox13/...)



Max/Ppp5c (ARCH401_Max/Ppp5c_Usf3)

4: 28 peaks (5.5%)
FoxL2 | FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_...)

Foxn4/Foxn1 (ARCH954_Foxn4/Foxn1)

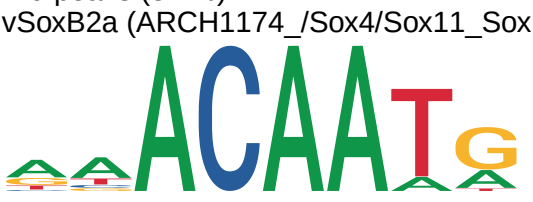
5: 25 peaks (4.9%)
FoxL2 | FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_...)

NvSoxB2a (ARCH1174_/Sox4/Sox11_Sox13

6: 21 peaks (4.1%)
Max/Ppp5c (ARCH401_Max/Ppp5c_Usf3)

zf−C2H2.HG1.35:FEZF1/FEZF2/GFI | Egr3/Egr1 | Insm1 (ARCH530_Snai2)

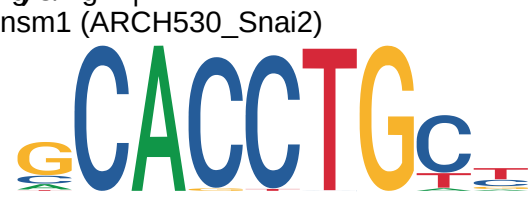
7: 19 peaks (3.7%)
NvSoxB2a (ARCH1174_/Sox4/Sox11_Sox13/...)



Foxn4/Foxn1 (ARCH954_Foxn4/Foxn1)

8: 18 peaks (3.5%)
FoxL2 | FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_...)

zf−C2H2.HG1.35:FEZF1/FEZF2/GFI | Egr3/Egr1 | Insm1 (ARCH530_Snai2)

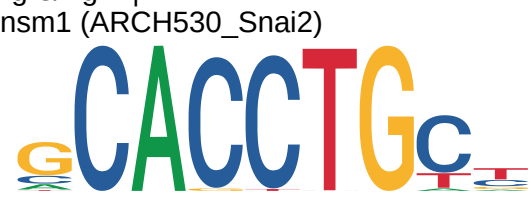


9: 18 peaks (3.5%)
Max/Ppp5c (ARCH401_Max/Ppp5c_Usf3)

NvSox2 | NvSoxC (ARCH1170_/Sox4/Sox11_Sox13/..

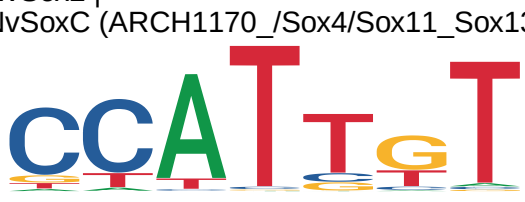
10: 16 peaks (3.1%)
NvSoxB2a (ARCH1174_/Sox4/Sox11_Sox13/...)

zf−C2H2.HG1.35:FEZF1/FEZF2/GFI | Egr3/Egr1 | Insm1 (ARCH530_Snai2)

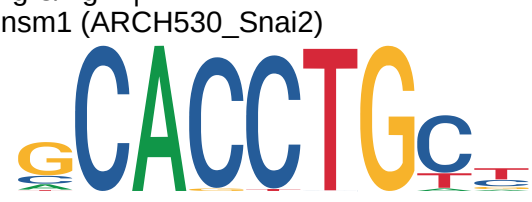


11: 16 peaks (3.1%)
Foxn4/Foxn1 (ARCH954_Foxn4/Foxn1)

NvSox2 | NvSoxC (ARCH1170_/Sox4/Sox11_Sox13/..



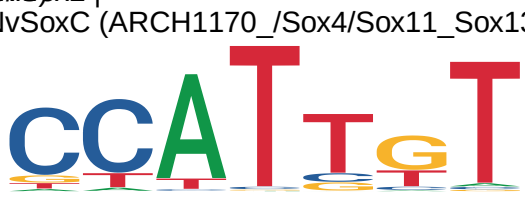
12: 15 peaks (2.9%)
zf−C2H2.HG1.35:FEZF1/FEZF2/GFI | Egr3/Egr1 | Insm1 (ARCH530_Snai2)



Foxn4/Foxn1 (ARCH954_Foxn4/Foxn1)

13: 13 peaks (2.5%)
NvSoxB2a (ARCH1174_/Sox4/Sox11_Sox13/...)

NvSox2 | NvSoxC (ARCH1170_/Sox4/Sox11_Sox13/..



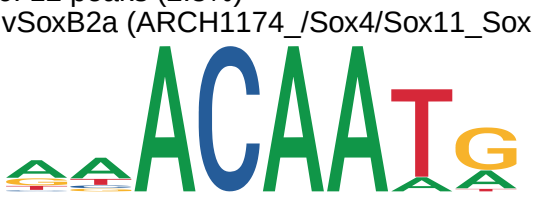
14: 13 peaks (2.5%)
Max/Ppp5c (ARCH401_Max/Ppp5c_Usf3)

zf−C2H2.HG4.4:like:ZIC1/ZIC2/Z (ARCH521

15: 12 peaks (2.3%)
FoxL2 | FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_...)

zf−C2H2.HG4.4:like:ZIC1/ZIC2/Z (ARCH521

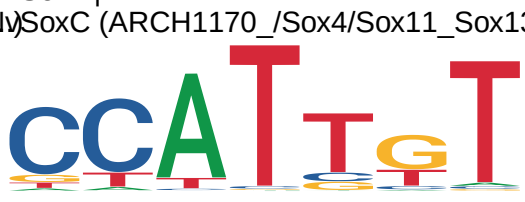
16: 12 peaks (2.3%)
NvSoxB2a (ARCH1174_/Sox4/Sox11_Sox13/...)



zf−C2H2.HG4.4:like:ZIC1/ZIC2/Z (ARCH521

17: 11 peaks (2.2%)
FoxL2 | FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_...)

NvSox2 | NvSoxC (ARCH1170_/Sox4/Sox11_Sox13/..

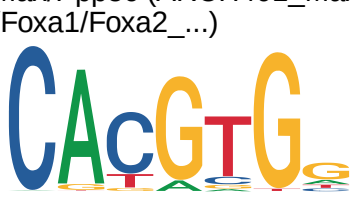


18: 11 peaks (2.2%)
zf−C2H2.HG4.4:like:ZIC1/ZIC2/Z (ARCH521

Foxn4/Foxn1 (ARCH954_Foxn4/Foxn1)

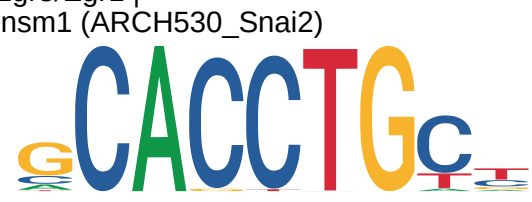
19: 10 peaks (2.0%)
FoxL2 | FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_...)

Max/Ppp5c (ARCH401_Max/Ppp5c_Usf3)



Foxn4/Foxn1 (ARCH954_Foxn4/Foxn1)

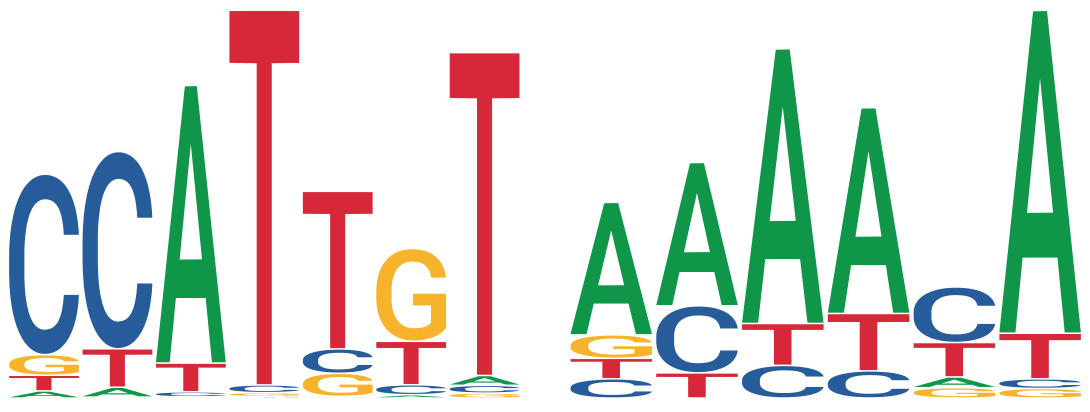
20: 9 peaks (1.8%)
zf−C2H2.HG1.35:FEZF1/FEZF2/GFI | Egr3/Egr1 | Insm1 (ARCH530_Snai2)



NvSox2 | NvSoxC (ARCH1170_/Sox4/Sox11_Sox13/..

NPC_1

1: 452 peaks (3.7%)
NvSox2 | NvSoxC (ARCH1170_/Sox4/Sox11_Sox13/...)
FoxL2 | FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_...)

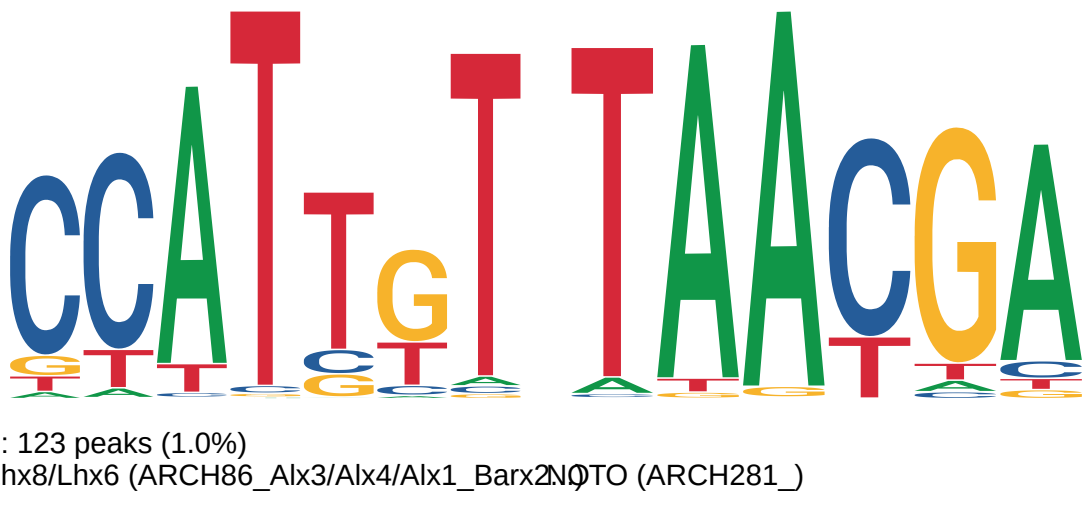


2: 242 peaks (2.0%)
FoxL2 | FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_...)
NOTO (ARCH281_)

3: 240 peaks (2.0%)
Lhx8/Lhx6 (ARCH86_Alx3/Alx4/Alx1_Barx2...)
FoxL2 | FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_...)

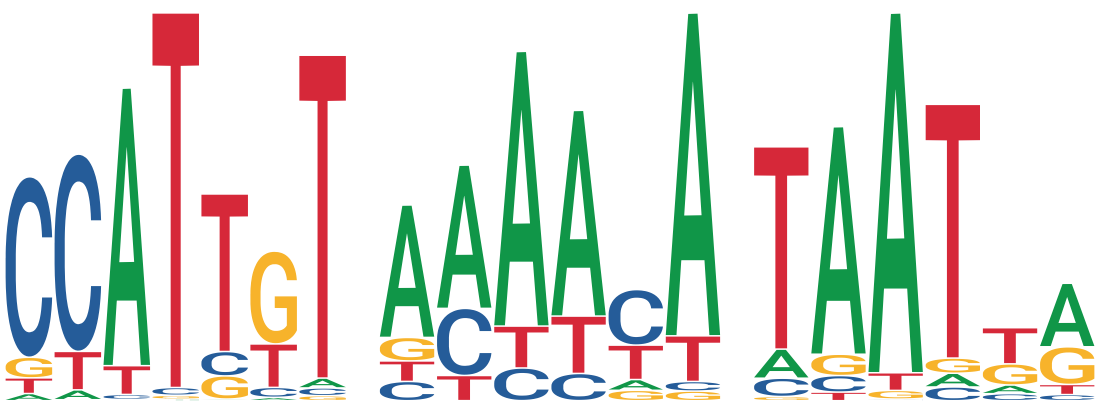
4: 198 peaks (1.6%)
NvSox2 | NvSoxC (ARCH1170_/Sox4/Sox11_Sox13/...)
NOTO (ARCH281_)

5: 186 peaks (1.5%)
NvSox2 | NvSoxC (ARCH1170_/Sox4/Sox11_Sox13/...)
Lhx8/Lhx6 (ARCH86_Alx3/Alx4/Alx1_Barx2...)



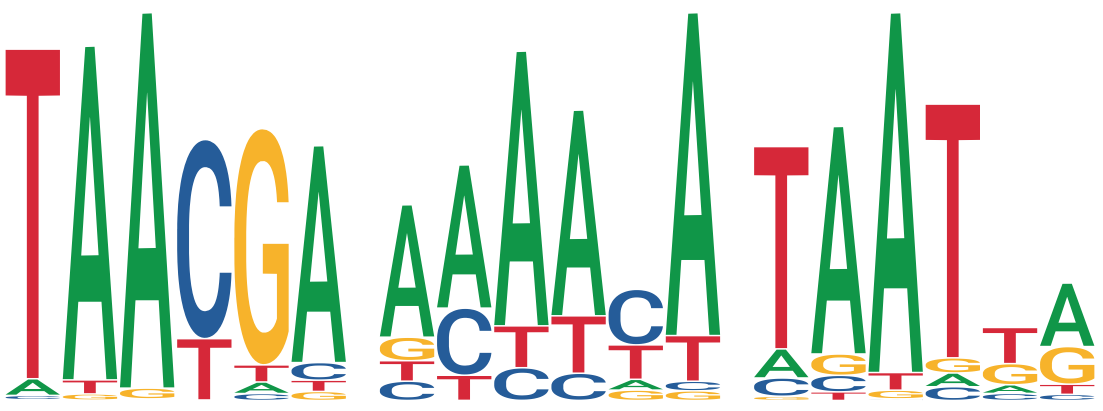
6: 123 peaks (1.0%)
Lhx8/Lhx6 (ARCH86_Alx3/Alx4/Alx1_Barx2...)
NOTO (ARCH281_)

7: 37 peaks (0.3%)
NvSox2 | NvSoxC (ARCH1170_/Sox4/Sox11_Sox13/...)
FoxL2 | FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_...)
NOTO (ARCH281_)



8: 34 peaks (0.3%)
NvSox2 | NvSoxC (ARCH1170_/Sox4/Sox11_Sox13/...)
Lhx8/Lhx6 (ARCH86_Alx3/Alx4/Alx1_Barx2...)
FoxA/D? (ARCH1102_Foxa3/F

9: 27 peaks (0.2%)
Lhx8/Lhx6 (ARCH86_Alx3/Alx4/Alx1_Barx2...)
FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_...)
NOTO (ARCH281_)



10: 12 peaks (0.1%)
NvSox2 | NvSoxC (ARCH1170_/Sox4/Sox11_Sox13/...)
Lhx8/Lhx6 (ARCH86_Alx3/Alx4/Alx1_Barx2...)
NOTO (ARCH281_)

NPC_2

1: 90 peaks (4.3%)
Arid3c/Arid3a/Arid3b (ARCH13_Arid2_Arid3c/Arid3a/...) | FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_.

2: 79 peaks (3.7%)
NvSox2 | FoxL2 |
NvSoxC (ARCH1170_/Sox4/Sox11_Sox13/...) | FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_.

3: 64 peaks (3.0%)
Arid3c/Arid3a/Arid3b (ARCH13_Arid2_Arid3c/Arid3a/...) | NvSoxC (ARCH1170_/Sox4/Sox11_Sox13/..

4: 51 peaks (2.4%)
HMGbox_Sox.HG1.52:like:LEF1/TC | FoxL2 |
HMGbox_Sox.HG1.52:like:LEF1/TC | FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_.
HMGbox_Sox.HG1.52:like:LEF1/TC (ARCH1164_/Sox4/Sox11_Sox13/...)

5: 51 peaks (2.4%)
zf−C2H2.HG1.35:FEZF1/FEZF2/GFI | FoxL2 |
Egr3/Egr1 | FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_.
Insm1 (ARCH530_Snai2)

6: 35 peaks (1.7%)
Arid3c/Arid3a/Arid3b (ARCH13_Arid2_Arid3c/Arid3a/...) | zf−C2H2.HG1.35:FEZF1/FEZF2/GFI |
Egr3/Egr1 |
Insm1 (ARCH530_Snai2)

7: 35 peaks (1.7%)
HMGbox_Sox.HG1.52:like:LEF1/TC | zf−C2H2.HG1.35:FEZF1/FEZF2/GFI |
HMGbox_Sox.HG1.52:like:LEF1/TC | Egr3/Egr1 |
HMGbox_Sox.HG1.52:like:LEF1/TC (ARCH1164_/Sox4/Sox11_Sox13/...) | Insm1 (ARCH530_Snai2)

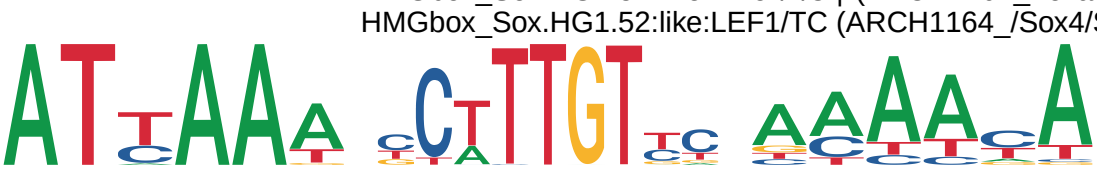
8: 34 peaks (1.6%)
Arid3c/Arid3a/Arid3b (ARCH13_Arid2_Arid3c/Arid3a/...) | HMGbox_Sox.HG1.52:like:LEF1/TC |
HMGbox_Sox.HG1.52:like:LEF1/TC |
HMGbox_Sox.HG1.52:like:LEF1/TC (ARCH1

9: 31 peaks (1.5%)
NvSox2 | HMGbox_Sox.HG1.52:like:LEF1/TC |
NvSoxC (ARCH1170_/Sox4/Sox11_Sox13/...) | HMGbox_Sox.HG1.52:like:LEF1/TC |
HMGbox_Sox.HG1.52:like:LEF1/TC (ARCH1

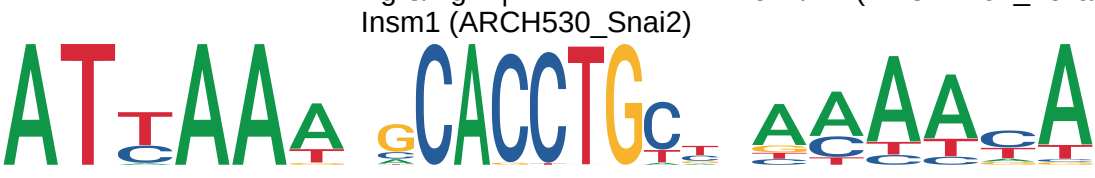
10: 30 peaks (1.4%)
NvSox2 | zf−C2H2.HG1.35:FEZF1/FEZF2/GFI |
NvSoxC (ARCH1170_/Sox4/Sox11_Sox13/...) | Egr3/Egr1 |
Insm1 (ARCH530_Snai2)

11: 11 peaks (0.5%)
Arid3c/Arid3a/Arid3b (ARCH13_Arid2_Arid3c/Arid3a/...) | FoxL2 |
NvSoxC (ARCH1170_/Sox4/Sox11_Sox13/...) | FoxA/D? (ARCH1102_Foxa3/F

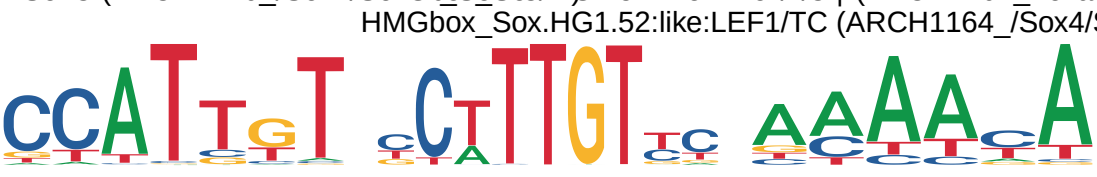
12: 10 peaks (0.5%)
Arid3c/Arid3a/Arid3b (ARCH13_Arid2_Arid3c/Arid3a/...) | HMGbox_Sox.HG1.52:like:LEF1/TC |
HMGbox_Sox.HG1.52:like:LEF1/TC | FoxL2 |
HMGbox_Sox.HG1.52:like:LEF1/TC (ARCH1164_/Sox4/Sox11_Sox13/...) | FoxA/D? (ARCH1102_Foxa3/F



13: 9 peaks (0.4%)
Arid3c/Arid3a/Arid3b (ARCH13_Arid2_Arid3c/Arid3a/...) | zf−C2H2.HG1.35:FEZF1/FEZF2/GFI |
Egr3/Egr1 | FoxA/D? (ARCH1102_Foxa3/F
Insm1 (ARCH530_Snai2)



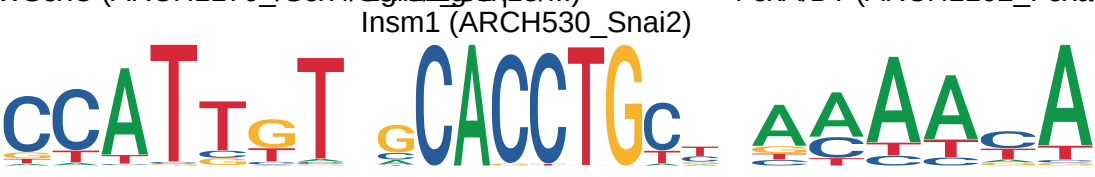
14: 9 peaks (0.4%)
NvSox2 | HMGbox_Sox.HG1.52:like:LEF1/TC | FoxL2 |
NvSoxC (ARCH1170_/Sox4/Sox11_Sox13/...) | HMGbox_Sox.HG1.52:like:LEF1/TC | FoxA/D? (ARCH1102_Foxa3/F
HMGbox_Sox.HG1.52:like:LEF1/TC (ARCH1164_/Sox4/Sox11_Sox13/...)



15: 8 peaks (0.4%)
HMGbox_Sox.HG1.52:like:LEF1/TC | zf−C2H2.HG1.35:FEZF1/FEZF2/GFI | FoxL2 |
HMGbox_Sox.HG1.52:like:LEF1/TC | Egr3/Egr1 | FoxA/D? (ARCH1102_Foxa3/F
HMGbox_Sox.HG1.52:like:LEF1/TC | Insm1 (ARCH530_Snai2)

16: 7 peaks (0.3%)
Arid3c/Arid3a/Arid3b (ARCH13_Arid2_Arid3c/Arid3a/...) | HMGbox_Sox.HG1.52:like:LE
NvSoxC (ARCH1170_/Sox4/Sox11_Sox13/...) | HMGbox_Sox.HG1.52:like:LE
HMGbox_Sox.HG1.52:like:LE

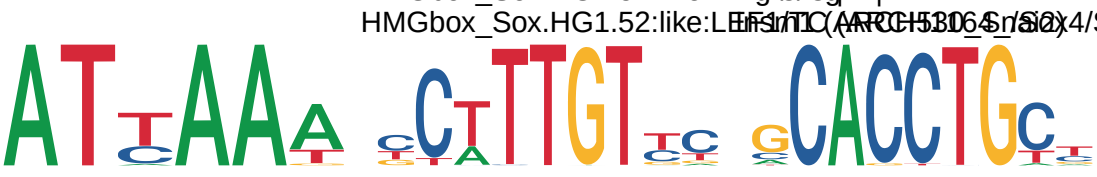
17: 7 peaks (0.3%)
NvSox2 | zf−C2H2.HG1.35:FEZF1/FEZF2/GFI | FoxL2 |
NvSoxC (ARCH1170_/Sox4/Sox11_Sox13/...) | Egr3/Egr1 | FoxA/D? (ARCH1102_Foxa3/F
Insm1 (ARCH530_Snai2)



18: 4 peaks (0.2%)
Arid3c/Arid3a/Arid3b (ARCH13_Arid2_Arid3c/Arid3a/...) | zf−C2H2.HG1.35:FEZF1/FEZ
NvSoxC (ARCH1170_/Sox4/Sox11_Sox13/...) | Egr3/Egr1 |
Insm1 (ARCH530_Snai2)

19: 4 peaks (0.2%)
Arid3c/Arid3a/Arid3b (ARCH13_Arid2_Arid3c/Arid3a/...) | HMGbox_Sox.HG1.52:like:LEF1/TC |
NvSoxC (ARCH1170_/Sox4/Sox11_Sox13/...) | HMGbox_Sox.HG1.52:like:LEF1/TC |
HMGbox_Sox.HG1.52:like:LEF1/TC (ARCH1

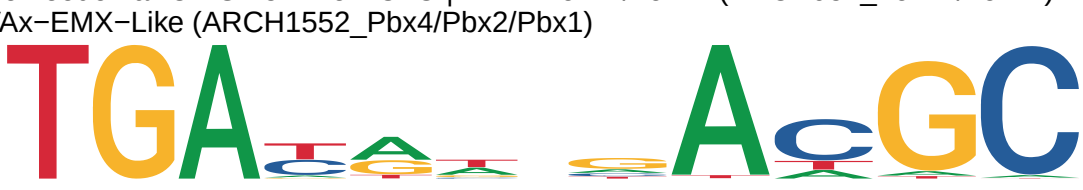
20: 3 peaks (0.1%)
Arid3c/Arid3a/Arid3b (ARCH13_Arid2_Arid3c/Arid3a/...) | HMGbox_Sox.HG1.52:like:LEF1/TC | zf−C2H2.HG1.35:FEZF1/FEZ
HMGbox_Sox.HG1.52:like:LEF1/TC | Egr3/Egr1 |
HMGbox_Sox.HG1.52:like:LEF1/TC | Insm1 (ARCH530_Snai2) | ARCH1164_/Sox4/Sox



neuron_GATA_Islet_1

1: 246 peaks (10.8%)
Arid3c/Arid3a/Arid3b (ARCH13_Arid2_Arid3c/Arid3a/...) | Homeodomains.HG1.54:like:NOTO | VAx−EMX−Like (ARCH1552_Pbx4/Pbx2/Pbx

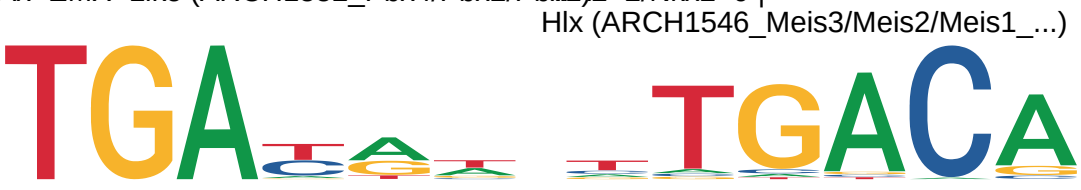
2: 214 peaks (9.4%)
Homeodomains.HG1.54:like:NOTO | VAx−EMX−Like (ARCH1552_Pbx4/Pbx2/Pbx1) | Foxn4/Foxn1 (ARCH954_Foxn4/Foxn1)



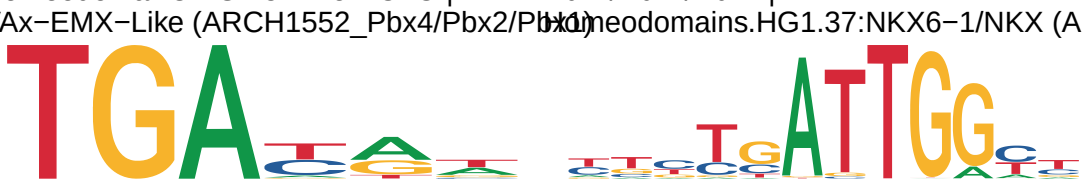
3: 167 peaks (7.3%)
Homeodomains.HG1.54:like:NOTO | VAx−EMX−Like (ARCH1552_Pbx4/Pbx2/Pbx1) | FoxL2 | FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_...

4: 146 peaks (6.4%)
Arid3c/Arid3a/Arid3b (ARCH13_Arid2_Arid3c/Arid3a/...) | Foxn4/Foxn1 (ARCH954_Foxn4/Foxn1)

5: 144 peaks (6.3%)
Homeodomains.HG1.54:like:NOTO | VAx−EMX−Like (ARCH1552_Pbx4/Pbx2/Pbx1) | Homeodomains.HG1.53:MNX1 | Nkx2−2/Nkx2−9 | Hlx (ARCH1546_Meis3/Meis2/Meis1_...)

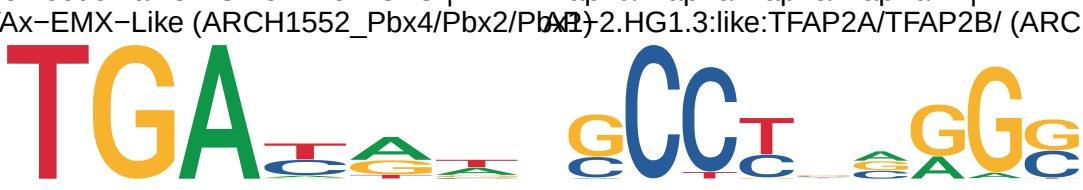


6: 123 peaks (5.4%)
Homeodomains.HG1.54:like:NOTO | VAx−EMX−Like (ARCH1552_Pbx4/Pbx2/Pbx1) | Pbx4/Pbx2/Pbx1 | Homeodomains.HG1.37:NKX6−1/NKX (ARC

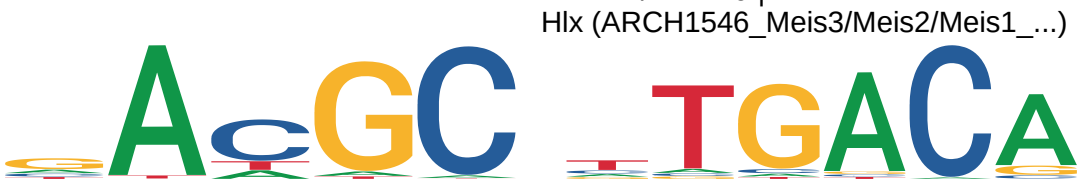


7: 120 peaks (5.3%)
Arid3c/Arid3a/Arid3b (ARCH13_Arid2_Arid3c/Arid3a/...) | FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_...

8: 105 peaks (4.6%)
Homeodomains.HG1.54:like:NOTO | VAx−EMX−Like (ARCH1552_Pbx4/Pbx2/Pbx1) | Tfap2d/Tfap2c/Tfap2e/Tfap2b/Tf | AP−2.HG1.3:like:TFAP2A/TFAP2B/ (ARCH3

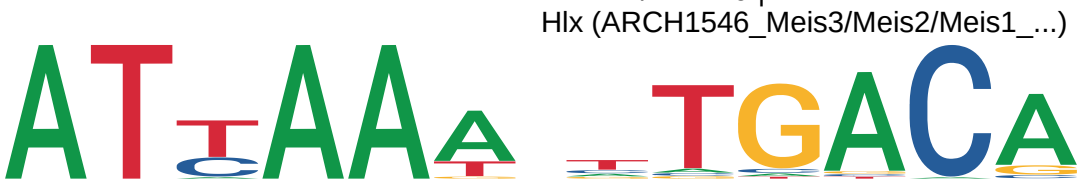


9: 102 peaks (4.5%)
Foxn4/Foxn1 (ARCH954_Foxn4/Foxn1) | Homeodomains.HG1.53:MNX1 | Nkx2−2/Nkx2−9 | Hlx (ARCH1546_Meis3/Meis2/Meis1_...)



10: 100 peaks (4.4%)
Foxn4/Foxn1 (ARCH954_Foxn4/Foxn1) | FoxL2 | FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_...

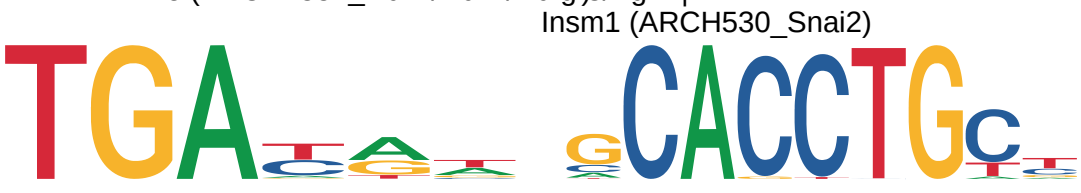
11: 88 peaks (3.9%)
Arid3c/Arid3a/Arid3b (ARCH13_Arid2_Arid3c/Arid3a/...) | Homeodomains.HG1.53:MNX1 | Nkx2−2/Nkx2−9 | Hlx (ARCH1546_Meis3/Meis2/Meis1_...)



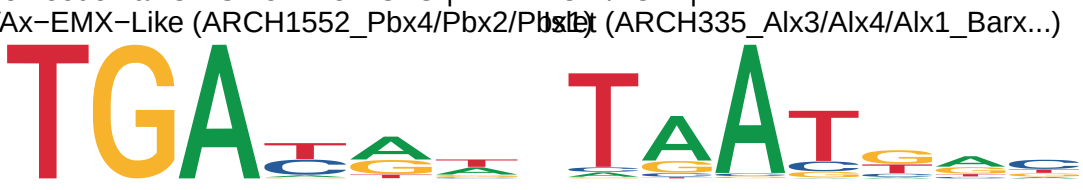
12: 87 peaks (3.8%)
Arid3c/Arid3a/Arid3b (ARCH13_Arid2_Arid3c/Arid3a/...) | Pbx4/Pbx2/Pbx1 | Homeodomains.HG1.37:NKX6−1/NKX (ARC

13: 86 peaks (3.8%)
Foxn4/Foxn1 (ARCH954_Foxn4/Foxn1) | Pbx4/Pbx2/Pbx1 | Homeodomains.HG1.37:NKX6−1/NKX (ARC

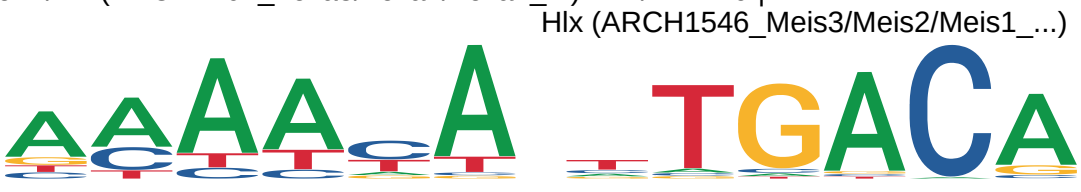
14: 85 peaks (3.7%)
Homeodomains.HG1.54:like:NOTO | VAx−EMX−Like (ARCH1552_Pbx4/Pbx2/Pbx1) | zf−C2H2.HG1.35:FEZF1/FEZF2/GFI | Egr3/Egr1 | Insm1 (ARCH530_Snai2)



15: 82 peaks (3.6%)
Homeodomains.HG1.54:like:NOTO | VAx−EMX−Like (ARCH1552_Pbx4/Pbx2/Pbx1) | Vsx1/Vsx2 | Alx1 (ARCH335_Alx3/Alx4/Alx1_Barx...)



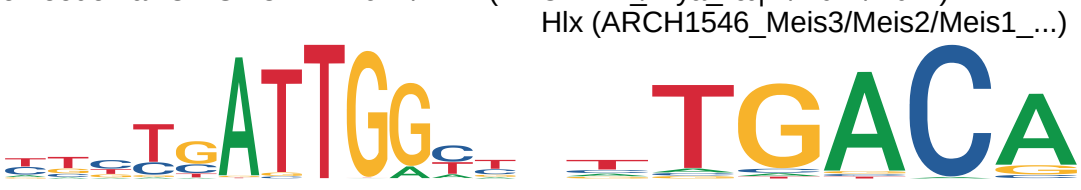
16: 74 peaks (3.2%)
FoxL2 | FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_...) | Homeodomains.HG1.53:MNX1 | Nkx2−2/Nkx2−9 | Hlx (ARCH1546_Meis3/Meis2/Meis1_...)



17: 69 peaks (3.0%)
Arid3c/Arid3a/Arid3b (ARCH13_Arid2_Arid3c/Arid3a/...) | Tfap2d/Tfap2c/Tfap2e/Tfap2b/Tf | AP−2.HG1.3:like:TFAP2A/TFAP2B/ (ARCH3

18: 68 peaks (3.0%)
Arid3c/Arid3a/Arid3b (ARCH13_Arid2_Arid3c/Arid3a/...) | zf−C2H2.HG1.35:FEZF1/FEZF2/GFI | Egr3/Egr1 | Insm1 (ARCH530_Snai2)

19: 68 peaks (3.0%)
Pbx4/Pbx2/Pbx1 | Homeodomains.HG1.37:NKX6−1/NKX (ARC | Homeodomains.HG1.53:MNX1 | Nkx2−2/Nkx2−9 | Pbx4/Pbx2/Pbx1) | Hlx (ARCH1546_Meis3/Meis2/Meis1_...)



20: 67 peaks (2.9%)
zf−C2H2.HG1.35:FEZF1/FEZF2/GFI | Egr3/Egr1 | Insm1 (ARCH530_Snai2) | Foxn4/Foxn1 (ARCH954_Foxn4/Foxn1)

neuron_GATA_Islet_2

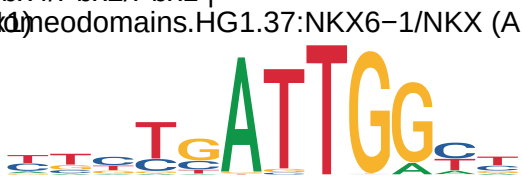
1: 141 peaks (9.2%)
Homeodomains.HG1.54:like:NOTO | VAx−EMX−Like (ARCH1552_Pbx4/Pbx2/Pbx1)
Homeodomains.HG1.53:MNX1 | Nkx2−2/Nkx2−9 | Hlx (ARCH1546_Meis3/Meis2/Meis1_...)

2: 112 peaks (7.3%)
Homeodomains.HG1.54:like:NOTO | VAx−EMX−Like (ARCH1552_Pbx4/Pbx2/Pbx1)
Foxn4/Foxn1 (ARCH954_Foxn4/Foxn1)

3: 96 peaks (6.2%)
Homeodomains.HG1.53:MNX1 | Nkx2−2/Nkx2−9 | Hlx (ARCH1546_Meis3/Meis2/Meis1_...)
Foxn4/Foxn1 (ARCH954_Foxn4/Foxn1)

4: 76 peaks (4.9%)
Homeodomains.HG1.53:MNX1 | Nkx2−2/Nkx2−9 | Hlx (ARCH1546_Meis3/Meis2/Meis1_...)
Pbx4/Pbx2/Pbx1 | Homeodomains.HG1.37:NKX6−1/NKX (ARC

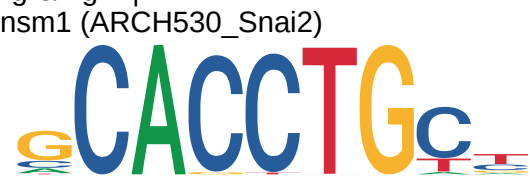
5: 73 peaks (4.7%)
Homeodomains.HG1.54:like:NOTO | VAx−EMX−Like (ARCH1552_Pbx4/Pbx2/Pbx1)
Pbx4/Pbx2/Pbx1 | Homeodomains.HG1.37:NKX6−1/NKX (ARC



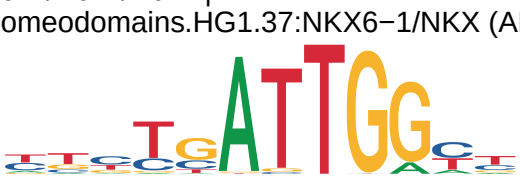
6: 68 peaks (4.4%)
Homeodomains.HG1.54:like:NOTO | VAx−EMX−Like (ARCH1552_Pbx4/Pbx2/Pbx1)
NOTO (ARCH281_)

7: 60 peaks (3.9%)
Homeodomains.HG1.53:MNX1 | Nkx2−2/Nkx2−9 | Hlx (ARCH1546_Meis3/Meis2/Meis1_...)
NOTO (ARCH281_)

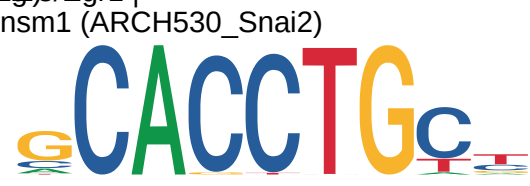
8: 58 peaks (3.8%)
Homeodomains.HG1.53:MNX1 | Nkx2−2/Nkx2−9 | Hlx (ARCH1546_Meis3/Meis2/Meis1_...)
zf−C2H2.HG1.35:FEZF1/FEZF2/GFI | Egr3/Egr1 | Insm1 (ARCH530_Snai2)



9: 55 peaks (3.6%)
Pbx4/Pbx2/Pbx1 | Homeodomains.HG1.37:NKX6−1/NKX (ARCH121_Nfya_Pbx4/Pbx2/Pbx1)
Foxn4/Foxn1 (ARCH954_Foxn4/Foxn1)



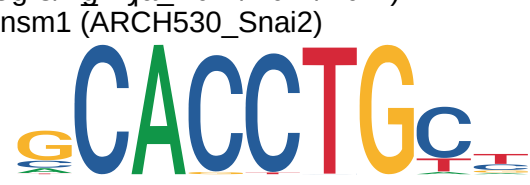
10: 53 peaks (3.4%)
Homeodomains.HG1.54:like:NOTO | VAx−EMX−Like (ARCH1552_Pbx4/Pbx2/Pbx1)
zf−C2H2.HG1.35:FEZF1/FEZF2/GFI | Egr3/Egr1 | Insm1 (ARCH530_Snai2)



11: 53 peaks (3.4%)
Homeodomains.HG1.53:MNX1 | Nkx2−2/Nkx2−9 | Hlx (ARCH1546_Meis3/Meis2/Meis1_...)
Vsx1/Vsx2 | Islet (ARCH335_Alx3/Alx4/Alx1_Barx...)

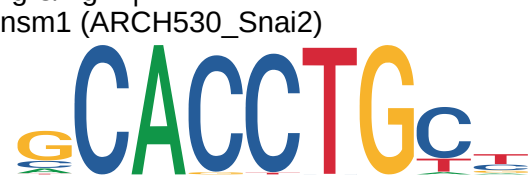
12: 47 peaks (3.1%)
Homeodomains.HG1.54:like:NOTO | VAx−EMX−Like (ARCH1552_Pbx4/Pbx2/Pbx1)
Vsx1/Vsx2 | Islet (ARCH335_Alx3/Alx4/Alx1_Barx...)

13: 46 peaks (3.0%)
Pbx4/Pbx2/Pbx1 | Homeodomains.HG1.37:NKX6−1/NKX (ARCH121_Nfya_Pbx4/Pbx2/Pbx1)
zf−C2H2.HG1.35:FEZF1/FEZF2/GFI | Egr3/Egr1 | Insm1 (ARCH530_Snai2)



14: 39 peaks (2.5%)
Foxn4/Foxn1 (ARCH954_Foxn4/Foxn1)
Vsx1/Vsx2 | Islet (ARCH335_Alx3/Alx4/Alx1_Barx...)

15: 34 peaks (2.2%)
Foxn4/Foxn1 (ARCH954_Foxn4/Foxn1)
zf−C2H2.HG1.35:FEZF1/FEZF2/GFI | Egr3/Egr1 | Insm1 (ARCH530_Snai2)



16: 32 peaks (2.1%)
Foxn4/Foxn1 (ARCH954_Foxn4/Foxn1)
NOTO (ARCH281_)

17: 27 peaks (1.8%)
Homeodomains.HG1.54:like:NOTO | VAx−EMX−Like (ARCH1552_Pbx4/Pbx2/Pbx1)
Homeodomains.HG1.53:MNX1 | Nkx2−2/Nkx2−9 | Hlx (ARCH1546_Meis3/Meis2/Meis1_...)
Foxn4/Foxn1 (ARCH954_Foxn4/Foxn1)

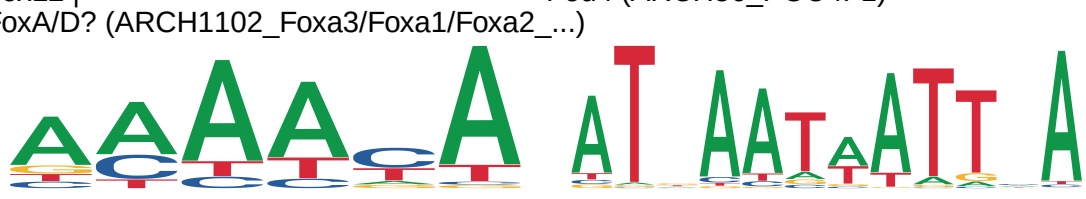
18: 26 peaks (1.7%)
Pbx4/Pbx2/Pbx1 | Homeodomains.HG1.37:NKX6−1/NKX (ARCH121_Nfya_Pbx4/Pbx2/Pbx1)
Vsx1/Vsx2 | Islet (ARCH335_Alx3/Alx4/Alx1_Barx...)

19: 24 peaks (1.6%)
Pbx4/Pbx2/Pbx1 | Homeodomains.HG1.37:NKX6−1/NKX (ARCH121_Nfya_Pbx4/Pbx2/Pbx1)
NOTO (ARCH281_)

20: 21 peaks (1.4%)
Homeodomains.HG1.54:like:NOTO | VAx−EMX−Like (ARCH1552_Pbx4/Pbx2/Pbx1)
Homeodomains.HG1.53:MNX1 | Nkx2−2/Nkx2−9 | Hlx (ARCH1546_Meis3/Meis2/Meis1_...)
NOTO (ARCH281_)

neuron_Pou4_FoxL2_1

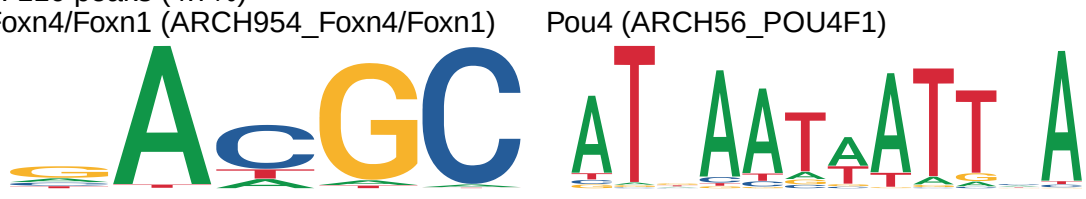
1: 127 peaks (5.4%)
FoxL2 | FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_...)
Pou4 (ARCH56_POU4F1)



2: 121 peaks (5.1%)
Foxn4/Foxn1 (ARCH954_Foxn4/Foxn1)
FoxL2 | FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_.

3: 111 peaks (4.7%)
Foxn4/Foxn1 (ARCH954_Foxn4/Foxn1)
zf−C2H2.HG1.35:FEZF1/FEZF2/GFI | Egr3/Egr1 | Insm1 (ARCH530_Snai2)

4: 110 peaks (4.7%)
Foxn4/Foxn1 (ARCH954_Foxn4/Foxn1)
Pou4 (ARCH56_POU4F1)



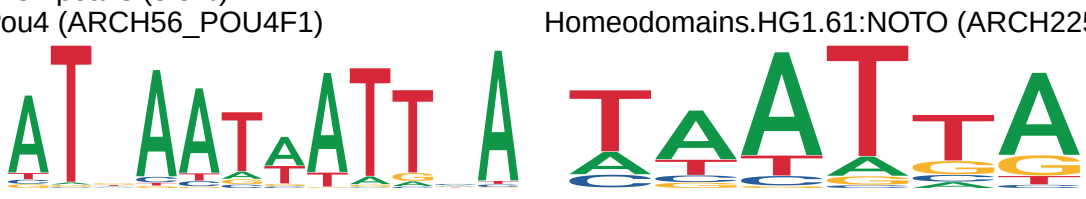
5: 102 peaks (4.3%)
FoxL2 | FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_...)
zf−C2H2.HG1.35:FEZF1/FEZF2/GFI | Egr3/Egr1 | Insm1 (ARCH530_Snai2)

6: 98 peaks (4.2%)
Foxn4/Foxn1 (ARCH954_Foxn4/Foxn1)
Pbx4/Pbx2/Pbx1 | Homeodomains.HG1.37:NKX6−1/NKX (ARC

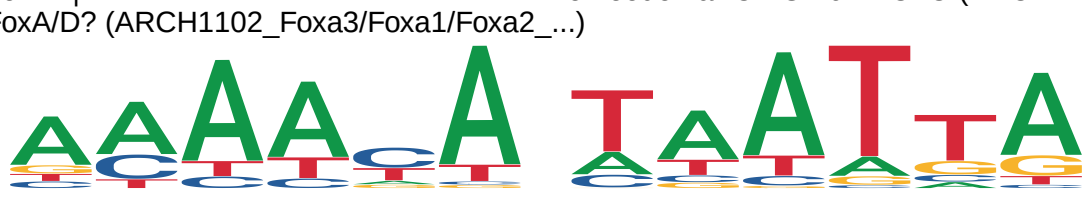
7: 90 peaks (3.8%)
Pbx4/Pbx2/Pbx1 | Homeodomains.HG1.37:NKX6−1/NKX (ARCH121_Nfya_Pbx4/Pbx2/Pbx1)
zf−C2H2.HG1.35:FEZF1/FEZF2/GFI | Egr3/Egr1 | Insm1 (ARCH530_Snai2)

8: 84 peaks (3.6%)
FoxL2 | FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_...)
Pbx4/Pbx2/Pbx1 | Homeodomains.HG1.37:NKX6−1/NKX (ARC

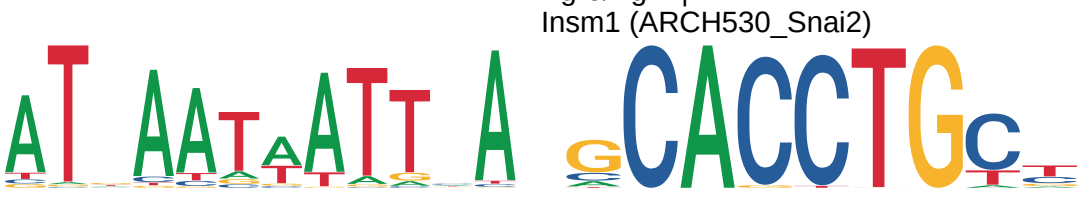
9: 82 peaks (3.5%)
Pou4 (ARCH56_POU4F1)
Homeodomains.HG1.61:NOTO (ARCH225_



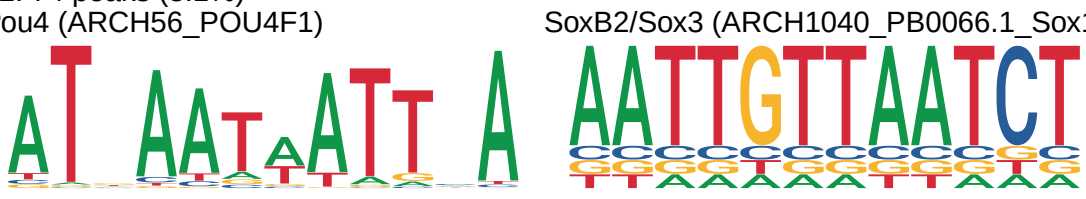
10: 79 peaks (3.4%)
FoxL2 | FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_...)
Homeodomains.HG1.61:NOTO (ARCH225_



11: 77 peaks (3.3%)
Pou4 (ARCH56_POU4F1)
zf−C2H2.HG1.35:FEZF1/FEZF2/GFI | Egr3/Egr1 | Insm1 (ARCH530_Snai2)

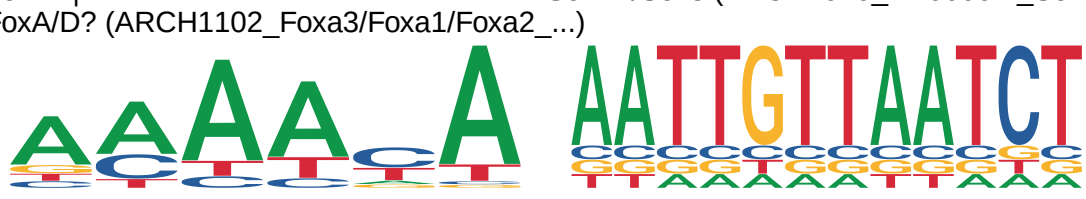


12: 74 peaks (3.1%)
Pou4 (ARCH56_POU4F1)
SoxB2/Sox3 (ARCH1040_PB0066.1_Sox17_

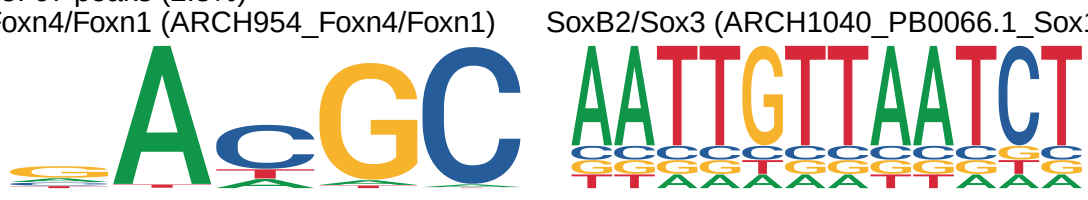


13: 69 peaks (2.9%)
zf−C2H2.HG1.35:FEZF1/FEZF2/GFI | Egr3/Egr1 | Insm1 (ARCH530_Snai2)
SoxB2/Sox3 (ARCH1040_PB0066.1_Sox17_

14: 68 peaks (2.9%)
FoxL2 | FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_...)
SoxB2/Sox3 (ARCH1040_PB0066.1_Sox17_

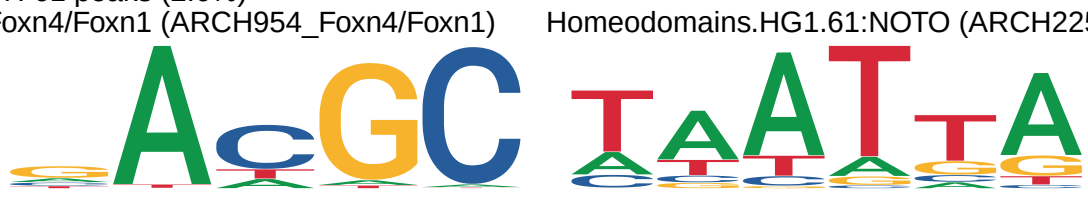


15: 67 peaks (2.8%)
Foxn4/Foxn1 (ARCH954_Foxn4/Foxn1)
SoxB2/Sox3 (ARCH1040_PB0066.1_Sox17_

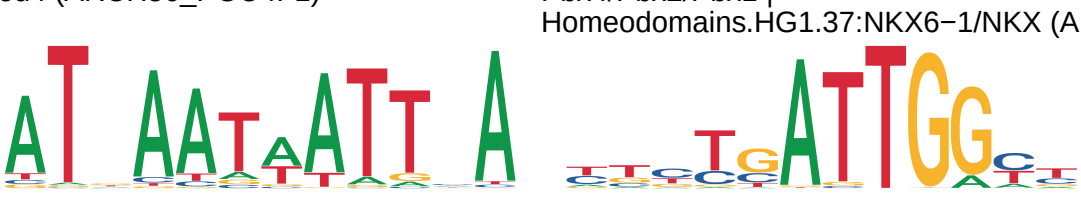


16: 66 peaks (2.8%)
Homeodomains.HG1.61:NOTO (ARCH225_
zf−C2H2.HG1.35:FEZF1/FEZF2/GFI | Egr3/Egr1 | Insm1 (ARCH530_Snai2)

17: 61 peaks (2.6%)
Foxn4/Foxn1 (ARCH954_Foxn4/Foxn1)
Homeodomains.HG1.61:NOTO (ARCH225_

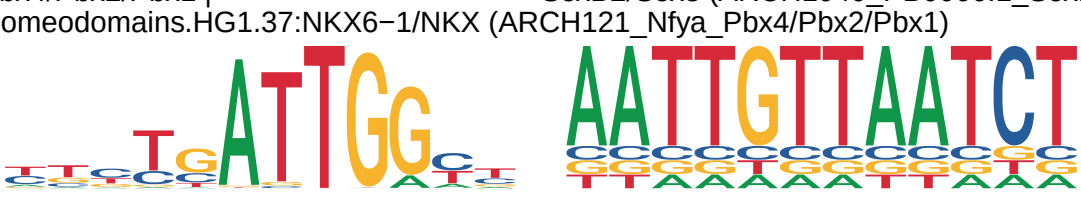


18: 55 peaks (2.3%)
Pou4 (ARCH56_POU4F1)
Pbx4/Pbx2/Pbx1 | Homeodomains.HG1.37:NKX6−1/NKX (ARC



19: 49 peaks (2.1%)
Homeodomains.HG1.61:NOTO (ARCH225_
Pbx4/Pbx2/Pbx1 | Homeodomains.HG1.37:NKX6−1/NKX (ARC

20: 43 peaks (1.8%)
Pbx4/Pbx2/Pbx1 | Homeodomains.HG1.37:NKX6−1/NKX (ARCH121_Nfya_Pbx4/Pbx2/Pbx1)
SoxB2/Sox3 (ARCH1040_PB0066.1_Sox17_

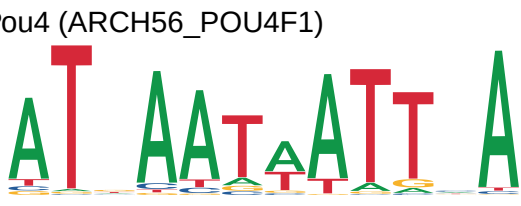


neuron_Pou4_FoxL2_2

1: 92 peaks (5.2%)
FoxL2 | FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_...)
Pou4 (ARCH56_POU4F1)

2: 76 peaks (4.3%)
Foxn4/Foxn1 (ARCH954_Foxn4/Foxn1)
FoxL2 | FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_...)

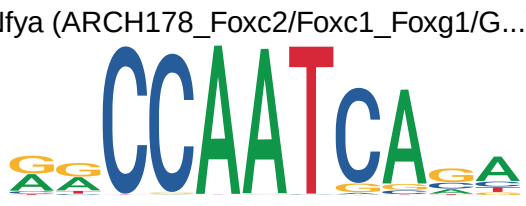
3: 75 peaks (4.3%)
Foxn4/Foxn1 (ARCH954_Foxn4/Foxn1)
Pou4 (ARCH56_POU4F1)



4: 75 peaks (4.3%)
FoxL2 | FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_...)
Homeodomains.HG1.61:NOTO (ARCH225_...)

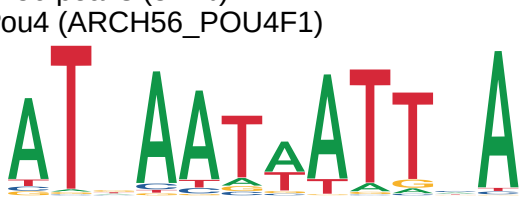
5: 58 peaks (3.3%)
SoxB2/Sox3 (ARCH1040_PB0066.1_Sox17_...)
FoxL2 | FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_...)

6: 57 peaks (3.2%)
Foxn4/Foxn1 (ARCH954_Foxn4/Foxn1)
Nfya (ARCH178_Foxc2/Foxc1_Foxg1/G...)

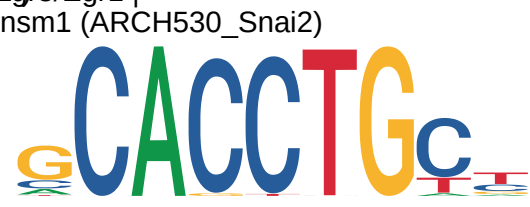


7: 57 peaks (3.2%)
FoxL2 | FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_...)
Nfya (ARCH178_Foxc2/Foxc1_Foxg1/G...)

8: 56 peaks (3.2%)
Pou4 (ARCH56_POU4F1)
Homeodomains.HG1.61:NOTO (ARCH225_...)

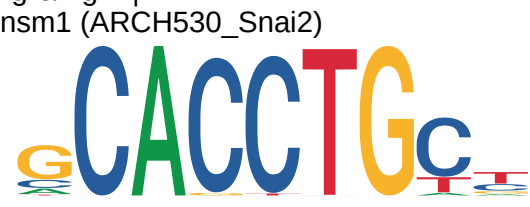


9: 55 peaks (3.1%)
FoxL2 | FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_...)
zf−C2H2.HG1.35:FEZF1/FEZF2/GFI | Egr3/Egr1 | Insm1 (ARCH530_Snai2)

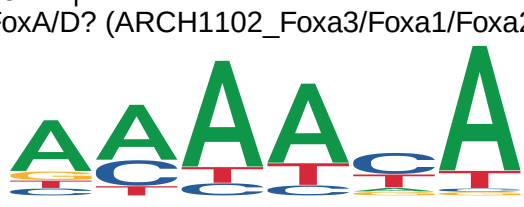


10: 54 peaks (3.1%)
Pou4 (ARCH56_POU4F1)
Pbx4/Pbx2/Pbx1 | Homeodomains.HG1.37:NKX6−1/NKX (ARC...

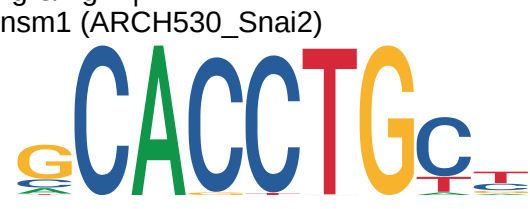
11: 52 peaks (2.9%)
Foxn4/Foxn1 (ARCH954_Foxn4/Foxn1)
zf−C2H2.HG1.35:FEZF1/FEZF2/GFI | Egr3/Egr1 | Insm1 (ARCH530_Snai2)



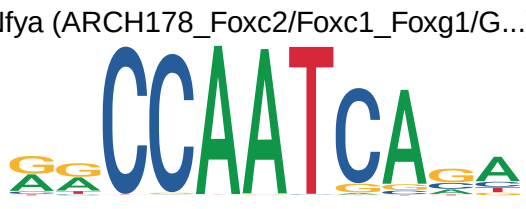
12: 52 peaks (2.9%)
FoxL2 | FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_...)
Pbx4/Pbx2/Pbx1 | Homeodomains.HG1.37:NKX6−1/NKX (ARC...



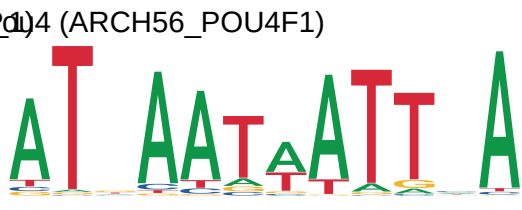
13: 51 peaks (2.9%)
Nfya (ARCH178_Foxc2/Foxc1_Foxg1/G...)
zf−C2H2.HG1.35:FEZF1/FEZF2/GFI | Egr3/Egr1 | Insm1 (ARCH530_Snai2)



14: 44 peaks (2.5%)
Pou4 (ARCH56_POU4F1)
Nfya (ARCH178_Foxc2/Foxc1_Foxg1/G...)



15: 43 peaks (2.4%)
SoxB2/Sox3 (ARCH1040_PB0066.1_Sox17_...)
Pou4 (ARCH56_POU4F1)



16: 40 peaks (2.3%)
Foxn4/Foxn1 (ARCH954_Foxn4/Foxn1)
Pbx4/Pbx2/Pbx1 | Homeodomains.HG1.37:NKX6−1/NKX (ARC...

17: 39 peaks (2.2%)
Pou4 (ARCH56_POU4F1)
zf−C2H2.HG1.35:FEZF1/FEZF2/GFI | Egr3/Egr1 | Insm1 (ARCH530_Snai2)

18: 36 peaks (2.0%)
Foxn4/Foxn1 (ARCH954_Foxn4/Foxn1)
SoxB2/Sox3 (ARCH1040_PB0066.1_Sox17_...)

19: 33 peaks (1.9%)
Foxn4/Foxn1 (ARCH954_Foxn4/Foxn1)
Homeodomains.HG1.61:NOTO (ARCH225_...)

20: 33 peaks (1.9%)
SoxB2/Sox3 (ARCH1040_PB0066.1_Sox17_...)
Homeodomains.HG1.61:NOTO (ARCH225_...)

neuron_Pou4_FoxL2_3

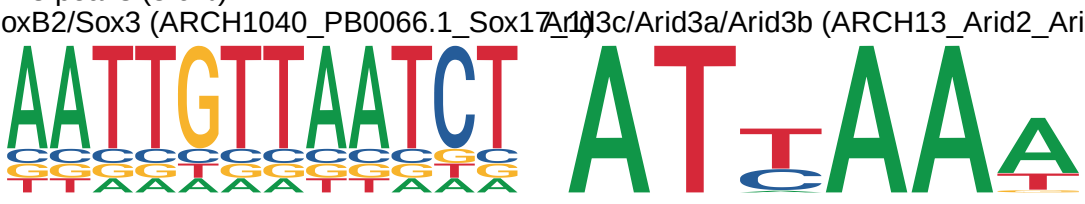
1: 150 peaks (6.8%)
Arid3c/Arid3a/Arid3b (ARCH13_Arid2_Arid3c/Arid3a/...) | FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_...)

2: 133 peaks (6.1%)
Arid3c/Arid3a/Arid3b (ARCH13_Arid2_Arid3c/Arid3a/...) | Homeodomains.HG1.61:NOTO (ARCH225_...)

3: 106 peaks (4.8%)
FoxL2 | FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_...) | Homeodomains.HG1.61:NOTO (ARCH225_...)

4: 85 peaks (3.9%)
SoxB2/Sox3 (ARCH1040_PB0066.1_Sox17_1) | FoxL2 | FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_...)

5: 78 peaks (3.6%)
SoxB2/Sox3 (ARCH1040_PB0066.1_Sox17_1) | Arid3c/Arid3a/Arid3b (ARCH13_Arid2_Arid3c/Arid3a/...)



6: 76 peaks (3.5%)
Arid3c/Arid3a/Arid3b (ARCH13_Arid2_Arid3c/Arid3a/...) | Pbx4/Pbx2/Pbx1 | Homeodomains.HG1.37:NKX6−1/NKX (ARC...)

7: 76 peaks (3.5%)
FoxL2 | FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_...) | Pbx4/Pbx2/Pbx1 | Homeodomains.HG1.37:NKX6−1/NKX (ARC...)

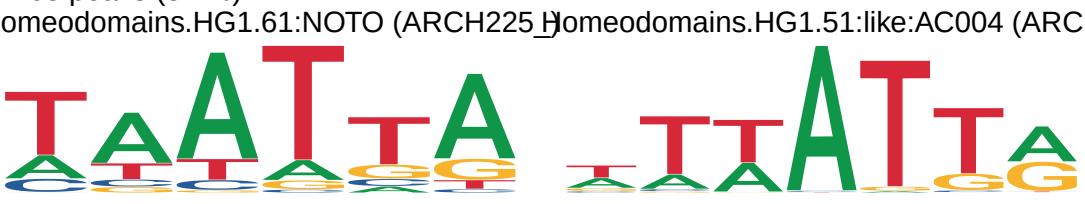
8: 76 peaks (3.5%)
FoxL2 | FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_...) | zf−C2H2.HG1.35:FEZF1/FEZF2/GFI | Egr3/Egr1 | Insm1 (ARCH530_Snai2)

9: 73 peaks (3.3%)
Arid3c/Arid3a/Arid3b (ARCH13_Arid2_Arid3c/Arid3a/...) | Homeodomains.HG1.64.3:like:ZIC1/ZIC2/Z (ARCH922...)

10: 73 peaks (3.3%)
Pbx4/Pbx2/Pbx1 | Homeodomains.HG1.37:NKX6−1/NKX (ARCH121_Nfya_Pbx4/Pbx2/Pbx1) | zf−C2H2.HG1.35:FEZF1/FEZF2/GFI | Egr3/Egr1 | Insm1 (ARCH530_Snai2)

11: 71 peaks (3.2%)
Arid3c/Arid3a/Arid3b (ARCH13_Arid2_Arid3c/Arid3a/...) | zf−C2H2.HG1.35:FEZF1/FEZF2/GFI | Egr3/Egr1 | Insm1 (ARCH530_Snai2)

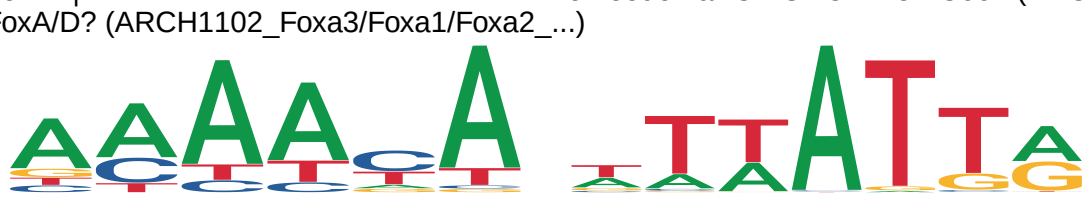
12: 68 peaks (3.1%)
Homeodomains.HG1.61:NOTO (ARCH225_...) | Homeodomains.HG1.51:like:AC004 (ARCH2...)



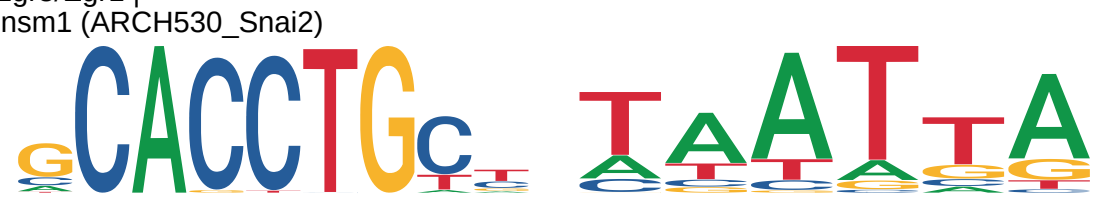
13: 67 peaks (3.1%)
SoxB2/Sox3 (ARCH1040_PB0066.1_Sox17_1) | Homeodomains.HG1.61:NOTO (ARCH225_...)

14: 63 peaks (2.9%)
Arid3c/Arid3a/Arid3b (ARCH13_Arid2_Arid3c/Arid3a/...) | Zfp764/E430018J23Rik/Zfp689/91 | Zfp251/Zfp7/Gm49527/Zfp612/Zfp (ARCH12...)

15: 63 peaks (2.9%)
FoxL2 | FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_...) | Homeodomains.HG1.51:like:AC004 (ARCH2...)



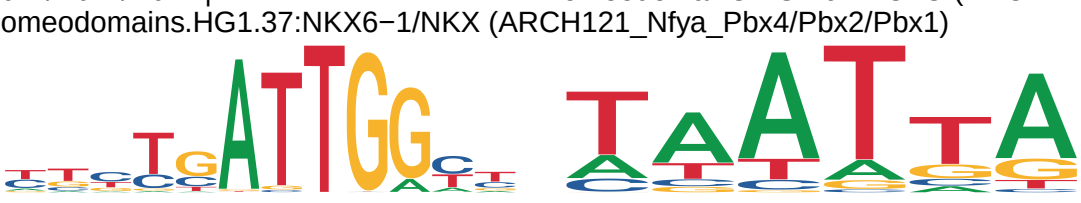
16: 60 peaks (2.7%)
zf−C2H2.HG1.35:FEZF1/FEZF2/GFI | Egr3/Egr1 | Insm1 (ARCH530_Snai2) | Homeodomains.HG1.61:NOTO (ARCH225_...)



17: 59 peaks (2.7%)
Arid3c/Arid3a/Arid3b (ARCH13_Arid2_Arid3c/Arid3a/...) | Homeodomains.HG1.51:like:AC004 (ARCH2...)

18: 57 peaks (2.6%)
FoxL2 | FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_...) | Zfp764/E430018J23Rik/Zfp689/91 | Zfp251/Zfp7/Gm49527/Zfp612/Zfp (ARCH12...)

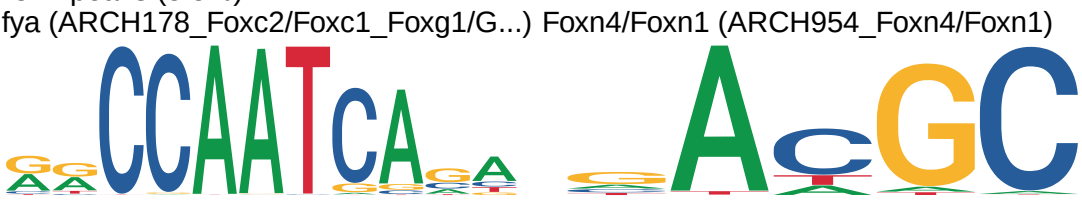
19: 55 peaks (2.5%)
Pbx4/Pbx2/Pbx1 | Homeodomains.HG1.37:NKX6−1/NKX (ARCH121_Nfya_Pbx4/Pbx2/Pbx1) | Homeodomains.HG1.61:NOTO (ARCH225_...)



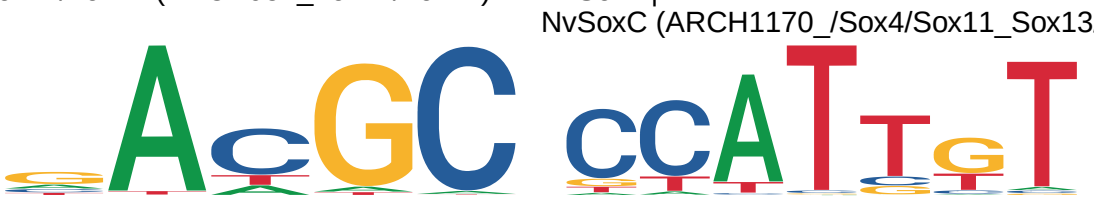
20: 53 peaks (2.4%)
Zfp764/E430018J23Rik/Zfp689/91 | Zfp251/Zfp7/Gm49527/Zfp612/Zfp (ARCH1204_ARR1__ZNF24) | Homeodomains.HG1.61:NOTO (ARCH225_...)

neuronal_gastrula

1: 322 peaks (5.5%)
Nfya (ARCH178_Foxc2/Foxc1_Foxg1/G...) Foxn4/Foxn1 (ARCH954_Foxn4/Foxn1)



2: 297 peaks (5.1%)
Foxn4/Foxn1 (ARCH954_Foxn4/Foxn1) NvSox2 | NvSoxC (ARCH1170_/Sox4/Sox11_Sox13/..



3: 267 peaks (4.6%)
Foxn4/Foxn1 (ARCH954_Foxn4/Foxn1) FoxL2 | FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_.

4: 260 peaks (4.4%)
Nfya (ARCH178_Foxc2/Foxc1_Foxg1/G...) FoxL2 | FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_.

5: 235 peaks (4.0%)
Nfya (ARCH178_Foxc2/Foxc1_Foxg1/G...) NvSox2 | NvSoxC (ARCH1170_/Sox4/Sox11_Sox13/..

6: 226 peaks (3.9%)
Foxn4/Foxn1 (ARCH954_Foxn4/Foxn1) Arid3c/Arid3a/Arid3b (ARCH13_Arid2_Arid3

7: 205 peaks (3.5%)
NvSox2 | NvSoxC (ARCH1170_/Sox4/Sox11_Sox13/F... FoxL2 | FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_.

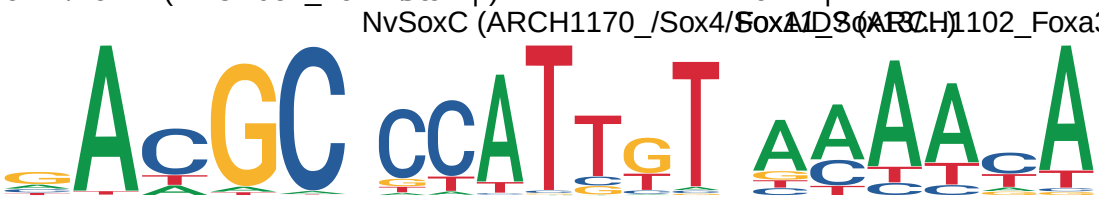
8: 196 peaks (3.3%)
Nfya (ARCH178_Foxc2/Foxc1_Foxg1/G...) Arid3c/Arid3a/Arid3b (ARCH13_Arid2_Arid3

9: 191 peaks (3.3%)
Arid3c/Arid3a/Arid3b (ARCH13_Arid2_Arid3 FoxL2 | FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_.

10: 169 peaks (2.9%)
Arid3c/Arid3a/Arid3b (ARCH13_Arid2_Arid3 NvSox2 | NvSoxC (ARCH1170_/Sox4/Sox11_Sox13/..

11: 68 peaks (1.2%)
Nfya (ARCH178_Foxc2/Foxc1_Foxg1/G... Foxn4/Foxn1 (ARCH954_Foxn4/Foxn1) FoxL2 | FoxA/D? (ARCH1102_Foxa3/F

12: 60 peaks (1.0%)
Foxn4/Foxn1 (ARCH954_Foxn4/Foxn1) NvSox2 | NvSoxC (ARCH1170_/Sox4/Sox11_Sox13/... FoxL2 | FoxA/D? (ARCH1102_Foxa3/F



13: 51 peaks (0.9%)
Nfya (ARCH178_Foxc2/Foxc1_Foxg1/G... Foxn4/Foxn1 (ARCH954_Foxn4/Foxn1) NvSox2 | NvSoxC (ARCH1170_/Sox4/S

14: 48 peaks (0.8%)
Nfya (ARCH178_Foxc2/Foxc1_Foxg1/G... NvSox2 | NvSoxC (ARCH1170_/Sox4/Sox11_Sox13/... FoxL2 | FoxA/D? (ARCH1102_Foxa3/F

15: 46 peaks (0.8%)
Nfya (ARCH178_Foxc2/Foxc1_Foxg1/G... Foxn4/Foxn1 (ARCH954_Foxn4/Foxn1) Arid3c/Arid3a/Arid3b (ARCH1

16: 44 peaks (0.8%)
Foxn4/Foxn1 (ARCH954_Foxn4/Foxn1) Arid3c/Arid3a/Arid3b (ARCH13_Arid2_Arid3c/Arid3a/...) NvSox2 | NvSoxC (ARCH1170_/Sox4/S

17: 38 peaks (0.6%)
Nfya (ARCH178_Foxc2/Foxc1_Foxg1/G... Arid3c/Arid3a/Arid3b (ARCH13_Arid2_Arid3c/Arid3a/...) NvSox2 | NvSoxC (ARCH1170_/Sox4/S

18: 38 peaks (0.6%)
Foxn4/Foxn1 (ARCH954_Foxn4/Foxn1) Arid3c/Arid3a/Arid3b (ARCH13_Arid2_Arid3c/Arid3a/...) FoxL2 | FoxA/D? (ARCH1102_Foxa3/F

19: 34 peaks (0.6%)
Nfya (ARCH178_Foxc2/Foxc1_Foxg1/G... Arid3c/Arid3a/Arid3b (ARCH13_Arid2_Arid3c/Arid3a/...) FoxL2 | FoxA/D? (ARCH1102_Foxa3/F

20: 18 peaks (0.3%)
Arid3c/Arid3a/Arid3b (ARCH13_Arid2_Arid3c/Arid3a/...) NvSox2 | NvSoxC (ARCH1170_/Sox4/Sox11_Sox13/... FoxL2 | FoxA/D? (ARCH1102_Foxa3/F

gland

1: 45 peaks (6.1%)
Arid3c/Arid3a/Arid3b (ARCH13_Arid2_Arid3b/Arid3a/...)

Pbx4/Pbx2/Pbx1 |
Homeodomains.HG1.37:NKX6−1/NKX (ARC

2: 39 peaks (5.3%)
Arid3c/Arid3a/Arid3b (ARCH13_Arid2_Arid3b/Arid3a/...)

Homeodomains.HG1.53:MNX1 |
Nkx2−2/Nkx2−9 |
Hlx (ARCH1546_Meis3/Meis2/Meis1_...)

3: 35 peaks (4.7%)
Homeodomains.HG1.53:MNX1 |
Nkx2−2/Nkx2−9 |
Hlx (ARCH1546_Meis3/Meis2/Meis1_...)

Foxn4/Foxn1 (ARCH954_Foxn4/Foxn1)

4: 33 peaks (4.5%)
Arid3c/Arid3a/Arid3b (ARCH13_Arid2_Arid3b/Arid3a/...)

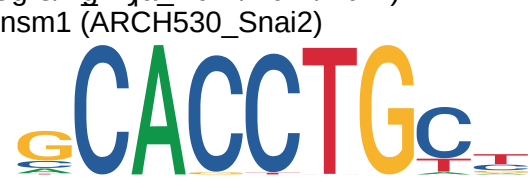
Foxn4/Foxn1 (ARCH954_Foxn4/Foxn1)

5: 33 peaks (4.5%)
Homeodomains.HG1.53:MNX1 |
Nkx2−2/Nkx2−9 |
Hlx (ARCH1546_Meis3/Meis2/Meis1_...)

Pbx4/Pbx2/Pbx1 |
Homeodomains.HG1.37:NKX6−1/NKX (ARC

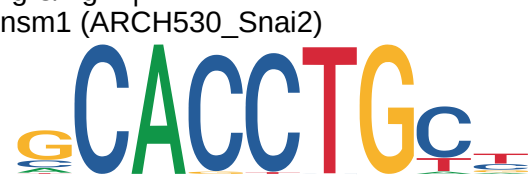
6: 30 peaks (4.1%)
Pbx4/Pbx2/Pbx1 |
Homeodomains.HG1.37:NKX6−1/NKX (ARCH1321_Nfya_Pbx4/Pbx2/Pbx1)

zf−C2H2.HG1.35:FEZF1/FEZF2/GFI |
Egr3/Egr1 |
Insm1 (ARCH530_Snai2)



7: 27 peaks (3.7%)
Homeodomains.HG1.53:MNX1 |
Nkx2−2/Nkx2−9 |
Hlx (ARCH1546_Meis3/Meis2/Meis1_...)

zf−C2H2.HG1.35:FEZF1/FEZF2/GFI |
Egr3/Egr1 |
Insm1 (ARCH530_Snai2)

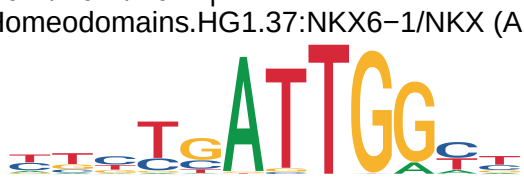


8: 27 peaks (3.7%)
Homeodomains.HG1.53:MNX1 |
Nkx2−2/Nkx2−9 |
Hlx (ARCH1546_Meis3/Meis2/Meis1_...)

HLH.HG1.34:like:ASCL1/ASCL2/AS |
Tcf3/Tcf12/Tcf4 (ARCH477_Ptf1a)

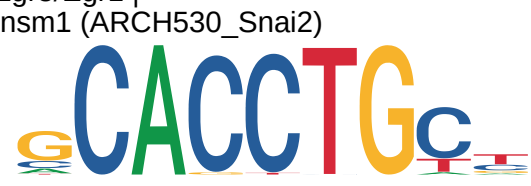
9: 26 peaks (3.5%)
Foxn4/Foxn1 (ARCH954_Foxn4/Foxn1)

Pbx4/Pbx2/Pbx1 |
Homeodomains.HG1.37:NKX6−1/NKX (ARC



10: 25 peaks (3.4%)
Arid3c/Arid3a/Arid3b (ARCH13_Arid2_Arid3b/Arid3a/...)

zf−C2H2.HG1.35:FEZF1/FEZF2/GFI |
Egr3/Egr1 |
Insm1 (ARCH530_Snai2)



11: 23 peaks (3.1%)
Homeodomains.HG1.53:MNX1 |
Nkx2−2/Nkx2−9 |
Hlx (ARCH1546_Meis3/Meis2/Meis1_...)

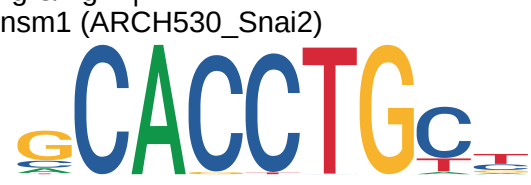
NvSox2 |
NvSoxC (ARCH1170_/Sox4/Sox11_Sox13/..

12: 22 peaks (3.0%)
Arid3c/Arid3a/Arid3b (ARCH13_Arid2_Arid3b/Arid3a/...)

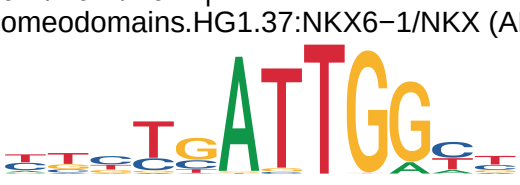
HLH.HG1.34:like:ASCL1/ASCL2/AS |
Tcf3/Tcf12/Tcf4 (ARCH477_Ptf1a)

13: 20 peaks (2.7%)
Foxn4/Foxn1 (ARCH954_Foxn4/Foxn1)

zf−C2H2.HG1.35:FEZF1/FEZF2/GFI |
Egr3/Egr1 |
Insm1 (ARCH530_Snai2)



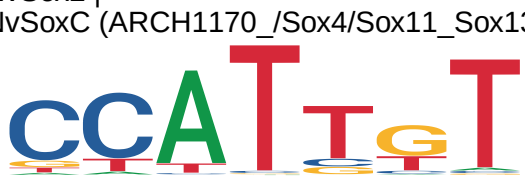
14: 19 peaks (2.6%)
Pbx4/Pbx2/Pbx1 |
Homeodomains.HG1.37:NKX6−1/NKX (ARCH1321_Nfya_Pbx4/Pbx2/Pbx1)



NvSox2 |
NvSoxC (ARCH1170_/Sox4/Sox11_Sox13/..

15: 17 peaks (2.3%)
Foxn4/Foxn1 (ARCH954_Foxn4/Foxn1)

NvSox2 |
NvSoxC (ARCH1170_/Sox4/Sox11_Sox13/..

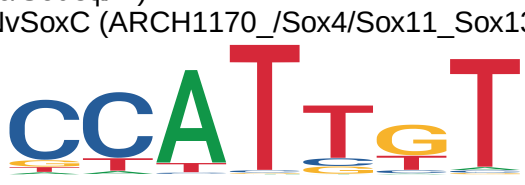


16: 17 peaks (2.3%)
Pbx4/Pbx2/Pbx1 |
Homeodomains.HG1.37:NKX6−1/NKX (ARCH1321_Nfya_Pbx4/Pbx2/Pbx1)

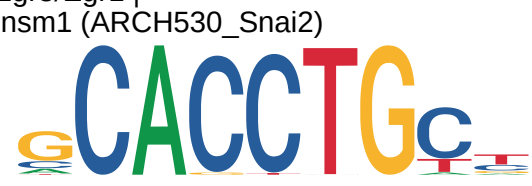
HLH.HG1.34:like:ASCL1/ASCL2/AS |
Tcf3/Tcf12/Tcf4 (ARCH477_Ptf1a)

17: 14 peaks (1.9%)
Arid3c/Arid3a/Arid3b (ARCH13_Arid2_Arid3b/Arid3a/...)

NvSox2 |
NvSoxC (ARCH1170_/Sox4/Sox11_Sox13/..



18: 14 peaks (1.9%)
zf−C2H2.HG1.35:FEZF1/FEZF2/GFI |
Egr3/Egr1 |
Insm1 (ARCH530_Snai2)

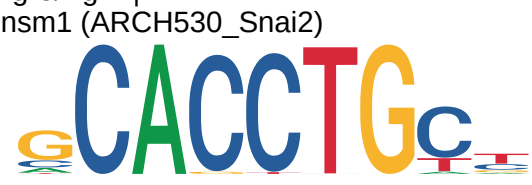


NvSox2 |
NvSoxC (ARCH1170_/Sox4/Sox11_Sox13/..

19: 13 peaks (1.8%)
Foxn4/Foxn1 (ARCH954_Foxn4/Foxn1)

HLH.HG1.34:like:ASCL1/ASCL2/AS |
Tcf3/Tcf12/Tcf4 (ARCH477_Ptf1a)

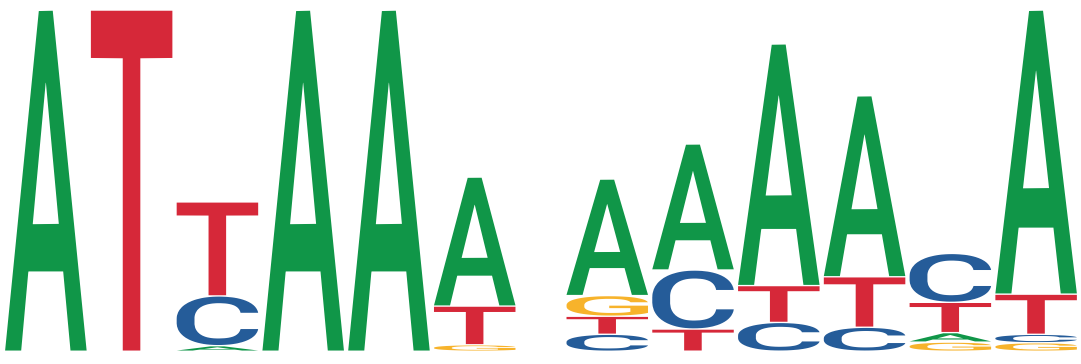
20: 10 peaks (1.4%)
zf−C2H2.HG1.35:FEZF1/FEZF2/GFI |
Egr3/Egr1 |
Insm1 (ARCH530_Snai2)



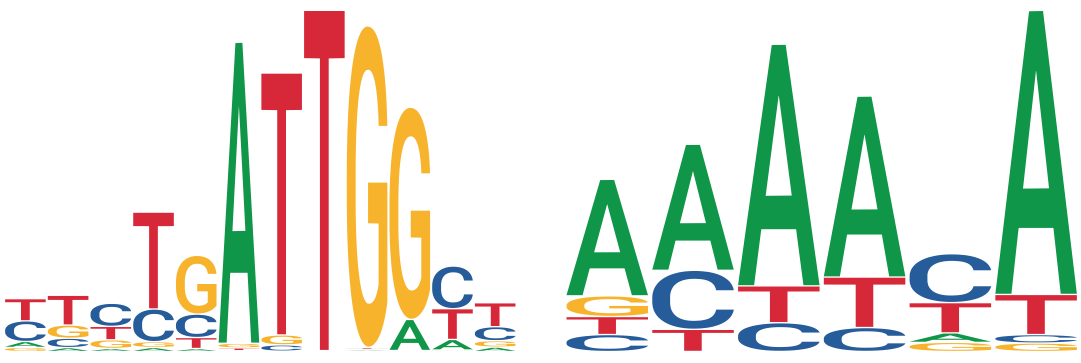
HLH.HG1.34:like:ASCL1/ASCL2/AS |
Tcf3/Tcf12/Tcf4 (ARCH477_Ptf1a)

gland_mucin

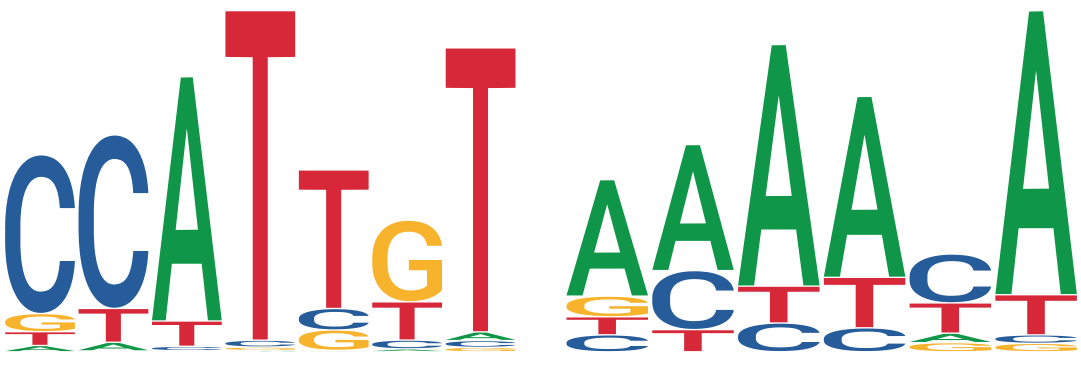
1: 536 peaks (4.1%)
Arid3c/Arid3a/Arid3b (ARCH13_Arid2_Arid3c/Arid3a/...) | FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_...



2: 486 peaks (3.7%)
Pbx4/Pbx2/Pbx1 | Homeodomains.HG1.37:NKX6−1/NKX (ARCH121_Nfya_Pbx4/Pbx2/Pbx1) | FoxL2 | FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_...

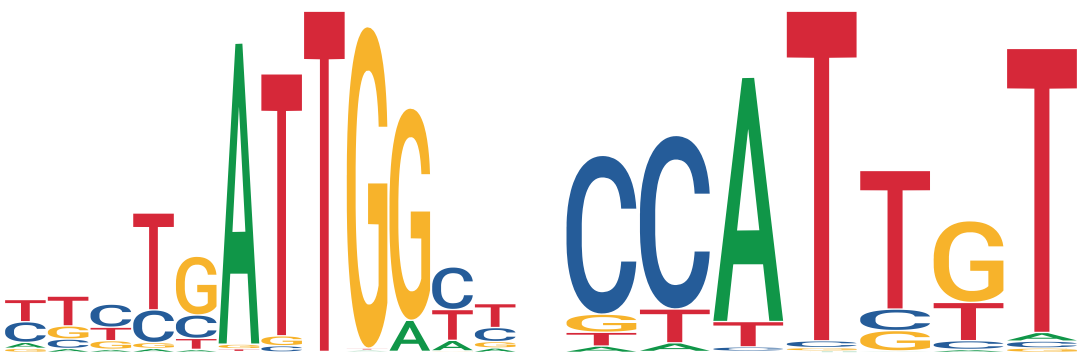


3: 479 peaks (3.7%)
NvSox2 | NvSoxC (ARCH1170_/Sox4/Sox11_Sox13/...) | FoxL2 | FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_...



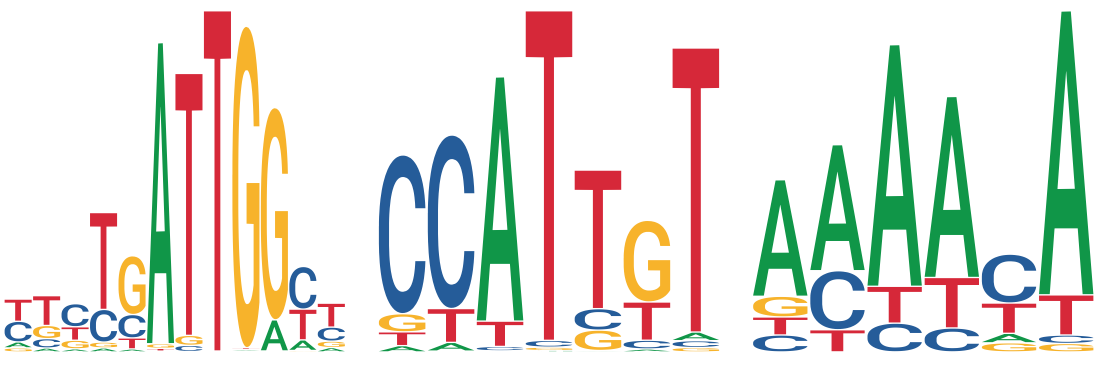
4: 387 peaks (3.0%)
Pbx4/Pbx2/Pbx1 | Homeodomains.HG1.37:NKX6−1/NKX (ARCH121_Nfya_Pbx4/Pbx2/Pbx1) | Arid3c/Arid3a/Arid3b (ARCH13_Arid2_Arid3...

5: 383 peaks (2.9%)
Pbx4/Pbx2/Pbx1 | Homeodomains.HG1.37:NKX6−1/NKX (ARCH121_Nfya_Pbx4/Pbx2/Pbx1) | NvSox2 | NvSoxC (ARCH1170_/Sox4/Sox11_Sox13/...

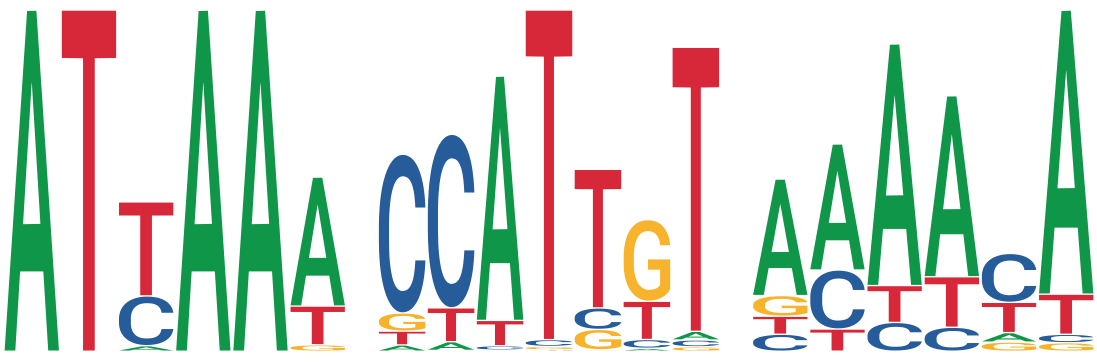


6: 373 peaks (2.9%)
Arid3c/Arid3a/Arid3b (ARCH13_Arid2_Arid3c/Arid3a/...) | NvSoxC (ARCH1170_/Sox4/Sox11_Sox13/...

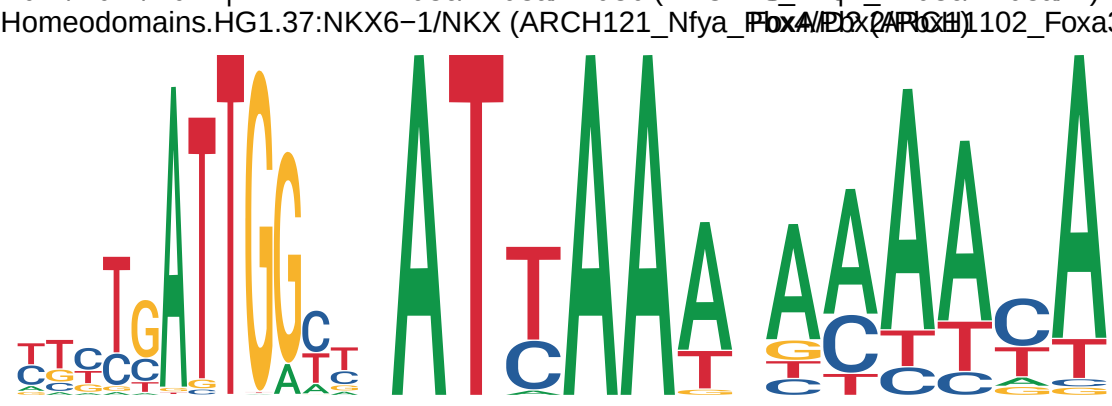
7: 88 peaks (0.7%)
Pbx4/Pbx2/Pbx1 | Homeodomains.HG1.37:NKX6−1/NKX (ARCH121_Nfya_Pbx4/Pbx2/Pbx1) | NvSox2 | NvSoxC (ARCH1170_/Sox4/Sox11_Sox13/...) | FoxL2 | FoxA/D? (ARCH1102_Foxa3/F...



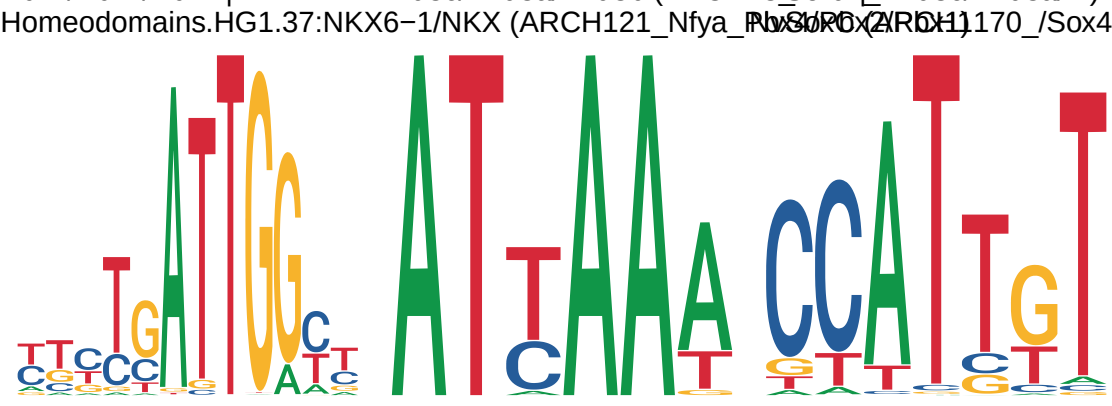
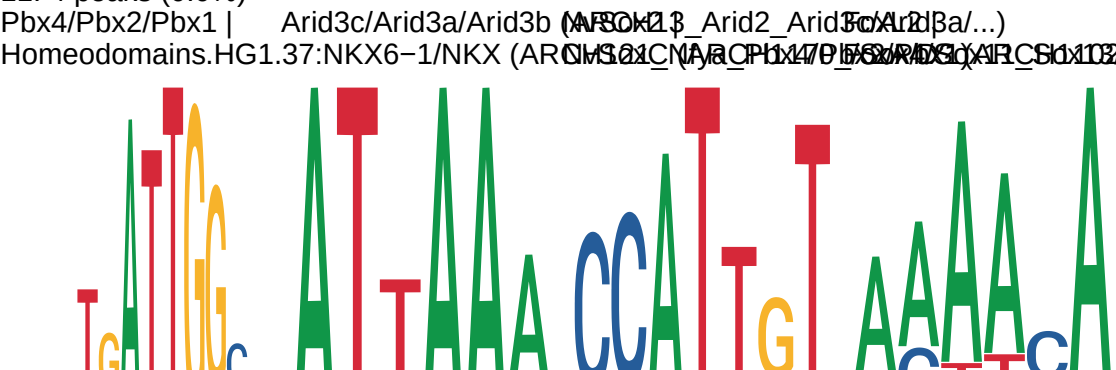
8: 78 peaks (0.6%)
Arid3c/Arid3a/Arid3b (ARCH13_Arid2_Arid3c/Arid3a/...) | NvSoxC (ARCH1170_/Sox4/Sox11_Sox13/...) | FoxL2 | FoxA/D? (ARCH1102_Foxa3/F...



9: 68 peaks (0.5%)
Pbx4/Pbx2/Pbx1 | Homeodomains.HG1.37:NKX6−1/NKX (ARCH121_Nfya_Pbx4/Pbx2/Pbx1) | Arid3c/Arid3a/Arid3b (ARCH13_Arid2_Arid3c/Arid3a/...) | FoxA/D? (ARCH1102_Foxa3/F...



10: 58 peaks (0.4%)
Pbx4/Pbx2/Pbx1 | Homeodomains.HG1.37:NKX6−1/NKX (ARCH121_Nfya_Pbx4/Pbx2/Pbx1) | Arid3c/Arid3a/Arid3b (ARCH13_Arid2_Arid3c/Arid3a/...) | NvSoxC (ARCH1170_/Sox4/S...



11: 4 peaks (0.0%)
Pbx4/Pbx2/Pbx1 | Homeodomains.HG1.37:NKX6−1/NKX (ARCH121_Nfya_Pbx4/Pbx2/Pbx1) | Arid3c/Arid3a/Arid3b (ARCH13_Arid2_Arid3c/Arid3a/...) | NvSox2 | NvSox11 (ARCH1...