cnidocyte

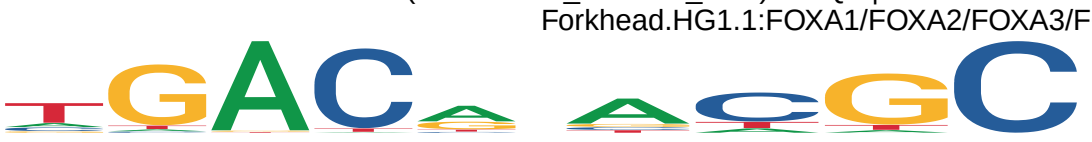
1: 520 peaks (26.0%)
ARCH483_Tbx3/Tbx2 | Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FO

2: 419 peaks (20.9%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... | ARCH1408_GATA20 (ARCH895_Foxn4/Foxn1)

3: 322 peaks (16.1%)
ARCH483_Tbx3/Tbx2 | ARCH1408_GATA20

4: 296 peaks (14.8%)
BHMG1 | HLH.HG1.29:MYC/MYCL/MYCN | Sohlh2 | Ahr/Ahrr | AshA | HLH.HG1.29:MYC/MYCL/MYCN (ARCH867_ZEB1__PL0011.1_hlh−...) | Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FO

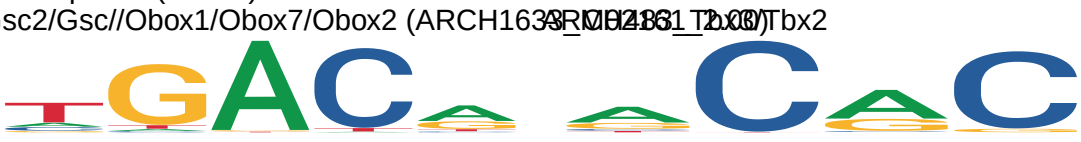
5: 291 peaks (14.5%)
Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633_M02161_2.00) | Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FO



6: 235 peaks (11.7%)
BHMG1 | HLH.HG1.29:MYC/MYCL/MYCN | Sohlh2 | Ahr/Ahrr | AshA | HLH.HG1.29:MYC/MYCL/MYCN (ARCH867_ZEB1__PL0011.1_hlh−...) | ARCH483_Tbx3/Tbx2

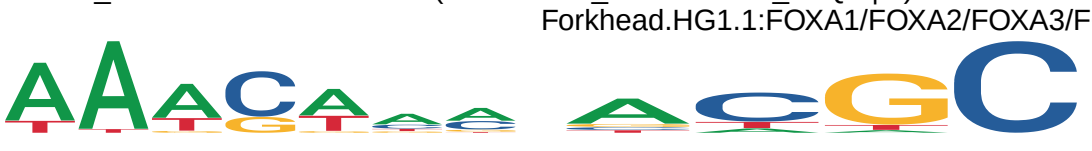
7: 220 peaks (11.0%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... | FoxL2 | FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_...) | ARCH895_Foxn4/Foxn1

8: 215 peaks (10.7%)
Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633_M02161_2.00) | ARCH483_Tbx3/Tbx2

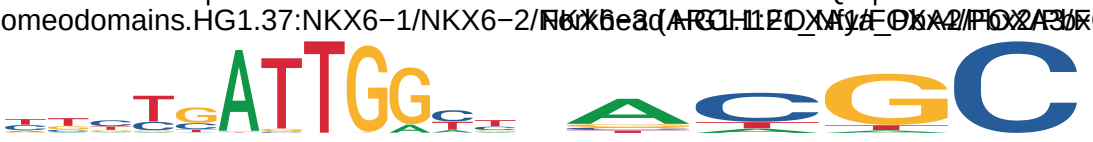


9: 198 peaks (9.9%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... | Pou4 (ARCH56_POU4F1) | (ARCH895_Foxn4/Foxn1)

10: 188 peaks (9.4%)
HMGbox_Sox.HG1.37:like:SSRP1 (ARCH1177_Sox4/Sox11_SOXC13/...) | Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FO



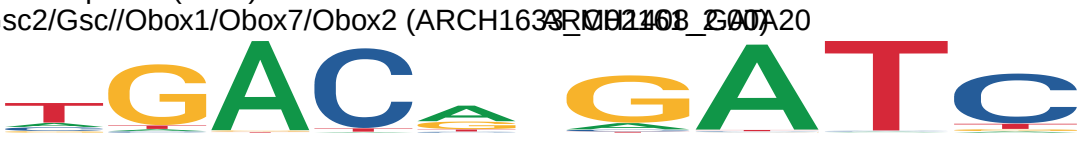
11: 184 peaks (9.2%)
Pbx4/Pbx2/Pbx1 | Homeodomains.HG1.37:NKX6−1/NKX6−2/NKX6−3 (ARCH1121_Nkx6-3_DBX2/PDX2/Pdx1) | Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FO



12: 181 peaks (9.0%)
BHMG1 | HLH.HG1.29:MYC/MYCL/MYCN | Sohlh2 | Ahr/Ahrr | AshA | HLH.HG1.29:MYC/MYCL/MYCN (ARCH867_ZEB1__PL0011.1_hlh−...) | ARCH1408_GATA20

13: 180 peaks (9.0%)
ARCH483_Tbx3/Tbx2 | Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (A | ARCH1408_GATA20

14: 175 peaks (8.7%)
Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633_M02161_2.00) | ARCH1408_GATA20



15: 173 peaks (8.6%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... | ARCH1475_GATA15 (ARCH895_Foxn4/Foxn1)

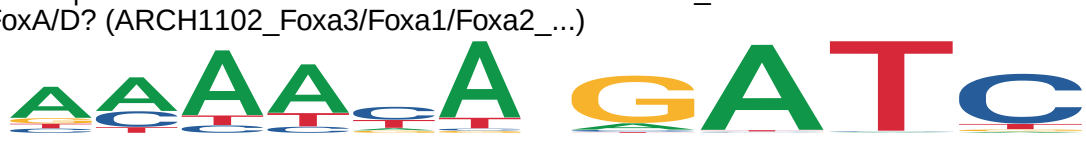
16: 171 peaks (8.5%)
ARCH483_Tbx3/Tbx2 | FoxL2 | FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_...)

17: 142 peaks (7.1%)
Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633_M02161_2.00) | ARCH483_Tbx3/Tbx2 | Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA

18: 140 peaks (7.0%)
HMGbox_Sox.HG1.37:like:SSRP1 (ARCH1177_Sox4/Sox11_SOXC13/...) | ARCH483_Tbx3/Tbx2

19: 135 peaks (6.7%)
BHMG1 | HLH.HG1.29:MYC/MYCL/MYCN | Sohlh2 | Ahr/Ahrr | AshA | HLH.HG1.29:MYC/MYCL/MYCN (ARCH867_ZEB1__PL0011.1_hlh−...) | ARCH483_Tbx3/Tbx2 | Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA

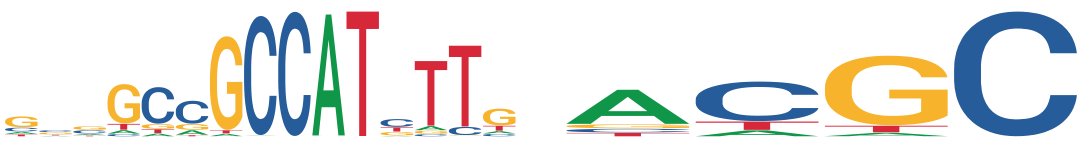
20: 130 peaks (6.5%)
FoxL2 | FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_...) | ARCH1408_GATA20



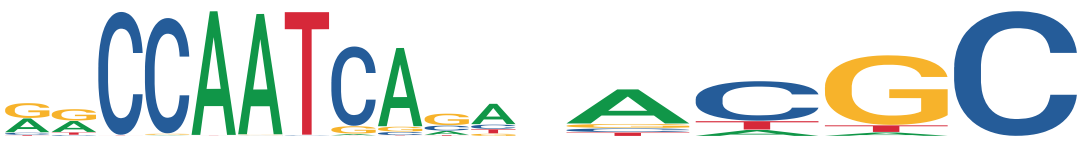
cnidocyte_gastrula

1: 2526 peaks (15.2%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)
ARCH1627_Xbp1

2: 1454 peaks (8.8%)
ARCH419_Yy1
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOX



3: 1176 peaks (7.1%)
Nfya (ARCH178_Foxc2/Foxc1_Foxg1/G...)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOX



4: 1158 peaks (7.0%)
Foxn4/Foxn1 (ARCH954_Foxn4/Foxn1)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOX

5: 1121 peaks (6.8%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)
ARCH1420_RUNX2

6: 1025 peaks (6.2%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)
Max/Ppp5c (ARCH401_Max/Ppp5c_Usf3)

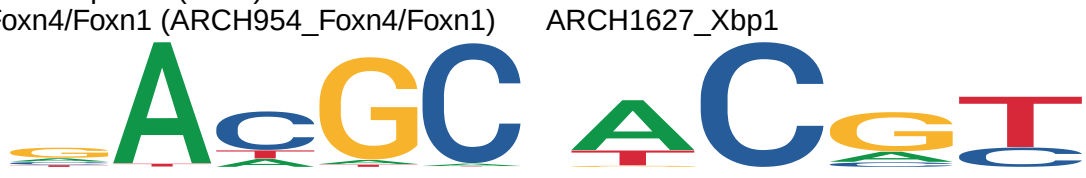
7: 919 peaks (5.5%)
ARCH419_Yy1
ARCH1627_Xbp1

8: 825 peaks (5.0%)
ARCH379_RDS1__M06389_2.00
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOX

9: 776 peaks (4.7%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)
ARCH669_TCP17

10: 744 peaks (4.5%)
Nfya (ARCH178_Foxc2/Foxc1_Foxg1/G...)
ARCH1627_Xbp1

11: 744 peaks (4.5%)
Foxn4/Foxn1 (ARCH954_Foxn4/Foxn1)
ARCH1627_Xbp1



12: 701 peaks (4.2%)
ARCH1420_RUNX2
ARCH1627_Xbp1

13: 684 peaks (4.1%)
ARCH1627_Xbp1
Max/Ppp5c (ARCH401_Max/Ppp5c_Usf3)

14: 541 peaks (3.3%)
ARCH419_Yy1
ARCH1420_RUNX2

15: 513 peaks (3.1%)
ARCH379_RDS1__M06389_2.00
ARCH1627_Xbp1

16: 477 peaks (2.9%)
ARCH669_TCP17
ARCH1627_Xbp1

17: 462 peaks (2.8%)
ARCH419_Yy1
ARCH669_TCP17

18: 428 peaks (2.6%)
Foxn4/Foxn1 (ARCH954_Foxn4/Foxn1)
ARCH419_Yy1

19: 422 peaks (2.5%)
ARCH419_Yy1
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (A
ARCH1627_Xbp1

20: 414 peaks (2.5%)
Nfya (ARCH178_Foxc2/Foxc1_Foxg1/G...)
Max/Ppp5c (ARCH401_Max/Ppp5c_Usf3)

ecto_pharynx

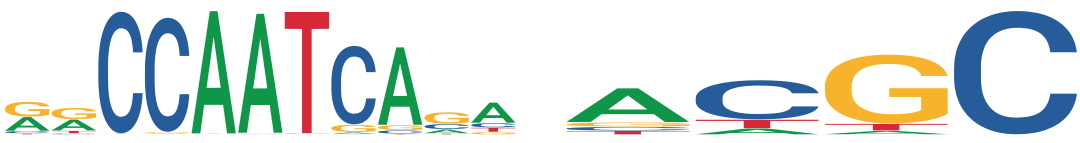
1: 3397 peaks (16.6%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)
ARCH1627_Xbp1

2: 1713 peaks (8.4%)
Foxn4/Foxn1 (ARCH954_Foxn4/Foxn1)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOX

3: 1689 peaks (8.2%)
ARCH419_Yy1
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOX

4: 1373 peaks (6.7%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)
ARCH1420_RUNX2

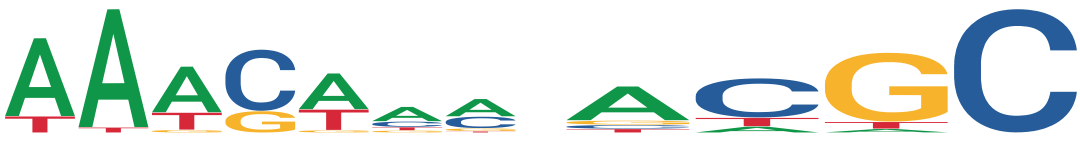
5: 1361 peaks (6.6%)
Nfya (ARCH178_Foxc2/Foxc1_Foxg1/G...)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOX



6: 1092 peaks (5.3%)
ARCH379_RDS1__M06389_2.00
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOX

7: 1088 peaks (5.3%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)
Max/Ppp5c (ARCH401_Max/Ppp5c_Usf3)

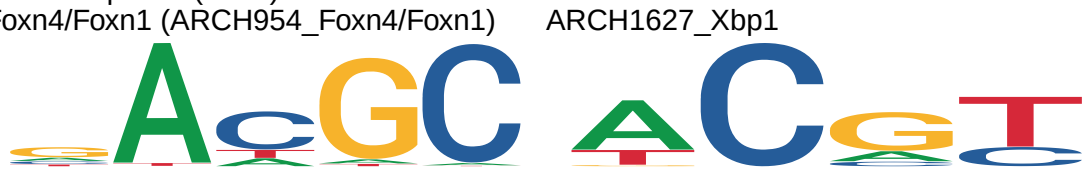
8: 1079 peaks (5.3%)
HMGbox_Sox.HG1.37:like:SSRP1 (ARCH1177_Sox4/Sox11_Sox13/...)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOX



9: 1054 peaks (5.1%)
ARCH419_Yy1
ARCH1627_Xbp1

10: 1041 peaks (5.1%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)
ARCH1138_/Sox4/Sox11_Sox13/...

11: 1032 peaks (5.0%)
Foxn4/Foxn1 (ARCH954_Foxn4/Foxn1)
ARCH1627_Xbp1



12: 831 peaks (4.1%)
ARCH1627_Xbp1
ARCH1420_RUNX2

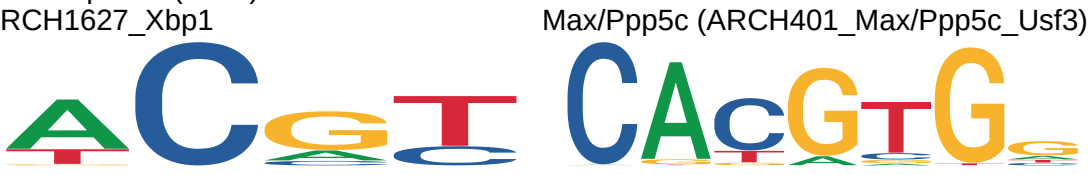
13: 823 peaks (4.0%)
Nfya (ARCH178_Foxc2/Foxc1_Foxg1/G...)
ARCH1627_Xbp1

14: 752 peaks (3.7%)
HMGbox_Sox.HG1.37:like:SSRP1 (ARCH1177_Sox4/Sox11_Sox13/...)
ARCH1627_Xbp1

15: 693 peaks (3.4%)
ARCH379_RDS1__M06389_2.00
ARCH1627_Xbp1

16: 691 peaks (3.4%)
ARCH1138_/Sox4/Sox11_Sox13/...
ARCH1627_Xbp1

17: 687 peaks (3.4%)
ARCH1627_Xbp1
Max/Ppp5c (ARCH401_Max/Ppp5c_Usf3)



18: 628 peaks (3.1%)
ARCH419_Yy1
ARCH1420_RUNX2

19: 547 peaks (2.7%)
Foxn4/Foxn1 (ARCH954_Foxn4/Foxn1)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (A
ARCH1627_Xbp1

20: 521 peaks (2.5%)
Foxn4/Foxn1 (ARCH954_Foxn4/Foxn1)
ARCH419_Yy1

ectoderm

1: 2363 peaks (8.6%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)
ARCH419_Yy1

2: 2166 peaks (7.9%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)
ARCH1420_RUNX2

3: 1946 peaks (7.1%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)
ARCH1138_/Sox4/Sox11_Sox13/...

4: 1876 peaks (6.9%)
Nfya (ARCH178_Foxc2/Foxc1_Foxg1/G...)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FO

5: 1748 peaks (6.4%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)
HMGbox_Sox.HG1.37:like:SSRP1 (ARCH11

6: 1626 peaks (5.9%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)
ARCH379_RDS1__M06389_2.00

7: 773 peaks (2.8%)
ARCH419_Yy1
ARCH1420_RUNX2

8: 457 peaks (1.7%)
HMGbox_Sox.HG1.37:like:SSRP1 (ARCH11
ARCH1138_/Sox4/Sox11_Sox13/...

9: 448 peaks (1.6%)
ARCH1420_RUNX2
ARCH1138_/Sox4/Sox11_Sox13/...

10: 425 peaks (1.6%)
ARCH1420_RUNX2
ARCH379_RDS1__M06389_2.00

11: 422 peaks (1.5%)
ARCH419_Yy1
ARCH1138_/Sox4/Sox11_Sox13/...

12: 418 peaks (1.5%)
Nfya (ARCH178_Foxc2/Foxc1_Foxg1/G...)
ARCH419_Yy1

13: 407 peaks (1.5%)
HMGbox_Sox.HG1.37:like:SSRP1 (ARCH11
ARCH1420_RUNX2

14: 405 peaks (1.5%)
ARCH419_Yy1
ARCH379_RDS1__M06389_2.00

15: 400 peaks (1.5%)
Nfya (ARCH178_Foxc2/Foxc1_Foxg1/G...)
ARCH1138_/Sox4/Sox11_Sox13/...

16: 400 peaks (1.5%)
HMGbox_Sox.HG1.37:like:SSRP1 (ARCH11
ARCH1138_/Sox4/Sox11_Sox13/...

17: 400 peaks (1.5%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)
ARCH419_Yy1
ARCH1420_RUNX2

18: 362 peaks (1.3%)
Nfya (ARCH178_Foxc2/Foxc1_Foxg1/G...)
HMGbox_Sox.HG1.37:like:SSRP1 (ARCH11

19: 342 peaks (1.2%)
Nfya (ARCH178_Foxc2/Foxc1_Foxg1/G...)
ARCH1420_RUNX2

20: 315 peaks (1.2%)
Nfya (ARCH178_Foxc2/Foxc1_Foxg1/G...)
ARCH379_RDS1__M06389_2.00

ecto_aboral

1: 2353 peaks (8.9%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)
ARCH419_Yy1

2: 2266 peaks (8.5%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)
ARCH1420_RUNX2

3: 2232 peaks (8.4%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)
FoxL2 | FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_...

4: 1943 peaks (7.3%)
Nfya (ARCH178_Foxc2/Foxc1_Foxg1/G...)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOX

5: 1839 peaks (6.9%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)
ARCH1138_/Sox4/Sox11_Sox13/...

6: 1757 peaks (6.6%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)
HMGbox_Sox.HG1.37:like:SSRP1 (ARCH11

7: 798 peaks (3.0%)
ARCH419_Yy1
ARCH1420_RUNX2

8: 680 peaks (2.6%)
ARCH419_Yy1
FoxL2 | FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_...

9: 524 peaks (2.0%)
ARCH1420_RUNX2
FoxL2 | FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_...

10: 482 peaks (1.8%)
ARCH1138_/Sox4/Sox11_Sox13/...
FoxL2 | FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_...

11: 481 peaks (1.8%)
HMGbox_Sox.HG1.37:like:SSRP1 (ARCH11
FoxL2 | FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_...

12: 447 peaks (1.7%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)
ARCH419_Yy1
ARCH1420_RUNX2

13: 443 peaks (1.7%)
Nfya (ARCH178_Foxc2/Foxc1_Foxg1/G...)
FoxL2 | FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_...

14: 429 peaks (1.6%)
Nfya (ARCH178_Foxc2/Foxc1_Foxg1/G...)
ARCH419_Yy1

15: 428 peaks (1.6%)
HMGbox_Sox.HG1.37:like:SSRP1 (ARCH11
ARCH1138_/Sox4/Sox11_Sox13/...

16: 425 peaks (1.6%)
ARCH1420_RUNX2
ARCH1138_/Sox4/Sox11_Sox13/...

17: 402 peaks (1.5%)
HMGbox_Sox.HG1.37:like:SSRP1 (ARCH11
ARCH1420_RUNX2

18: 394 peaks (1.5%)
HMGbox_Sox.HG1.37:like:SSRP1 (ARCH11
ARCH1138_/Sox4/Sox11_Sox13/...

19: 393 peaks (1.5%)
Nfya (ARCH178_Foxc2/Foxc1_Foxg1/G...)
ARCH1138_/Sox4/Sox11_Sox13/...

20: 387 peaks (1.5%)
ARCH419_Yy1
ARCH1138_/Sox4/Sox11_Sox13/...

EMS

1: 9009 peaks (34.8%)
ARCH438_Spdef

Forkhead.HG1.5:FOXQ1 |
Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FO

2: 8153 peaks (31.5%)
ARCH1408_GATA20

ARCH438_Spdef

3: 5957 peaks (23.0%)
ARCH438_Spdef

ARCH1627_Xbp1

4: 5174 peaks (20.0%)
ARCH1408_GATA20

Forkhead.HG1.5:FOXQ1 |
Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FO

5: 3899 peaks (15.1%)
Forkhead.HG1.5:FOXQ1 |
Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB...

ARCH1627_Xbp1 (ARCH895_Foxn4/Foxn1)

6: 3822 peaks (14.8%)
ARCH1408_GATA20

ARCH438_Spdef

Forkhead.HG1.5:FOXQ1 |
Forkhead.HG1.1:FOXA1/FOXA

7: 3478 peaks (13.4%)
ARCH1408_GATA20

ARCH1627_Xbp1

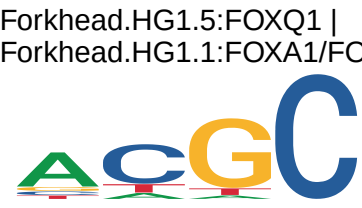
8: 3155 peaks (12.2%)
ARCH438_Spdef

Foxn4/Foxn1 (ARCH954_Foxn4/Foxn1)

9: 3074 peaks (11.9%)
ARCH438_Spdef

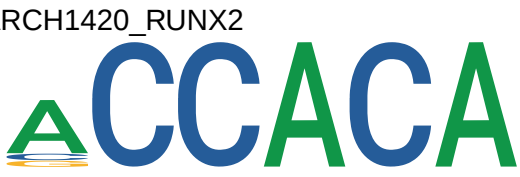
ARCH419_Yy1

10: 2849 peaks (11.0%)
ARCH438_Spdef

Forkhead.HG1.5:FOXQ1 |
Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (A


ARCH1627_Xbp1

11: 2727 peaks (10.5%)
ARCH438_Spdef

ARCH1420_RUNX2


12: 2602 peaks (10.1%)
ARCH1408_GATA20

ARCH438_Spdef

ARCH1627_Xbp1

13: 2416 peaks (9.3%)
Nfya (ARCH178_Foxc2/Foxc1_Foxg1/G...)

ARCH438_Spdef

14: 2155 peaks (8.3%)
ARCH379_RDS1__M06389_2.00

ARCH438_Spdef

15: 2065 peaks (8.0%)
Foxn4/Foxn1 (ARCH954_Foxn4/Foxn1)

Forkhead.HG1.5:FOXQ1 |
Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FO

16: 1847 peaks (7.1%)
ARCH1408_GATA20

Foxn4/Foxn1 (ARCH954_Foxn4/Foxn1)

17: 1692 peaks (6.5%)
ARCH419_Yy1

Forkhead.HG1.5:FOXQ1 |
Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FO

18: 1682 peaks (6.5%)
ARCH1408_GATA20

Forkhead.HG1.5:FOXQ1 |
Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (A

ARCH1627_Xbp1

19: 1622 peaks (6.3%)
Forkhead.HG1.5:FOXQ1 |
Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)

ARCH1420_RUNX2

20: 1534 peaks (5.9%)
ARCH1408_GATA20

ARCH1420_RUNX2

EMS_ecto_boundary

1: 5477 peaks (38.4%)
ARCH438_Spdef

Forkhead.HG1.5:FOXQ1 |
Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FO

2: 3460 peaks (24.2%)
ARCH438_Spdef

ARCH1627_Xbp1

3: 2354 peaks (16.5%)
Forkhead.HG1.5:FOXQ1 |
Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)

ARCH1627_Xbp1

4: 2255 peaks (15.8%)
ARCH438_Spdef

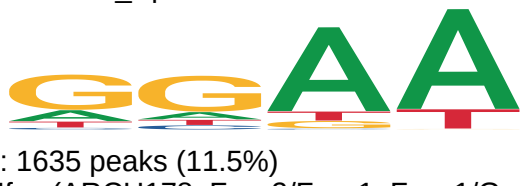
ARCH419_Yy1

5: 1806 peaks (12.7%)
ARCH438_Spdef

Forkhead.HG1.5:FOXQ1 |
Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (A

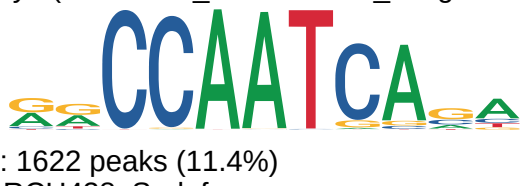
ARCH1627_Xbp1

6: 1645 peaks (11.5%)
ARCH438_Spdef



Foxn4/Foxn1 (ARCH954_Foxn4/Foxn1)

7: 1635 peaks (11.5%)
Nfya (ARCH178_Foxc2/Foxc1_Foxg1/G...)

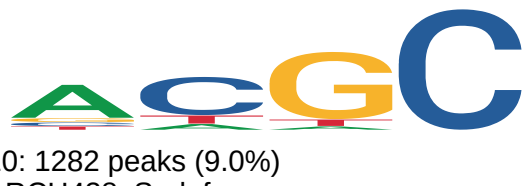


ARCH438_Spdef

8: 1622 peaks (11.4%)
ARCH438_Spdef

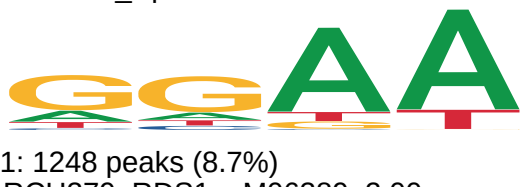
ARCH1420_RUNX2

9: 1288 peaks (9.0%)
Forkhead.HG1.5:FOXQ1 |
Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)



ARCH419_Yy1

10: 1282 peaks (9.0%)
ARCH438_Spdef



Max/Ppp5c (ARCH401_Max/Ppp5c_Usf3)

11: 1248 peaks (8.7%)
ARCH379_RDS1__M06389_2.00

ARCH438_Spdef

12: 1191 peaks (8.3%)
ARCH438_Spdef

HMGbox_Sox.HG1.37:like:SSRP1 (ARCH11

13: 1085 peaks (7.6%)
Foxn4/Foxn1 (ARCH954_Foxn4/Foxn1)

Forkhead.HG1.5:FOXQ1 |
Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FO

14: 1065 peaks (7.5%)
Nfya (ARCH178_Foxc2/Foxc1_Foxg1/G...)

Forkhead.HG1.5:FOXQ1 |
Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FO

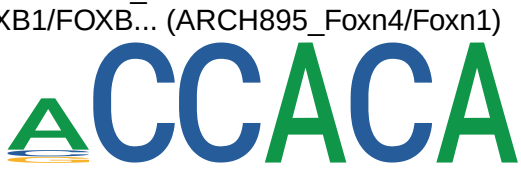
15: 1021 peaks (7.2%)
ARCH438_Spdef

Forkhead.HG1.5:FOXQ1 |
Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (A

ARCH419_Yy1

16: 966 peaks (6.8%)
Forkhead.HG1.5:FOXQ1 |
Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)

ARCH1420_RUNX2



17: 897 peaks (6.3%)
Forkhead.HG1.5:FOXQ1 |
Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)

Max/Ppp5c (ARCH401_Max/Ppp5c_Usf3)

18: 825 peaks (5.8%)
ARCH438_Spdef

Foxn4/Foxn1 (ARCH954_Foxn4/Foxn1)

Forkhead.HG1.5:FOXQ1 |
Forkhead.HG1.1:FOXA1/FOXA

19: 823 peaks (5.8%)
Nfya (ARCH178_Foxc2/Foxc1_Foxg1/G...)

ARCH438_Spdef

Forkhead.HG1.5:FOXQ1 |
Forkhead.HG1.1:FOXA1/FOXA

20: 820 peaks (5.7%)
ARCH379_RDS1__M06389_2.00

Forkhead.HG1.5:FOXQ1 |
Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FO

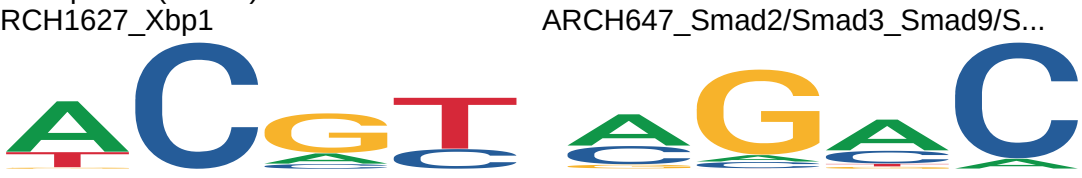
gastro_circular_muscle_1

1: 850 peaks (40.7%)
ARCH647_Smad2/Smad3_Smad9/S...
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FO

2: 676 peaks (32.4%)
ARCH647_Smad2/Smad3_Smad9/S...
ARCH1408_GATA20

3: 656 peaks (31.4%)
ARCH647_Smad2/Smad3_Smad9/S...
ARCH483_Tbx3/Tbx2

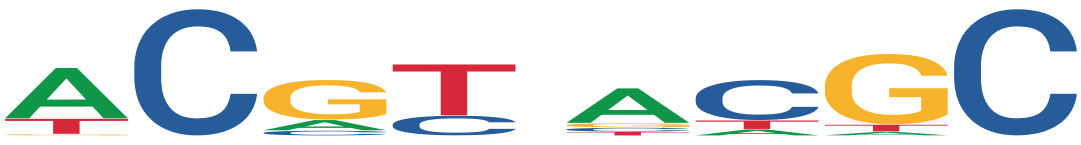
4: 591 peaks (28.3%)
ARCH1627_Xbp1
ARCH647_Smad2/Smad3_Smad9/S...



5: 544 peaks (26.1%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB...
ARCH1408_GATA20 (ARCH895_Foxn4/Foxn1)

6: 506 peaks (24.2%)
ARCH483_Tbx3/Tbx2
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FO

7: 467 peaks (22.4%)
ARCH1627_Xbp1
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FO



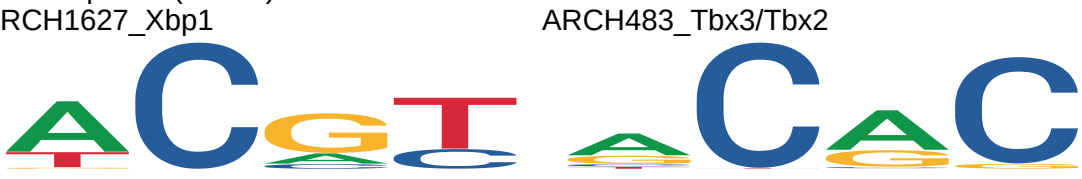
8: 404 peaks (19.3%)
ARCH483_Tbx3/Tbx2
ARCH1408_GATA20

9: 384 peaks (18.4%)
ARCH647_Smad2/Smad3_Smad9/S...
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB...
ARCH1408_GATA20 (A

10: 369 peaks (17.7%)
Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH163
ARCH647_Smad2/Smad3_Smad9/S...

11: 365 peaks (17.5%)
ARCH1627_Xbp1
ARCH1408_GATA20

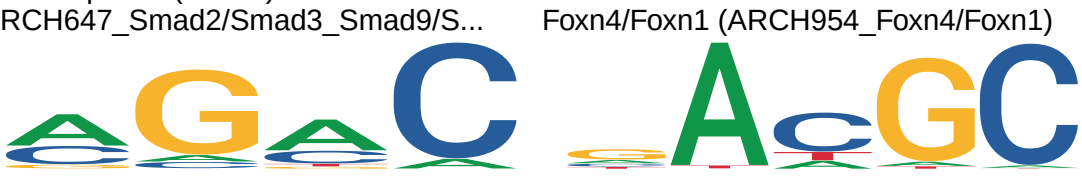
12: 362 peaks (17.3%)
ARCH1627_Xbp1
ARCH483_Tbx3/Tbx2



13: 356 peaks (17.0%)
ARCH647_Smad2/Smad3_Smad9/S...
ARCH483_Tbx3/Tbx2
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA

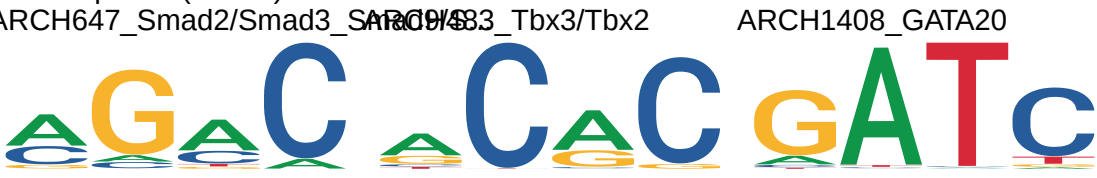
14: 330 peaks (15.8%)
ARCH1627_Xbp1
ARCH647_Smad2/Smad3_Smad9/S...
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA

15: 328 peaks (15.7%)
ARCH647_Smad2/Smad3_Smad9/S...
Foxn4/Foxn1 (ARCH954_Foxn4/Foxn1)

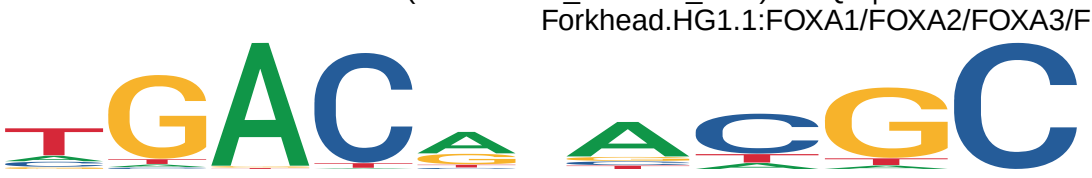


16: 312 peaks (14.9%)
ARCH647_Smad2/Smad3_Smad9/S...
ARCH1595_Nr2c1/Nr2c2_Nr2f1/...

17: 291 peaks (13.9%)
ARCH647_Smad2/Smad3_Smad9/S...
ARCH483_Tbx3/Tbx2
ARCH1408_GATA20



18: 288 peaks (13.8%)
Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH163
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FO



19: 269 peaks (12.9%)
ARCH1627_Xbp1
ARCH647_Smad2/Smad3_Smad9/S...
ARCH1408_GATA20

20: 256 peaks (12.3%)
ARCH1627_Xbp1
ARCH647_Smad2/Smad3_Smad9/S...
ARCH483_Tbx3/Tbx2

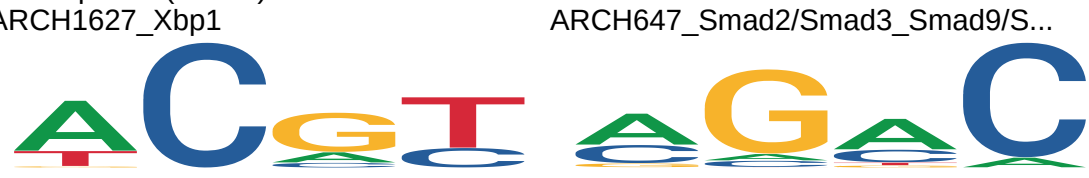
gastro_circular_muscle_2

1: 846 peaks (34.9%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)
ARCH647_Smad2/Smad3_Smad9/S...

2: 754 peaks (31.1%)
ARCH483_Tbx3/Tbx2
ARCH647_Smad2/Smad3_Smad9/S...

3: 747 peaks (30.8%)
ARCH1408_GATA20
ARCH647_Smad2/Smad3_Smad9/S...

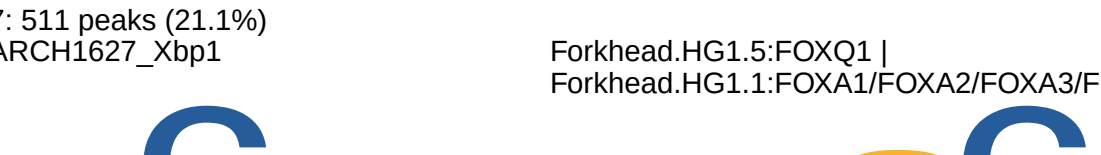
4: 635 peaks (26.2%)
ARCH1627_Xbp1
ARCH647_Smad2/Smad3_Smad9/S...



5: 595 peaks (24.5%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)
ARCH1408_GATA20

6: 576 peaks (23.8%)
ARCH483_Tbx3/Tbx2
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOX

7: 511 peaks (21.1%)
ARCH1627_Xbp1
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOX



8: 507 peaks (20.9%)
ARCH483_Tbx3/Tbx2
ARCH1408_GATA20

9: 428 peaks (17.7%)
ARCH1627_Xbp1
ARCH483_Tbx3/Tbx2

10: 413 peaks (17.0%)
ARCH1627_Xbp1
ARCH1408_GATA20

11: 388 peaks (16.0%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)
ARCH1408_GATA20
ARCH647_Smad2/Smad3_Sm

12: 377 peaks (15.6%)
ARCH483_Tbx3/Tbx2
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (A
ARCH647_Smad2/Smad3_Sm

13: 353 peaks (14.6%)
ARCH647_Smad2/Smad3_Smad9/S...
Foxn4/Foxn1 (ARCH954_Foxn4/Foxn1)

14: 343 peaks (14.2%)
ARCH1627_Xbp1
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (A
ARCH647_Smad2/Smad3_Sm

15: 337 peaks (13.9%)
ARCH483_Tbx3/Tbx2
ARCH1408_GATA20
ARCH647_Smad2/Smad3_Sm

16: 282 peaks (11.6%)
ARCH1627_Xbp1
ARCH483_Tbx3/Tbx2
ARCH647_Smad2/Smad3_Sm

17: 279 peaks (11.5%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)
Foxn4/Foxn1 (ARCH954_Foxn4/Foxn1)

18: 274 peaks (11.3%)
ARCH1627_Xbp1
ARCH1408_GATA20
ARCH647_Smad2/Smad3_Sm

19: 265 peaks (10.9%)
ARCH483_Tbx3/Tbx2
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (A
ARCH1408_GATA20

20: 243 peaks (10.0%)
ARCH483_Tbx3/Tbx2
Foxn4/Foxn1 (ARCH954_Foxn4/Foxn1)

gastro_parietal_muscle

1: 745 peaks (37.5%)
ARCH647_Smad2/Smad3_Smad9/S...

Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FO

2: 553 peaks (27.8%)
ARCH647_Smad2/Smad3_Smad9/S...

ARCH483_Tbx3/Tbx2

3: 541 peaks (27.2%)
ARCH647_Smad2/Smad3_Smad9/S...

ARCH1408_GATA20

4: 509 peaks (25.6%)
ARCH1627_Xbp1

ARCH647_Smad2/Smad3_Smad9/S...

5: 436 peaks (21.9%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)

ARCH1408_GATA20

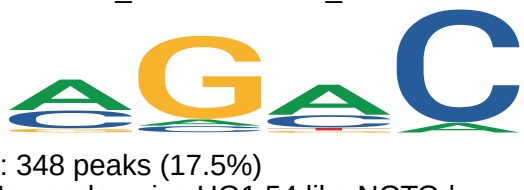
6: 418 peaks (21.0%)
ARCH1627_Xbp1

Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FO

7: 415 peaks (20.9%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)

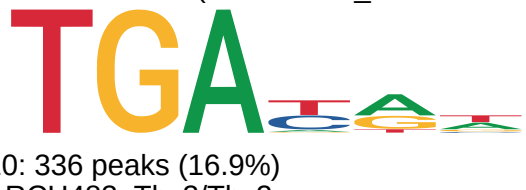
ARCH483_Tbx3/Tbx2

8: 403 peaks (20.3%)
ARCH647_Smad2/Smad3_Smad9/S...



Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633

9: 348 peaks (17.5%)
Homeodomains.HG1.54:like:NOTO | VAx−EMX−Like (ARCH1552_Pbx4/Pbx2/Pbx1)



ARCH647_Smad2/Smad3_Smad9/S...

10: 336 peaks (16.9%)
ARCH483_Tbx3/Tbx2

ARCH1408_GATA20

11: 312 peaks (15.7%)
ARCH1627_Xbp1

ARCH1408_GATA20

12: 306 peaks (15.4%)
ARCH1627_Xbp1

ARCH483_Tbx3/Tbx2

13: 297 peaks (14.9%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)

Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633

14: 287 peaks (14.4%)
ARCH647_Smad2/Smad3_Smad9/S...

Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (A

ARCH1408_GATA20

15: 283 peaks (14.2%)
ARCH647_Smad2/Smad3_Smad9/S...

Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (A

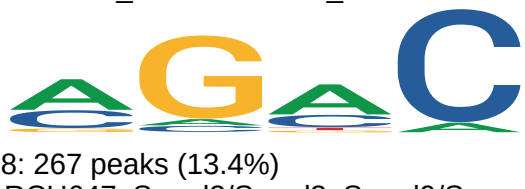
ARCH483_Tbx3/Tbx2

16: 278 peaks (14.0%)
ARCH1627_Xbp1

ARCH647_Smad2/Smad3_Smad9/S...

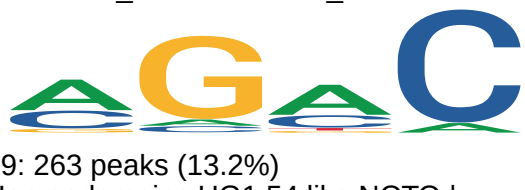
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA

17: 268 peaks (13.5%)
ARCH647_Smad2/Smad3_Smad9/S...



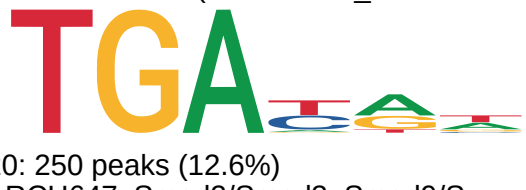
ARCH1722_Nr2c1/Nr2c2_Nr2f1/...

18: 267 peaks (13.4%)
ARCH647_Smad2/Smad3_Smad9/S...



Hlx (ARCH1545_Meis3/Meis2/Meis1_...)

19: 263 peaks (13.2%)
Homeodomains.HG1.54:like:NOTO | VAx−EMX−Like (ARCH1552_Pbx4/Pbx2/Pbx1)



Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FO

20: 250 peaks (12.6%)
ARCH647_Smad2/Smad3_Smad9/S...

Foxn4/Foxn1 (ARCH954_Foxn4/Foxn1)

gastro_IRF1_2

1: 301 peaks (54.5%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)
ARCH438_Spdef

2: 181 peaks (32.8%)
ARCH438_Spdef
Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633

3: 171 peaks (31.0%)
ARCH1627_Xbp1
ARCH438_Spdef

4: 137 peaks (24.8%)
ARCH1627_Xbp1
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOX

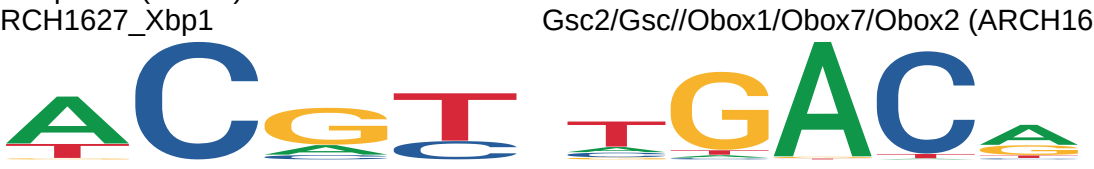
5: 137 peaks (24.8%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)
Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633

6: 115 peaks (20.8%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)
ARCH438_Spdef
Gsc2/Gsc//Obox1/Obox7/Obo

7: 113 peaks (20.5%)
ARCH1627_Xbp1
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (A
ARCH438_Spdef

8: 94 peaks (17.0%)
IRF1−2c | IRF.HG1.1:IRF1/IRF2/IRF3/IRF4/IRF5/IRF6/IRF... | Irf7/Irf4/Irf8/Irf5/Irf9/Irf6/Irf3 (ARCH591_ISRE__IRF3__IRF8)
ARCH438_Spdef

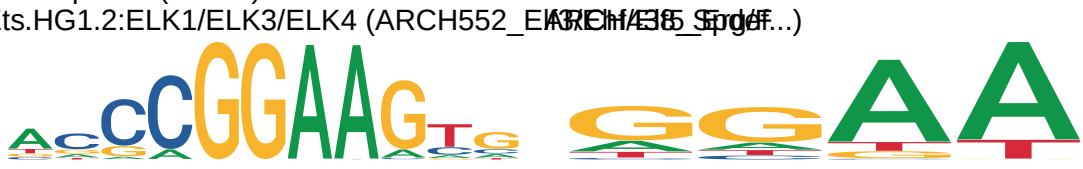
9: 85 peaks (15.4%)
ARCH1627_Xbp1
Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633



10: 76 peaks (13.8%)
ARCH438_Spdef
ARCH633_STE12__CHR

11: 74 peaks (13.4%)
ARCH1627_Xbp1
ARCH438_Spdef
Gsc2/Gsc//Obox1/Obox7/Obo

12: 73 peaks (13.2%)
Ets.HG1.2:ELK1/ELK3/ELK4 (ARCH552_ELK3/ELK4_Ergr...)
ARCH438_Spdef



13: 68 peaks (12.3%)
IRF1−2c | IRF.HG1.1:IRF1/IRF2/IRF3/IRF4/IRF5/IRF6/IRF... | Irf7/Irf4/Irf8/Irf5/Irf9/Irf6/Irf3 (ARCH591_ISRE__IRF3__IRF8)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOX

14: 66 peaks (12.0%)
ARCH438_Spdef
ARCH816_Pax7/Pax3

15: 65 peaks (11.8%)
Ets.HG1.2:ELK1/ELK3/ELK4 (ARCH552_ELK3/ELK4_Ergr...)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOX

16: 58 peaks (10.5%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)
ARCH816_Pax7/Pax3

17: 56 peaks (10.1%)
Ets.HG1.2:ELK1/ELK3/ELK4 (ARCH552_ELK3/ELK4_Ergr...)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (A
ARCH438_Spdef

18: 55 peaks (10.0%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)
ARCH633_STE12__CHR

19: 55 peaks (10.0%)
ARCH438_Spdef
ARCH426_Egr3/Egr1

20: 55 peaks (10.0%)
ARCH1627_Xbp1
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (A
Gsc2/Gsc//Obox1/Obox7/Obo

gastro_somatic_gonad

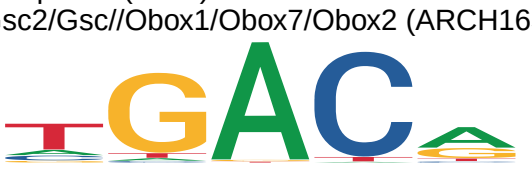
1: 11 peaks (10.5%)
Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633_M02161_2.00)

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

2: 10 peaks (9.5%)
ARCH1439_Dmbx1_Gsc2/Gsc//Ob...

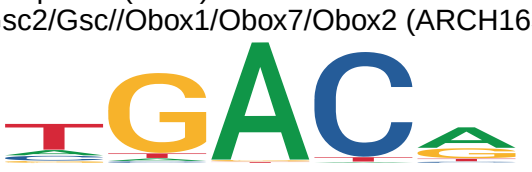
Homeodomains.HG1.53:MNX1 |
Nkx2−2/Nkx2−9 |
Hlx (ARCH1546_Meis3/Meis2/Meis1_...)

3: 9 peaks (8.6%)
Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633_M02161_2.00)



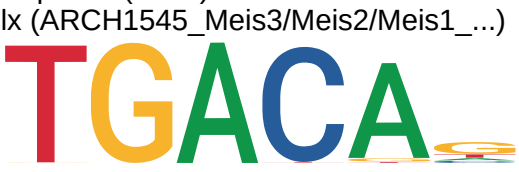
Hlx (ARCH1545_Meis3/Meis2/Meis1_...)

4: 9 peaks (8.6%)
Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633_M02161_2.00)



Homeodomains.HG1.21:BARX1/BARX2/BSX

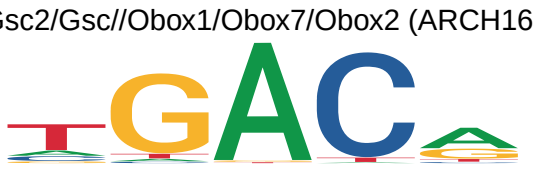
5: 9 peaks (8.6%)
Hlx (ARCH1545_Meis3/Meis2/Meis1_...)



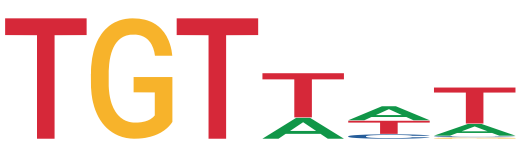
Homeodomains.HG1.21:BARX1/BARX2/BSX

6: 8 peaks (7.6%)
ARCH1631_WRKY40__PH0140.1_P...

Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633



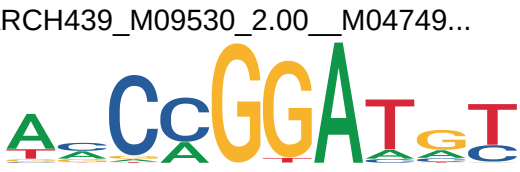
7: 8 peaks (7.6%)
Homeodomains.HG1.21:BARX1/BARX2/BSX



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

8: 7 peaks (6.7%)
ARCH1631_WRKY40__PH0140.1_P...

ARCH439_M09530_2.00__M04749...



9: 7 peaks (6.7%)
Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633_M02161_2.00)

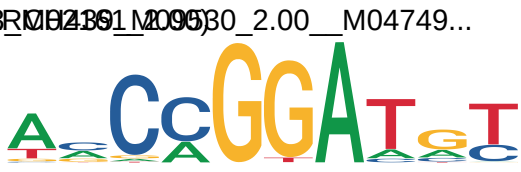
ARCH1439_Dmbx1_Gsc2/Gsc//Ob...

10: 6 peaks (5.7%)
ARCH1631_WRKY40__PH0140.1_P...

Hlx (ARCH1545_Meis3/Meis2/Meis1_...)

11: 6 peaks (5.7%)
Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633_M02161_2.00)

ARCH439_M09530_2.00__M04749...



12: 5 peaks (4.8%)
Hlx (ARCH1545_Meis3/Meis2/Meis1_...)

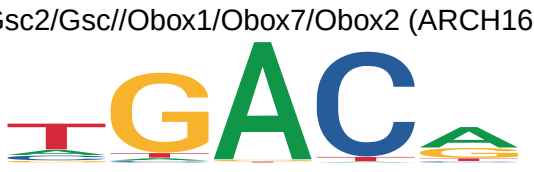
Homeodomains.HG1.53:MNX1 |
Nkx2−2/Nkx2−9 |
Hlx (ARCH1546_Meis3/Meis2/Meis1_...)

13: 5 peaks (4.8%)
Homeodomains.HG1.21:BARX1/BARX2/BSX

ARCH1439_Dmbx1_Gsc2/Gsc//Ob...

14: 4 peaks (3.8%)
ARCH1429_Dmbx1_Gsc2/Gsc//Ob...

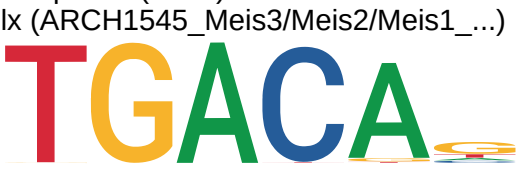
Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633



15: 4 peaks (3.8%)
Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633_M02161_2.00)

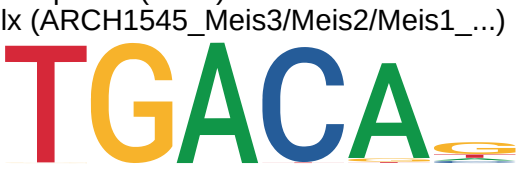
P53/TP63/TP73 (ARCH910_p5

16: 4 peaks (3.8%)
Hlx (ARCH1545_Meis3/Meis2/Meis1_...)



ARCH1439_Dmbx1_Gsc2/Gsc//Ob...

17: 4 peaks (3.8%)
Hlx (ARCH1545_Meis3/Meis2/Meis1_...)

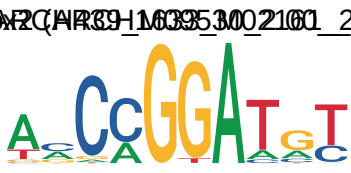


ARCH439_M09530_2.00__M04749...

18: 4 peaks (3.8%)
ARCH1631_WRKY40__PH0140.1_P...

Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633

ARCH439_M09530_2.00__M04749...



19: 4 peaks (3.8%)
Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633_M02161_2.00)

Homeodomains.HG1.21:BARX1/BARX2/BSX

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

20: 4 peaks (3.8%)
Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633_M02161_2.00)

ARCH1439_Dmbx1_Gsc2/Gsc//Ob...

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

muscle_tentacle_retractor

1: 578 peaks (45.9%)
ARCH647_Smad2/Smad3_Smad9/S...

Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FO

2: 440 peaks (34.9%)
ARCH647_Smad2/Smad3_Smad9/S...

ARCH1408_GATA20

3: 373 peaks (29.6%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB...

ARCH1408_GATA20 (ARCH895_Foxn4/Foxn1)

4: 281 peaks (22.3%)
ARCH647_Smad2/Smad3_Smad9/S...

Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (A

ARCH1408_GATA20

5: 174 peaks (13.8%)
ARCH647_Smad2/Smad3_Smad9/S...

Foxn4/Foxn1 (ARCH954_Foxn4/Foxn1)

6: 146 peaks (11.6%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB...

Foxn4/Foxn1 (ARCH954_Foxn4/Foxn1) (ARCH895_Foxn4/Foxn1)

7: 124 peaks (9.8%)
ARCH647_Smad2/Smad3_Smad9/S...

zf−C2H2.HG4.4:like:ZIC1/ZIC2/ZIC3/ZIC4/Z

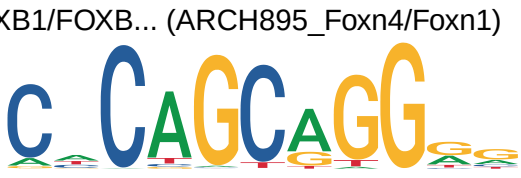
8: 122 peaks (9.7%)
ARCH647_Smad2/Smad3_Smad9/S...

Hlx (ARCH1545_Meis3/Meis2/Meis1_...)

9: 115 peaks (9.1%)
ARCH647_Smad2/Smad3_Smad9/S...

ARCH1138_/Sox4/Sox11_Sox13/...

10: 104 peaks (8.3%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB...

zf−C2H2.HG4.4:like:ZIC1/ZIC2/ZIC3/ZIC4/Z (ARCH895_Foxn4/Foxn1)


11: 104 peaks (8.3%)
ARCH1408_GATA20

Foxn4/Foxn1 (ARCH954_Foxn4/Foxn1)

12: 103 peaks (8.2%)
ARCH647_Smad2/Smad3_Smad9/S...

Homeodomains.HG1.21:BARX1/BARX2/BS

13: 103 peaks (8.2%)
ARCH647_Smad2/Smad3_Smad9/S...

Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB...

Foxn4/Foxn1 (ARCH954_Foxn (A

14: 102 peaks (8.1%)
ARCH647_Smad2/Smad3_Smad9/S...

ARCH699_TEAD4

15: 100 peaks (7.9%)
ARCH647_Smad2/Smad3_Smad9/S...

Nfya (ARCH178_Foxc2/Foxc1_Foxg1/G...)

16: 98 peaks (7.8%)
ARCH647_Smad2/Smad3_Smad9/S...

ARCH816_Pax7/Pax3

17: 94 peaks (7.5%)
ARCH647_Smad2/Smad3_Smad9/S...

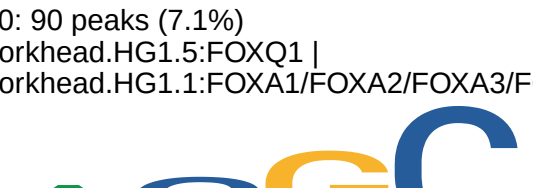
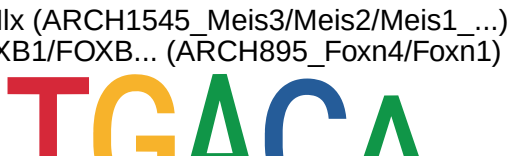
ARCH1418_Sox7

18: 94 peaks (7.5%)
ARCH647_Smad2/Smad3_Smad9/S...

ARCH378_M00590_2.00__PB0095...

19: 92 peaks (7.3%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB...

ARCH1138_/Sox4/Sox11_Sox13/... (ARCH895_Foxn4/Foxn1)

20: 90 peaks (7.1%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB...

Hlx (ARCH1545_Meis3/Meis2/Meis1_...) (ARCH895_Foxn4/Foxn1)


muscle_mesentery_retractor

1: 385 peaks (50.5%)
ARCH647_Smad2/Smad3_Smad9/S...

Forkhead.HG1.5:FOXQ1 |
Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FO

2: 258 peaks (33.9%)
ARCH1408_GATA20

ARCH647_Smad2/Smad3_Smad9/S...

3: 229 peaks (30.1%)
ARCH1408_GATA20

Forkhead.HG1.5:FOXQ1 |
Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FO

4: 175 peaks (23.0%)
ARCH1408_GATA20

ARCH647_Smad2/Smad3_Smad9/S...

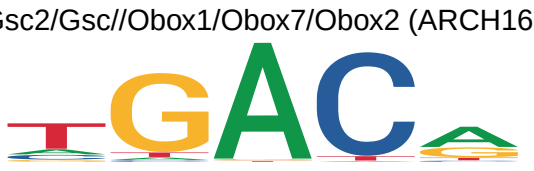
Forkhead.HG1.5:FOXQ1 |
Forkhead.HG1.1:FOXA1/FOXA

5: 166 peaks (21.8%)
ARCH647_Smad2/Smad3_Smad9/S...

Homeodomains.HG1.54:like:NOTO |
VAx−EMX−Like (ARCH1552_Pbx4/Pbx2/Pbx

6: 155 peaks (20.3%)
ARCH647_Smad2/Smad3_Smad9/S...

Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633



7: 141 peaks (18.5%)
Forkhead.HG1.5:FOXQ1 |
Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB...

Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633
(ARCH895_Foxn4/Foxn1)

8: 139 peaks (18.2%)
Homeodomains.HG1.54:like:NOTO |
VAx−EMX−Like (ARCH1552_Pbx4/Pbx2/Pbx1)

Forkhead.HG1.5:FOXQ1 |
Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FO

9: 114 peaks (15.0%)
ARCH647_Smad2/Smad3_Smad9/S...

ARCH1473_Gata3/Gata1/Gata2

10: 104 peaks (13.6%)
ARCH647_Smad2/Smad3_Smad9/S...

Homeodomains.HG1.54:like:NOTO |
VAx−EMX−Like (ARCH1552_Pbx4/Pbx2/Pbx1)

Forkhead.HG1.5:FOXQ1 |
Forkhead.HG1.1:FOXA1/FOXA

11: 100 peaks (13.1%)
ARCH647_Smad2/Smad3_Smad9/S...

Forkhead.HG1.5:FOXQ1 |
Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB...

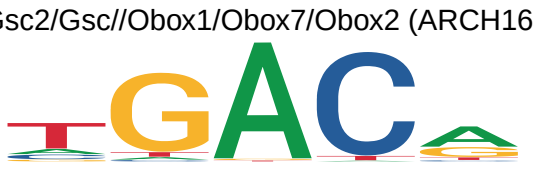
Gsc2/Gsc//Obox1/Obox7/Obo
(A

12: 96 peaks (12.6%)
ARCH1408_GATA20

Homeodomains.HG1.54:like:NOTO |
VAx−EMX−Like (ARCH1552_Pbx4/Pbx2/Pbx

13: 94 peaks (12.3%)
ARCH1408_GATA20

Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633



14: 88 peaks (11.5%)
ARCH1595_Nr2c1/Nr2c2_Nr2f1/...

ARCH647_Smad2/Smad3_Smad9/S...

15: 85 peaks (11.2%)
ARCH647_Smad2/Smad3_Smad9/S...

Six4/5 |
Hnf1a/Hnf1b (ARCH1503_Meis3/Meis2/Meis

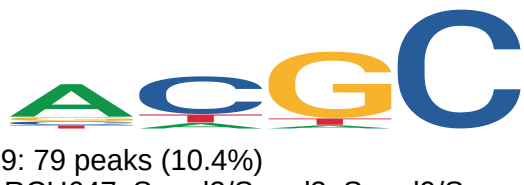
16: 82 peaks (10.8%)
Forkhead.HG1.5:FOXQ1 |
Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB...

ARCH1473_Gata3/Gata1/Gata2
(ARCH895_Foxn4/Foxn1)

17: 81 peaks (10.6%)
ARCH647_Smad2/Smad3_Smad9/S...

ARCH816_Pax7/Pax3

18: 80 peaks (10.5%)
Forkhead.HG1.5:FOXQ1 |
Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB...



Six4/5 |
Hnf1a/Hnf1b (ARCH1503_Meis3/Meis2/Meis

19: 79 peaks (10.4%)
ARCH647_Smad2/Smad3_Smad9/S...

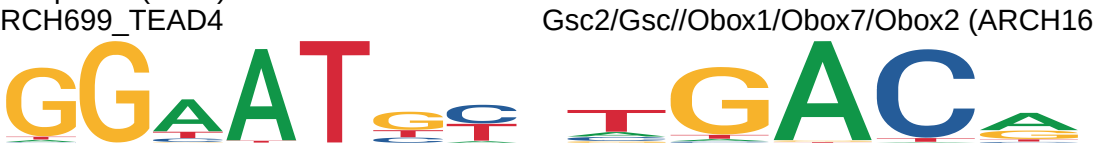
Hlx (ARCH1545_Meis3/Meis2/Meis1_...)

20: 76 peaks (10.0%)
Forkhead.HG1.5:FOXQ1 |
Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB...

ARCH816_Pax7/Pax3
(ARCH895_Foxn4/Foxn1)

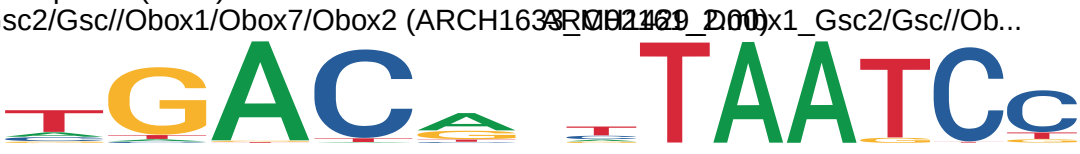
digestive_filaments_1

1: 51 peaks (6.6%)
ARCH699_TEAD4 | Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633



2: 46 peaks (5.9%)
Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633 | ARCH1163_2.00)/Sox4/Sox11_Sox13/...

3: 42 peaks (5.4%)
Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633 | ARCH1429_2.00)/Dmbx1_Gsc2/Gsc//Ob...



4: 40 peaks (5.2%)
Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633 | ARCH1132_2.00)/Arid3c/Arid3a/Arid3b (ARCH13_Arid2_Arid3

5: 39 peaks (5.0%)
Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633 | ARCH1831_2.00)/Barx2/Barx1_Emx1/Em...

6: 37 peaks (4.8%)
Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633 | ARCH1161_2.00)/M09140_2.00__M0918...

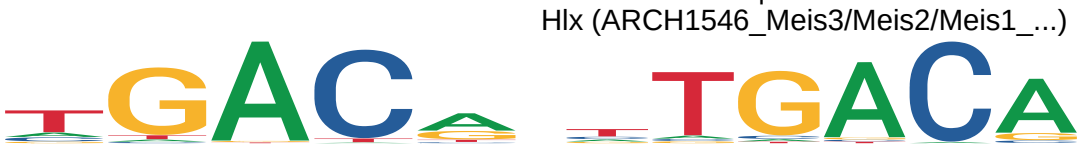
7: 32 peaks (4.1%)
Foxp4/Foxp2/Foxp1 (ARCH1017_Foxa3/Foxa1/Foxa2 | Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633

8: 32 peaks (4.1%)
ARCH699_TEAD4 | Arid3c/Arid3a/Arid3b (ARCH13_Arid2_Arid3

9: 29 peaks (3.7%)
ARCH165_Nkx2−2/Nkx2−9_Nkx3−2 | Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633

10: 29 peaks (3.7%)
ARCH699_TEAD4 | ARCH1429_Dmbx1_Gsc2/Gsc//Ob...

11: 29 peaks (3.7%)
Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633 | M02161_2.00)/HG1.53:MNX1 |
Nkx2−2/Nkx2−9 |
Hlx (ARCH1546_Meis3/Meis2/Meis1_...)



12: 28 peaks (3.6%)
ARCH699_TEAD4 | ARCH183_Barx2/Barx1_Emx1/Em...

13: 28 peaks (3.6%)
ARCH129_PB0178.1_Sox8_2 | Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633

14: 27 peaks (3.5%)
ARCH699_TEAD4 | ARCH1103_M09140_2.00__M0918...

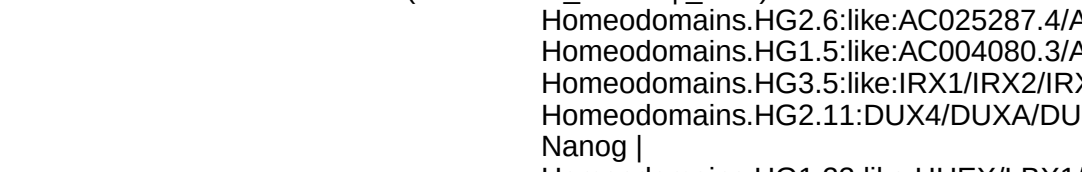
15: 27 peaks (3.5%)
Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633 | M02161_2.00)/HG1.37:like:SSRP1 (ARCH11

16: 27 peaks (3.5%)
Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633 | ARCH1261_2.00)/Duxbl1/_Alx3/Alx4/...

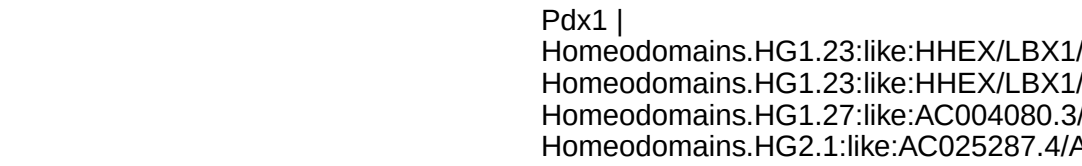
17: 27 peaks (3.5%)
ARCH1138_/Sox4/Sox11_Sox13/... | Arid3c/Arid3a/Arid3b (ARCH13_Arid2_Arid3

18: 25 peaks (3.2%)
ARCH165_Nkx2−2/Nkx2−9_Nkx3−2 | ARCH1138_/Sox4/Sox11_Sox13/...

19: 25 peaks (3.2%)
Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633 | M02151_2.00)
Homeodomains.HG2.6:like:AC025287.4/ALX
Homeodomains.HG1.5:like:AC004080.3/AC0
Homeodomains.HG3.5:like:IRX1/IRX2/IRX3/
Homeodomains.HG2.11:DUX4/DUXA/DUXB
Nanog |
Homeodomains.HG1.23:like:HHEX/LBX1/LB
Pdx1 |
Homeodomains.HG1.23:like:HHEX/LBX1/LB
Homeodomains.HG1.23:like:HHEX/LBX1/LB
Homeodomains.HG1.27:like:AC004080.3/AC
Homeodomains.HG2.1:like:AC025287.4/ALX
/Duxbl1//AW822073/Gm4981/Duxf3 |
Homeodomains.HG1.19:NKX2−1/NKX2−2/N
Homeodomains.HG1.23:like:HHEX/LBX1/LB
/Duxbl1//AW822073/Duxf3/Gm4981 |
Homeodomains.HG1.5:like:AC004080.3/AC0
Homeodomains.HG2.2:like:AC025287.4/ALX
/Duxbl1//AW822073/Duxf3/Gm4981 |
Hesx1//Duxbl1/ |
Homeodomains.HG1.23:like:HHEX/LBX1/LB
Lhx3/Lhx4 |
Homeodomains.HG2.11:DUX4/DUXA/DUXB
Homeodomains.HG1.5:like:AC004080.3/AC0



20: 25 peaks (3.2%)
Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633 | M02261_2.00)/ARCH1040_PB0066.1_Sox17_



digestive_filaments_2

1: 198 peaks (30.0%)
ARCH483_Tbx3/Tbx2

Forkhead.HG1.5:FOXQ1 |
Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FO

2: 143 peaks (21.7%)
Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633_M02161_2.00)

Forkhead.HG1.5:FOXQ1 |
Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FO

3: 116 peaks (17.6%)
Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633_M02161_2.00)

ARCH483_Tbx3/Tbx2

4: 91 peaks (13.8%)
Forkhead.HG1.5:FOXQ1 |
Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)

Foxn4/Foxn1 (ARCH954_Foxn4/Foxn1)

5: 86 peaks (13.0%)
ARCH973_Foxa3/Foxa1/Foxa2

Forkhead.HG1.5:FOXQ1 |
Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FO

6: 79 peaks (12.0%)
FoxA (ARCH1291_Fox:Ebox)

Forkhead.HG1.5:FOXQ1 |
Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FO

7: 72 peaks (10.9%)
Forkhead.HG1.5:FOXQ1 |
Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)

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

8: 70 peaks (10.6%)
Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633_M02161_2.00)

ARCH483_Tbx3/Tbx2

Forkhead.HG1.5:FOXQ1 |
Forkhead.HG1.1:FOXA1/FOXA

9: 68 peaks (10.3%)
ARCH483_Tbx3/Tbx2

FoxA (ARCH1291_Fox:Ebox)

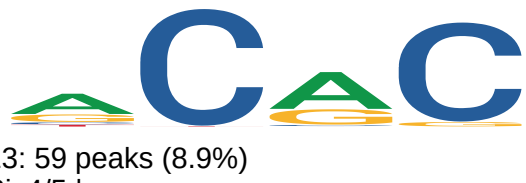
10: 67 peaks (10.2%)
ARCH483_Tbx3/Tbx2

Foxn4/Foxn1 (ARCH954_Foxn4/Foxn1)

11: 63 peaks (9.5%)
ARCH483_Tbx3/Tbx2

ARCH973_Foxa3/Foxa1/Foxa2

12: 61 peaks (9.2%)
ARCH483_Tbx3/Tbx2

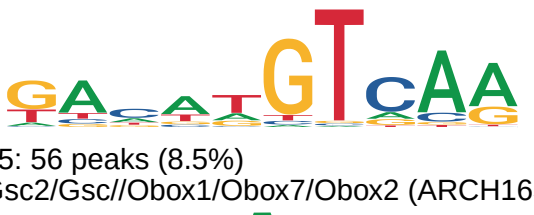


Homeodomains.HG1.53:MNX1 |
Nkx2−2/Nkx2−9 |
Hlx (ARCH1546_Meis3/Meis2/Meis1_...)

13: 59 peaks (8.9%)
Six4/5 |
Hnf1a/Hnf1b (ARCH1503_Meis3/Meis2/Meis1_...)

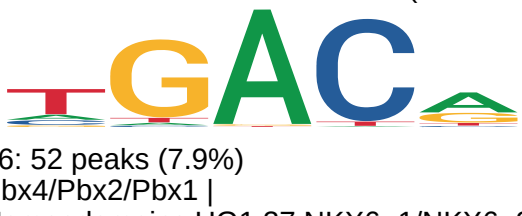
Forkhead.HG1.5:FOXQ1 |
Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FO

14: 56 peaks (8.5%)
ARCH1631_WRKY40__PH0140.1_P...



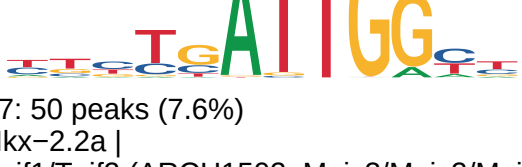
Forkhead.HG1.5:FOXQ1 |
Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FO

15: 56 peaks (8.5%)
Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633_M02161_2.00)



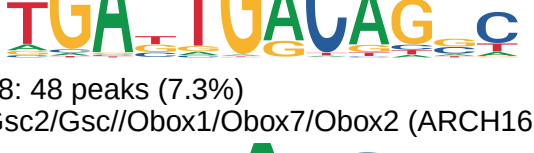
FoxA (ARCH1291_Fox:Ebox)

16: 52 peaks (7.9%)
Pbx4/Pbx2/Pbx1 |
Homeodomains.HG1.37:NKX6−1/NKX6−2/NKX6−3 (ARCH1121_Nkx6−2/Nkx6−3/Nkx6−1)



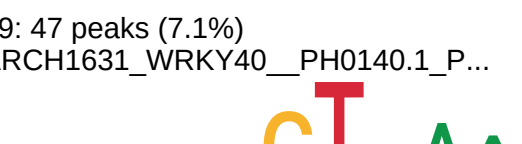
Forkhead.HG1.5:FOXQ1 |
Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FO

17: 50 peaks (7.6%)
Nkx−2.2a |
Tgif1/Tgif2 (ARCH1502_Meis3/Meis2/Meis1_...)

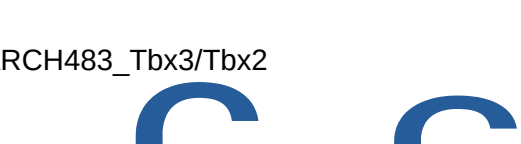


Forkhead.HG1.5:FOXQ1 |
Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FO

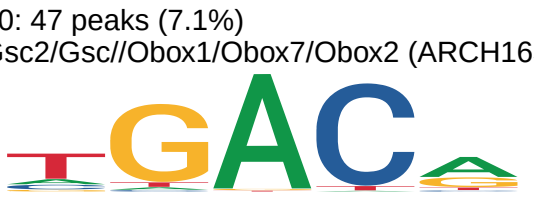
18: 48 peaks (7.3%)
Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633_M02161_2.00)



ARCH973_Foxa3/Foxa1/Foxa2



19: 47 peaks (7.1%)
ARCH1631_WRKY40__PH0140.1_P...



ARCH483_Tbx3/Tbx2

20: 47 peaks (7.1%)
Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633_M02161_2.00)

Foxn4/Foxn1 (ARCH954_Foxn4/Foxn1)

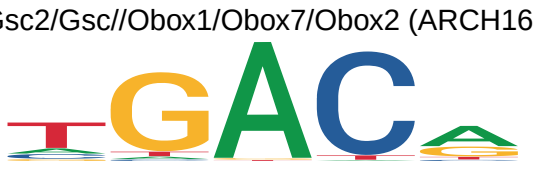
digestive_filaments_3

1: 172 peaks (21.6%)
Homeodomains.HG1.53:MNX1 | Nkx2−2/Nkx2−9 | Hlx (ARCH1546_Meis3/Meis2/Meis1_...)

ARCH647_Smad2/Smad3_Smad9/S...

2: 149 peaks (18.7%)
ARCH647_Smad2/Smad3_Smad9/S...

Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633



3: 148 peaks (18.6%)
ARCH647_Smad2/Smad3_Smad9/S...

FoxA (ARCH1291_Fox:Ebox)

4: 105 peaks (13.2%)
ARCH647_Smad2/Smad3_Smad9/S...

Arid3c/Arid3a/Arid3b (ARCH13_Arid2_Arid3

5: 103 peaks (12.9%)
ARCH647_Smad2/Smad3_Smad9/S...

ARCH973_Foxa3/Foxa1/Foxa2

6: 98 peaks (12.3%)
ARCH647_Smad2/Smad3_Smad9/S...

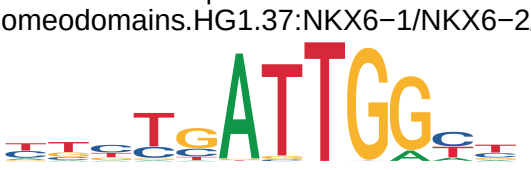
Homeodomains.HG2.76:like:DMBX1 (ARCH

7: 95 peaks (11.9%)
ARCH647_Smad2/Smad3_Smad9/S...

HMGbox_Sox.HG1.37:like:SSRP1 (ARCH11

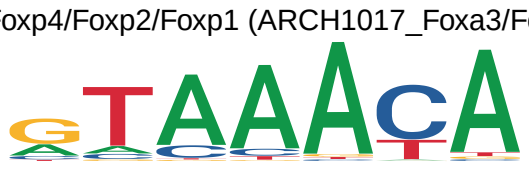
8: 88 peaks (11.0%)
ARCH647_Smad2/Smad3_Smad9/S...

Pbx4/Pbx2/Pbx1 | Homeodomains.HG1.37:NKX6−1/NKX6−2/N



9: 69 peaks (8.7%)
ARCH647_Smad2/Smad3_Smad9/S...

Foxp4/Foxp2/Foxp1 (ARCH1017_Foxa3/Fox



10: 64 peaks (8.0%)
ARCH647_Smad2/Smad3_Smad9/S...

ARCH1475_GATA15

11: 62 peaks (7.8%)
ARCH647_Smad2/Smad3_Smad9/S...

ARCH1547_FOXB1

12: 60 peaks (7.5%)
Homeodomains.HG1.53:MNX1 | Nkx2−2/Nkx2−9 | Hlx (ARCH1546_Meis3/Meis2/Meis1_...)

Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633

13: 60 peaks (7.5%)
ARCH647_Smad2/Smad3_Smad9/S...

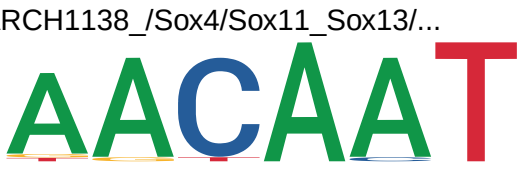
ARCH112_Hoxa10

14: 58 peaks (7.3%)
Homeodomains.HG1.53:MNX1 | Nkx2−2/Nkx2−9 | Hlx (ARCH1546_Meis3/Meis2/Meis1_...)

FoxA (ARCH1291_Fox:Ebox)

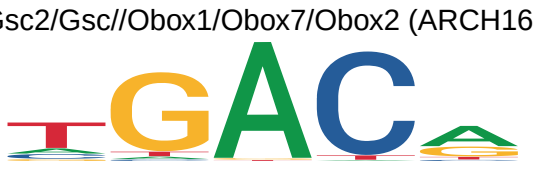
15: 58 peaks (7.3%)
ARCH647_Smad2/Smad3_Smad9/S...

ARCH1138_/Sox4/Sox11_Sox13/...



16: 54 peaks (6.8%)
FoxA (ARCH1291_Fox:Ebox)

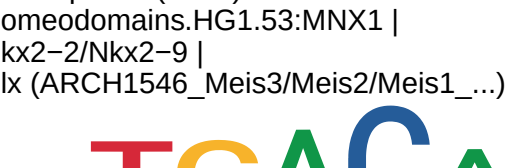
Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633



17: 47 peaks (5.9%)
FoxA (ARCH1291_Fox:Ebox)

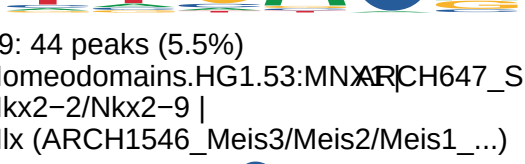
Arid3c/Arid3a/Arid3b (ARCH13_Arid2_Arid3

18: 44 peaks (5.5%)
Homeodomains.HG1.53:MNX1 | Nkx2−2/Nkx2−9 | Hlx (ARCH1546_Meis3/Meis2/Meis1_...)



Arid3c/Arid3a/Arid3b (ARCH13_Arid2_Arid3

19: 44 peaks (5.5%)
Homeodomains.HG1.53:MNX1 | Nkx2−2/Nkx2−9 | Hlx (ARCH1546_Meis3/Meis2/Meis1_...)



ARCH647_Smad2/Smad3_Smad9/S... Gsc2/Gsc//Obox1/Obox7/Obo

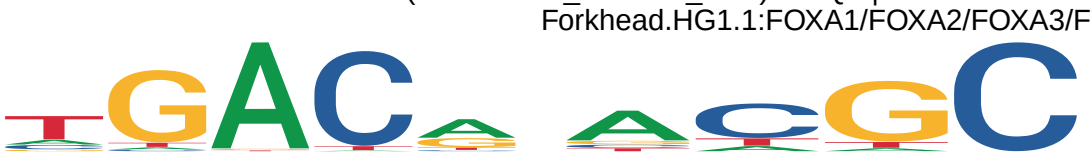
20: 42 peaks (5.3%)
Homeodomains.HG1.53:MNX1 | Nkx2−2/Nkx2−9 | Hlx (ARCH1546_Meis3/Meis2/Meis1_...)

HMGbox_Sox.HG1.37:like:SSRP1 (ARCH11

epidermis_1

1: 232 peaks (24.9%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)
ARCH1627_Xbp1

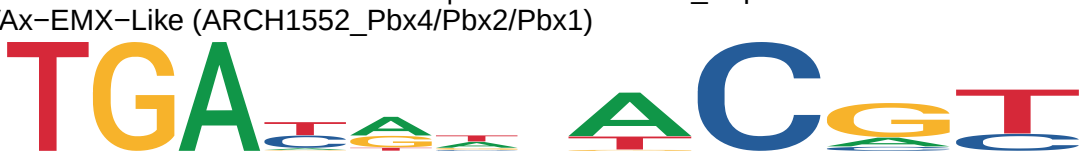
2: 178 peaks (19.1%)
Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633_M02161_2.00)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOX



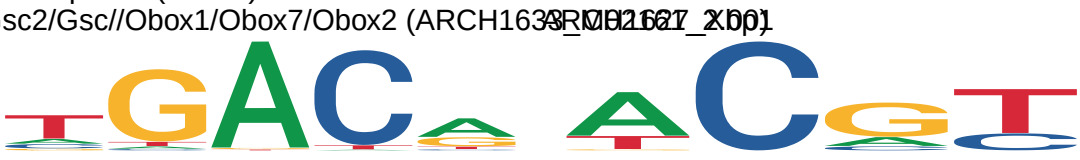
3: 150 peaks (16.1%)
Homeodomains.HG1.54:like:NOTO | VAx−EMX−Like (ARCH1552_Pbx4/Pbx2/Pbx1)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOX

4: 128 peaks (13.7%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)
Foxn4/Foxn1 (ARCH954_Foxn4/Foxn1)

5: 123 peaks (13.2%)
Homeodomains.HG1.54:like:NOTO | VAx−EMX−Like (ARCH1552_Pbx4/Pbx2/Pbx1)
ARCH1627_Xbp1



6: 101 peaks (10.8%)
Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633_M02161_2.00)
ARCH1627_Xbp1



7: 97 peaks (10.4%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)
ARCH1103_M09140_2.00__M0918...

8: 95 peaks (10.2%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)
Pax7/Pax3 | PAX3/7 | Pax5/Pax8/Pax2 (ARCH873_Pax5/Pax8/Pax

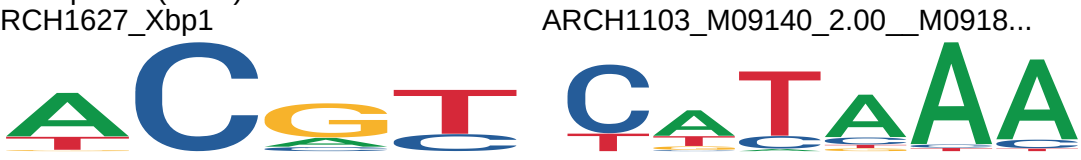
9: 89 peaks (9.5%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)
Homeodomains.HG1.5:like:AC004080.3/AC0

10: 88 peaks (9.4%)
Foxn4/Foxn1 (ARCH954_Foxn4/Foxn1)
ARCH1627_Xbp1

11: 82 peaks (8.8%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)
ARCH1138_/Sox4/Sox11_Sox13/...

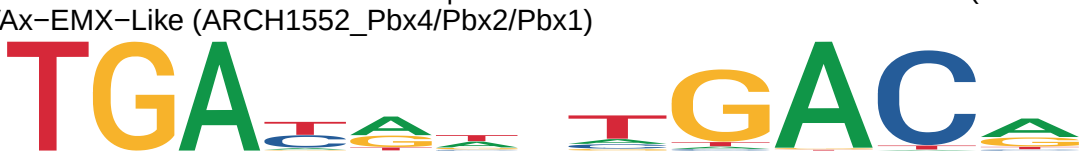
12: 78 peaks (8.4%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)
ARCH379_RDS1__M06389_2.00

13: 75 peaks (8.0%)
ARCH1627_Xbp1
ARCH1103_M09140_2.00__M0918...



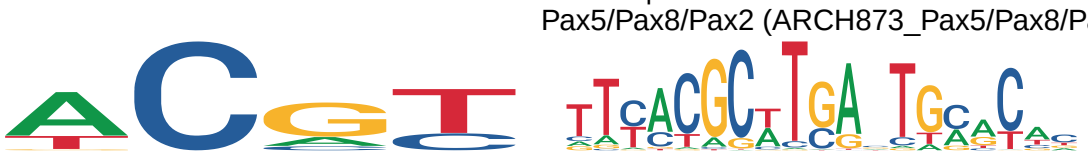
14: 73 peaks (7.8%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)
ARCH883_M03443_2.00__M03944...

15: 72 peaks (7.7%)
Homeodomains.HG1.54:like:NOTO | VAx−EMX−Like (ARCH1552_Pbx4/Pbx2/Pbx1)
Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633



16: 68 peaks (7.3%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)
Homeodomains.HG1.53:MNX1 | Hlx2/Zfhx2 (A
Hlx (ARCH1546_Meis3/Meis2/Meis1_...)

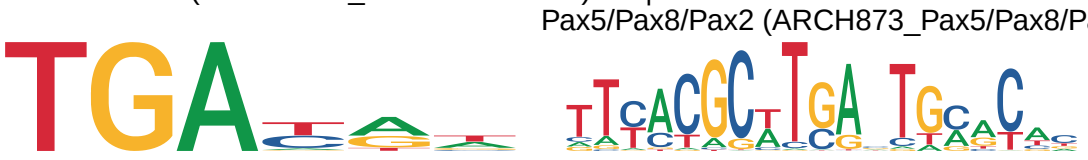
17: 68 peaks (7.3%)
ARCH1627_Xbp1
Pax7/Pax3 | PAX3/7 | Pax5/Pax8/Pax2 (ARCH873_Pax5/Pax8/Pax



18: 67 peaks (7.2%)
ARCH1627_Xbp1
ARCH1138_/Sox4/Sox11_Sox13/...

19: 66 peaks (7.1%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)
ARCH803_M09624_2.00__Pax8__...

20: 65 peaks (7.0%)
Homeodomains.HG1.54:like:NOTO | VAx−EMX−Like (ARCH1552_Pbx4/Pbx2/Pbx1)
Pax7/Pax3 | PAX3/7 | Pax5/Pax8/Pax2 (ARCH873_Pax5/Pax8/Pax



epidermis_2

1: 1157 peaks (45.9%)
ARCH647_Smad2/Smad3_Smad9/S... Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FO

2: 305 peaks (12.1%)
ARCH647_Smad2/Smad3_Smad9/S... ARCH1138_/Sox4/Sox11_Sox13/...

3: 297 peaks (11.8%)
ARCH647_Smad2/Smad3_Smad9/S... ARCH1103_M09140_2.00__M0918...

4: 297 peaks (11.8%)
ARCH647_Smad2/Smad3_Smad9/S... FoxL2 | FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_.

5: 278 peaks (11.0%)
ARCH647_Smad2/Smad3_Smad9/S... ARCH750_BRUNOL6

6: 273 peaks (10.8%)
ARCH647_Smad2/Smad3_Smad9/S... ARCH1152_/Sox4/Sox11_Sox13/...

7: 257 peaks (10.2%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FO FoxL2 | FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_.

8: 255 peaks (10.1%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1) ARCH750_BRUNOL6

9: 245 peaks (9.7%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1) ARCH1103_M09140_2.00__M0918...

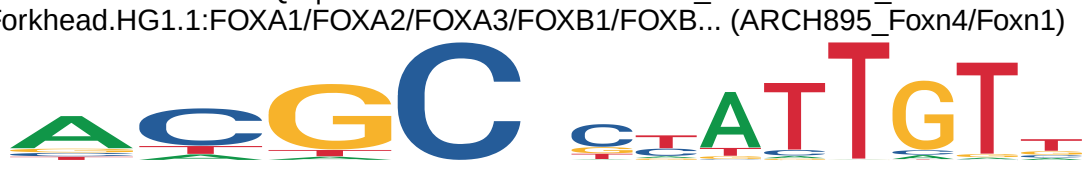
10: 242 peaks (9.6%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1) ARCH1138_/Sox4/Sox11_Sox13/...

11: 236 peaks (9.4%)
ARCH647_Smad2/Smad3_Smad9/S... HMGbox_Sox.HG1.37:like:SSRP1 (ARCH11

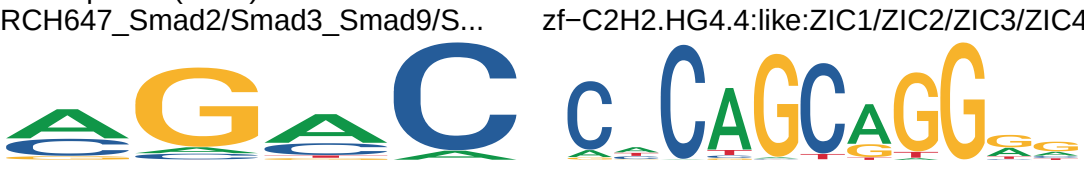
12: 226 peaks (9.0%)
ARCH647_Smad2/Smad3_Smad9/S... ARCH395_ZNF354C

13: 224 peaks (8.9%)
ARCH647_Smad2/Smad3_Smad9/S... Pax7/Pax3 | PAX3/7 | Pax5/Pax8/Pax2 (ARCH873_Pax5/Pax8/Pax

14: 223 peaks (8.9%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1) ARCH1152_/Sox4/Sox11_Sox13/...



15: 210 peaks (8.3%)
ARCH647_Smad2/Smad3_Smad9/S... zf−C2H2.HG4.4:like:ZIC1/ZIC2/ZIC3/ZIC4/Z



16: 209 peaks (8.3%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1) HMGbox_Sox.HG1.37:like:SSRP1 (ARCH11

17: 206 peaks (8.2%)
ARCH647_Smad2/Smad3_Smad9/S... ARCH1475_GATA15

18: 195 peaks (7.7%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1) ARCH1475_GATA15

19: 193 peaks (7.7%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1) Pax7/Pax3 | PAX3/7 | Pax5/Pax8/Pax2 (ARCH873_Pax5/Pax8/Pax

20: 186 peaks (7.4%)
ARCH647_Smad2/Smad3_Smad9/S... Forkhead.HG1.31:like:FOXO1/FOXO3/FOXO FoxQ2d (ARCH1397_RBFox2__OCT:OCT−s

precursors_PGC

1: 370 peaks (45.8%)
ARCH438_Spdef

Forkhead.HG1.5:FOXQ1 |
Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FO

2: 232 peaks (28.7%)
ARCH438_Spdef

ARCH1627_Xbp1

3: 149 peaks (18.5%)
Forkhead.HG1.5:FOXQ1 |
Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)

ARCH1627_Xbp1

4: 146 peaks (18.1%)
Nfya (ARCH178_Foxc2/Foxc1_Foxg1/G...)

ARCH438_Spdef

5: 141 peaks (17.5%)
ARCH438_Spdef

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

6: 129 peaks (16.0%)
ARCH438_Spdef

ARCH419_Yy1

7: 122 peaks (15.1%)
ARCH438_Spdef

Forkhead.HG1.5:FOXQ1 | ARCH1627_Xbp1
Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (A

8: 120 peaks (14.9%)
ARCH438_Spdef

ARCH1420_RUNX2

9: 117 peaks (14.5%)
ARCH438_Spdef

ARCH11_/E2f4_E2f6_E2f8/E2f7

10: 100 peaks (12.4%)
Nfya (ARCH178_Foxc2/Foxc1_Foxg1/G...)

Forkhead.HG1.5:FOXQ1 |
Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FO

11: 98 peaks (12.1%)
Forkhead.HG1.5:FOXQ1 |
Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FO

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

12: 95 peaks (11.8%)
ARCH438_Spdef

Tfdp2/Tfdp1 (ARCH367_/E2f4_E2f6_E2f8/E

13: 85 peaks (10.5%)
Nfya (ARCH178_Foxc2/Foxc1_Foxg1/G...)

ARCH438_Spdef

Forkhead.HG1.5:FOXQ1 |
Forkhead.HG1.1:FOXA1/FOX

14: 83 peaks (10.3%)
Forkhead.HG1.5:FOXQ1 |
Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)

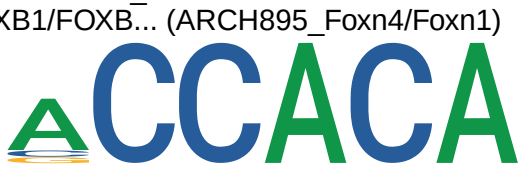
ARCH11_/E2f4_E2f6_E2f8/E2f7

15: 83 peaks (10.3%)
ARCH438_Spdef

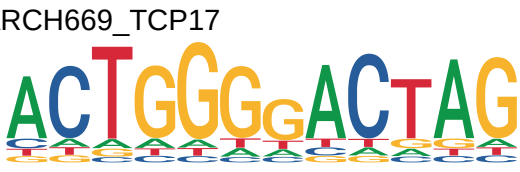
Forkhead.HG1.5:FOXQ1 |
Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (A

FoxL2 |
FoxA/D? (ARCH1102_Foxa3/(A

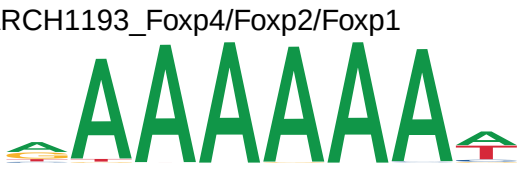
16: 81 peaks (10.0%)
Forkhead.HG1.5:FOXQ1 |
Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)

ARCH1420_RUNX2


17: 79 peaks (9.8%)
ARCH438_Spdef

ARCH669_TCP17


18: 76 peaks (9.4%)
ARCH438_Spdef

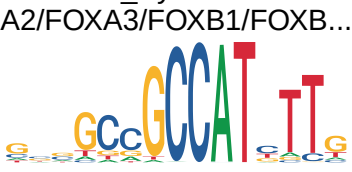
ARCH1193_Foxp4/Foxp2/Foxp1


19: 75 peaks (9.3%)
Forkhead.HG1.5:FOXQ1 |
Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)

ARCH419_Yy1

20: 70 peaks (8.7%)
ARCH438_Spdef

Forkhead.HG1.5:FOXQ1 | ARCH419_Yy1
Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (A



precursors_endoNPC

1: 155 peaks (38.8%)
ARCH647_Smad2/Smad3_Smad9/S...

ARCH483_Tbx3/Tbx2

2: 108 peaks (27.1%)
ARCH647_Smad2/Smad3_Smad9/S...

Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633

3: 77 peaks (19.3%)
ARCH647_Smad2/Smad3_Smad9/S...

ARCH1420_RUNX2

4: 77 peaks (19.3%)
Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633

ARCH483_Tbx3/Tbx2

5: 58 peaks (14.5%)
ARCH647_Smad2/Smad3_Smad9/S...

Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633

ARCH483_Tbx3/Tbx2

6: 54 peaks (13.5%)
ARCH483_Tbx3/Tbx2

ARCH1420_RUNX2

7: 52 peaks (13.0%)
ARCH647_Smad2/Smad3_Smad9/S...

HMGbox_Sox.HG1.37:like:SSRP1 (ARCH11

8: 50 peaks (12.5%)
ARCH647_Smad2/Smad3_Smad9/S...

ARCH165_Nkx2−2/Nkx2−9_Nkx3−2

9: 50 peaks (12.5%)
ARCH647_Smad2/Smad3_Smad9/S...

Terf2ip |
Ncor2/Ncor1 |
Msantd4/Mypop (ARCH646_Msantd4/Mypop

10: 46 peaks (11.5%)
ARCH647_Smad2/Smad3_Smad9/S...

ARCH1138_/Sox4/Sox11_Sox13/...

11: 45 peaks (11.3%)
ARCH647_Smad2/Smad3_Smad9/S...

ARCH1418_Sox7

12: 41 peaks (10.3%)
ARCH647_Smad2/Smad3_Smad9/S...

bZIP.HG1.3:like:JUN/JUNB/JUND (ARCH36

13: 41 peaks (10.3%)
ARCH647_Smad2/Smad3_Smad9/S...

ARCH483_Tbx3/Tbx2

ARCH1420_RUNX2

14: 40 peaks (10.0%)
ARCH483_Tbx3/Tbx2

Terf2ip |
Ncor2/Ncor1 |
Msantd4/Mypop (ARCH646_Msantd4/Mypop

15: 39 peaks (9.8%)
ARCH483_Tbx3/Tbx2

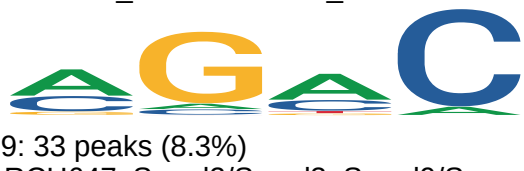
ARCH165_Nkx2−2/Nkx2−9_Nkx3−2

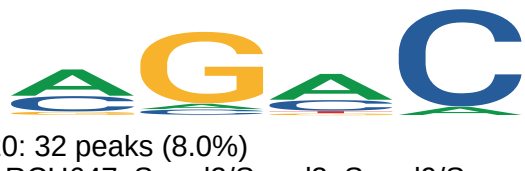
16: 34 peaks (8.5%)
ARCH772_Twist2/Twist1

ARCH647_Smad2/Smad3_Smad9/S...

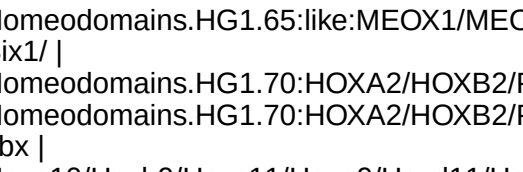
17: 34 peaks (8.5%)
Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633

ARCH1420_RUNX2

18: 33 peaks (8.3%)
ARCH647_Smad2/Smad3_Smad9/S...

ARCH129_PB0178.1_Sox8_2

19: 33 peaks (8.3%)
ARCH647_Smad2/Smad3_Smad9/S...

zf−C2H2.HG1.35:FEZF1/FEZF2/GFI1/GFI1B
Egr3/Egr1 |
Insm1 |
Zfp637/Zfp944/Zfp942 |
Myt1l/St18/Myt1 (ARCH530_Snai2)

20: 32 peaks (8.0%)
ARCH647_Smad2/Smad3_Smad9/S...

Homeodomains.HG1.62:like:MEOX1/MEOX2
Homeodomains.HG1.65:like:MEOX1/MEOX2
Six1/ |
Homeodomains.HG1.70:HOXA2/HOXB2/PD
Homeodomains.HG1.70:HOXA2/HOXB2/PD
Lbx |
Hoxa10/Hoxb9/Hoxc11/Hoxa9/Hoxd11/Hoxd
Homeodomains.HG1.69:HOXA3/HOXB3/HO
Homeodomains.HG1.39:BARHL1/BARHL2 |
Homeodomains.HG1.27:like:AC004080.3/AC
Dmbx1 |
NVHD033−ANTP |
Alx3/Alx4/Alx1 |
Homeodomains.HG1.70:HOXA2/HOXB2/PD
BarH−Like3 (ARCH1362_Six1/_Six4/Six5)


precursors_NPC

1: 244 peaks (44.4%)
Forkhead.HG1.5:FOXQ1 | ARCH647_Smad2/Smad3_Smad9/S...
Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)

2: 178 peaks (32.4%)
ARCH647_Smad2/Smad3_Smad9/S... ARCH483_Tbx3/Tbx2

3: 159 peaks (28.9%)
Forkhead.HG1.5:FOXQ1 | ARCH483_Tbx3/Tbx2
Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)

4: 137 peaks (24.9%)
ARCH647_Smad2/Smad3_Smad9/S... ARCH1627_Xbp1

5: 132 peaks (24.0%)
Forkhead.HG1.5:FOXQ1 | ARCH1627_Xbp1
Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)

6: 103 peaks (18.7%)
Forkhead.HG1.5:FOXQ1 | ARCH647_Smad2/Smad3_Smad9/S... ARCH483_Tbx3/Tbx2
Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)

7: 95 peaks (17.3%)
ARCH1627_Xbp1 ARCH483_Tbx3/Tbx2

8: 91 peaks (16.5%)
Forkhead.HG1.5:FOXQ1 | ARCH647_Smad2/Smad3_Smad9/S... ARCH1627_Xbp1
Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)

9: 90 peaks (16.4%)
ARCH647_Smad2/Smad3_Smad9/S... ARCH1418_Sox7

10: 89 peaks (16.2%)
ARCH647_Smad2/Smad3_Smad9/S... ARCH1138_/Sox4/Sox11_Sox13/...

11: 76 peaks (13.8%)
Forkhead.HG1.5:FOXQ1 | ARCH783_bHLH18__MNT
Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)

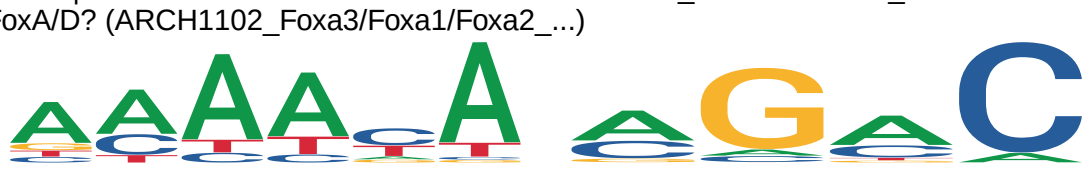
12: 73 peaks (13.3%)
Forkhead.HG1.5:FOXQ1 | ARCH1418_Sox7
Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)

13: 72 peaks (13.1%)
ARCH783_bHLH18__MNT ARCH647_Smad2/Smad3_Smad9/S...

14: 71 peaks (12.9%)
Forkhead.HG1.5:FOXQ1 | ARCH1138_/Sox4/Sox11_Sox13/...
Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)

15: 66 peaks (12.0%)
ARCH483_Tbx3/Tbx2 ARCH1418_Sox7

16: 65 peaks (11.8%)
FoxL2 | ARCH647_Smad2/Smad3_Smad9/S...
FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_...)



17: 65 peaks (11.8%)
Forkhead.HG1.5:FOXQ1 | ARCH1627_Xbp1 ARCH483_Tbx3/Tbx2
Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)

18: 61 peaks (11.1%)
ARCH647_Smad2/Smad3_Smad9/S... ARCH1627_Xbp1 ARCH483_Tbx3/Tbx2

19: 59 peaks (10.7%)
FoxL2 | Forkhead.HG1.5:FOXQ1 |
FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_...) Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FO

20: 57 peaks (10.4%)
Forkhead.HG1.5:FOXQ1 | HMGbox_Sox.HG1.62:like:NSD2 (ARCH141
Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)

NPC_1

1: 1549 peaks (11.0%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)
ARCH419_Yy1

2: 1192 peaks (8.5%)
Nfya (ARCH178_Foxc2/Foxc1_Foxg1/G...)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FO

3: 1160 peaks (8.2%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)
FoxL2 | FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_.

4: 972 peaks (6.9%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)
ARCH1138_/Sox4/Sox11_Sox13/...

5: 927 peaks (6.6%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)
HMGbox_Sox.HG1.37:like:SSRP1 (ARCH11

6: 430 peaks (3.1%)
ARCH419_Yy1
FoxL2 | FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_.

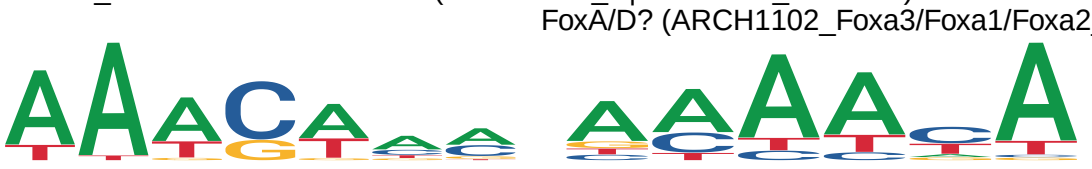
7: 326 peaks (2.3%)
Nfya (ARCH178_Foxc2/Foxc1_Foxg1/G...)
ARCH419_Yy1

8: 284 peaks (2.0%)
Nfya (ARCH178_Foxc2/Foxc1_Foxg1/G...)
FoxL2 | FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_.

9: 281 peaks (2.0%)
HMGbox_Sox.HG1.37:like:SSRP1 (ARCH1177_/Sox4/Sox11_Sox13/...)
ARCH419_Yy1

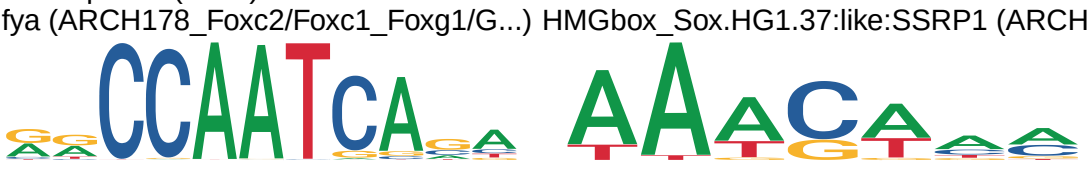
10: 269 peaks (1.9%)
ARCH1138_/Sox4/Sox11_Sox13/...
ARCH419_Yy1

11: 263 peaks (1.9%)
HMGbox_Sox.HG1.37:like:SSRP1 (ARCH1177_/Sox4/Sox11_Sox13/...)
FoxL2 | FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_.



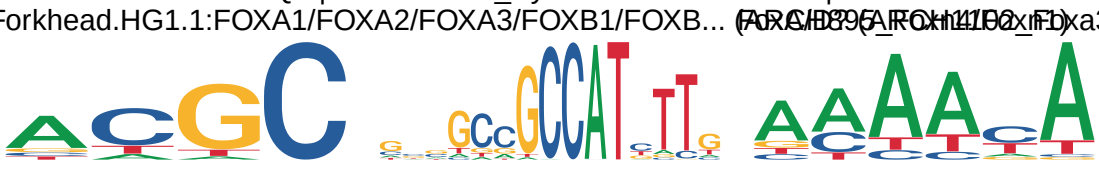
12: 249 peaks (1.8%)
ARCH1138_/Sox4/Sox11_Sox13/...
FoxL2 | FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_.

13: 242 peaks (1.7%)
Nfya (ARCH178_Foxc2/Foxc1_Foxg1/G...)
HMGbox_Sox.HG1.37:like:SSRP1 (ARCH11



14: 235 peaks (1.7%)
Nfya (ARCH178_Foxc2/Foxc1_Foxg1/G...)
ARCH1138_/Sox4/Sox11_Sox13/...

15: 227 peaks (1.6%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)
ARCH419_Yy1
FoxL2 | FoxA/D? (ARCH1102_Foxa3/F



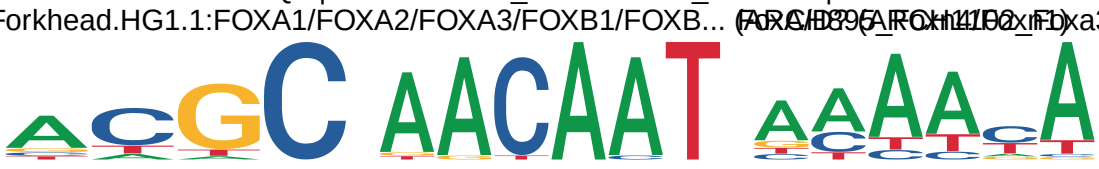
16: 199 peaks (1.4%)
HMGbox_Sox.HG1.37:like:SSRP1 (ARCH1177_/Sox4/Sox11_Sox13/...)
ARCH1138_/Sox4/Sox11_Sox13/...

17: 171 peaks (1.2%)
Nfya (ARCH178_Foxc2/Foxc1_Foxg1/G...)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (A
ARCH419_Yy1

18: 151 peaks (1.1%)
Nfya (ARCH178_Foxc2/Foxc1_Foxg1/G...)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)
FoxL2 | FoxA/D? (ARCH1102_Foxa3/(

19: 147 peaks (1.0%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)
HMGbox_Sox.HG1.37:like:SSRP1 (ARCH1177_/Sox4/Sox
FoxL2 | FoxA/D? (ARCH1102_Foxa3/F

20: 139 peaks (1.0%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)
ARCH1138_/Sox4/Sox11_Sox13/...
FoxL2 | FoxA/D? (ARCH1102_Foxa3/F



NPC_2

1: 486 peaks (20.3%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)
ARCH1627_Xbp1

2: 415 peaks (17.4%)
Nfya (ARCH178_Foxc2/Foxc1_Foxg1/G...)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOX

3: 248 peaks (10.4%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)
ARCH419_Yy1

4: 215 peaks (9.0%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)
HMGbox_Sox.HG1.37:like:SSRP1 (ARCH11

5: 215 peaks (9.0%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)
ARCH1573_M08725_2.00

6: 202 peaks (8.4%)
Nfya (ARCH178_Foxc2/Foxc1_Foxg1/G...)
ARCH1627_Xbp1

7: 181 peaks (7.6%)
ARCH1418_Sox7
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOX

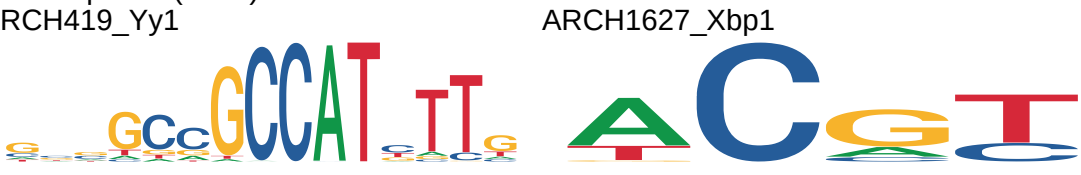
8: 177 peaks (7.4%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)
ARCH1138_/Sox4/Sox11_Sox13/...

9: 176 peaks (7.4%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)
ARCH750_BRUNOL6

10: 149 peaks (6.2%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)
zf-C2H2.HG1.35:FEZF1/FEZF2/GFI1/GFI1B/Egr1 | Insm1 | Zfp637/Zfp944/Zfp942 | Myt1l/St18/Myt1 (ARCH530_Snai2)

11: 137 peaks (5.7%)
Nfya (ARCH178_Foxc2/Foxc1_Foxg1/G...)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (A
ARCH1627_Xbp1

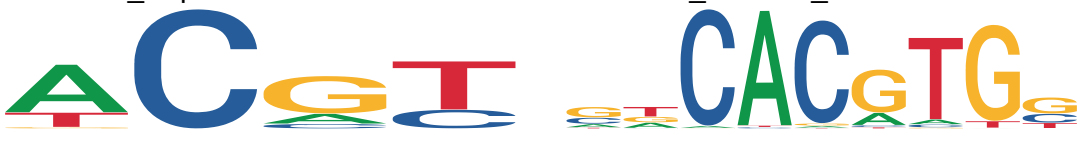
12: 113 peaks (4.7%)
ARCH419_Yy1
ARCH1627_Xbp1



13: 111 peaks (4.6%)
HMGbox_Sox.HG1.37:like:SSRP1 (ARCH11
ARCH1138_/Sox4/Sox11_Sox13/...

14: 109 peaks (4.6%)
Nfya (ARCH178_Foxc2/Foxc1_Foxg1/G...)
ARCH1573_M08725_2.00

15: 105 peaks (4.4%)
ARCH1627_Xbp1
ARCH1573_M08725_2.00



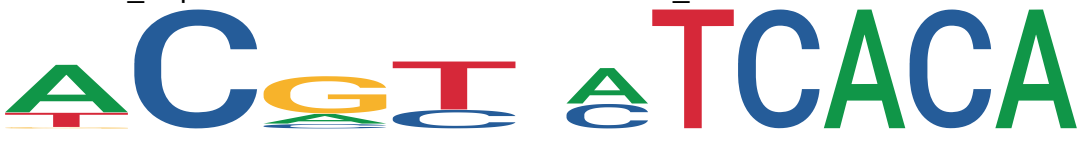
16: 101 peaks (4.2%)
ARCH1138_/Sox4/Sox11_Sox13/...
ARCH1627_Xbp1

17: 97 peaks (4.1%)
Nfya (ARCH178_Foxc2/Foxc1_Foxg1/G...)
ARCH419_Yy1

18: 94 peaks (3.9%)
Nfya (ARCH178_Foxc2/Foxc1_Foxg1/G...)
HMGbox_Sox.HG1.37:like:SSRP1 (ARCH11

19: 84 peaks (3.5%)
ARCH1418_Sox7
Nfya (ARCH178_Foxc2/Foxc1_Foxg1/G...)

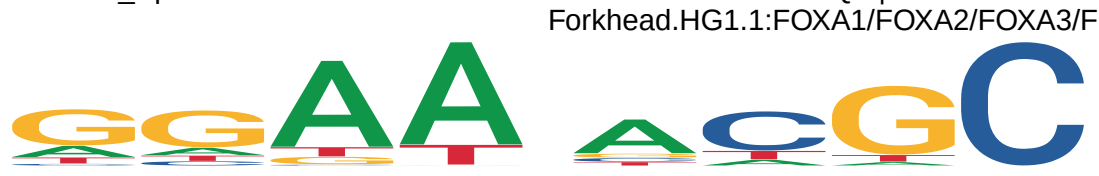
20: 84 peaks (3.5%)
ARCH1627_Xbp1
ARCH750_BRUNOL6



neuron_GATA_Islet_1

1: 1320 peaks (57.3%)
ARCH438_Spdef
ARCH647_Smad2/Smad3_Smad9/S...

2: 1015 peaks (44.0%)
ARCH438_Spdef
Forkhead.HG1.5:FOXQ1 |
Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FO



3: 917 peaks (39.8%)
ARCH647_Smad2/Smad3_Smad9/S...
Forkhead.HG1.5:FOXQ1 |
Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FO

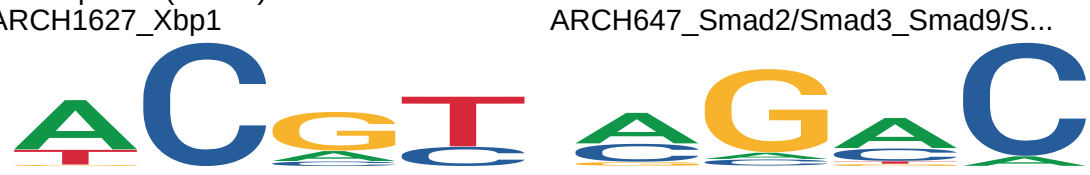
4: 837 peaks (36.3%)
ARCH438_Spdef
ARCH1408_GATA20

5: 749 peaks (32.5%)
ARCH647_Smad2/Smad3_Smad9/S...
ARCH1408_GATA20

6: 718 peaks (31.1%)
ARCH438_Spdef
ARCH647_Smad2/Smad3_Smad9/S...
Forkhead.HG1.5:FOXQ1 |
Forkhead.HG1.1:FOXA1/FOXA

7: 676 peaks (29.3%)
ARCH438_Spdef
ARCH1627_Xbp1

8: 611 peaks (26.5%)
ARCH1627_Xbp1
ARCH647_Smad2/Smad3_Smad9/S...



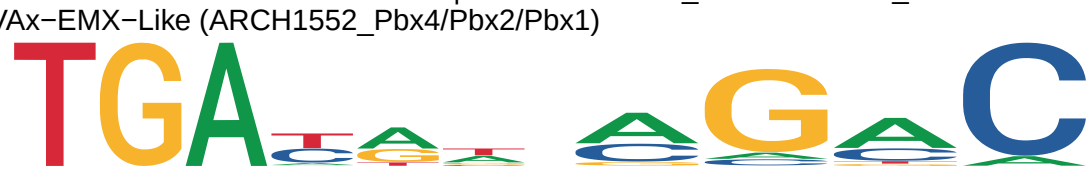
9: 604 peaks (26.2%)
ARCH438_Spdef
ARCH647_Smad2/Smad3_Smad9/S...
ARCH1408_GATA20

10: 595 peaks (25.8%)
Forkhead.HG1.5:FOXQ1 |
Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB...
ARCH1408_GATA20
(ARCH895_Foxn4/Foxn1)

11: 569 peaks (24.7%)
ARCH438_Spdef
Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633

12: 550 peaks (23.9%)
ARCH438_Spdef
Homeodomains.HG1.54:like:NOTO |
VAx−EMX−Like (ARCH1552_Pbx4/Pbx2/Pbx

13: 513 peaks (22.3%)
Homeodomains.HG1.54:like:NOTO |
VAx−EMX−Like (ARCH1552_Pbx4/Pbx2/Pbx1)
ARCH647_Smad2/Smad3_Smad9/S...



14: 504 peaks (21.9%)
ARCH647_Smad2/Smad3_Smad9/S...
Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633

15: 486 peaks (21.1%)
ARCH1627_Xbp1
Forkhead.HG1.5:FOXQ1 |
Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FO

16: 474 peaks (20.6%)
ARCH438_Spdef
ARCH1627_Xbp1
ARCH647_Smad2/Smad3_Sm

17: 473 peaks (20.5%)
ARCH438_Spdef
Forkhead.HG1.5:FOXQ1 |
Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (A
ARCH1408_GATA20

18: 428 peaks (18.6%)
ARCH647_Smad2/Smad3_Smad9/S...
Forkhead.HG1.5:FOXQ1 |
Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (A
ARCH1408_GATA20

19: 407 peaks (17.7%)
Arid3c/Arid3a/Arid3b (ARCH13_Arid2_Arid3c/Arid3a...)
ARCH438_Spdef

20: 402 peaks (17.4%)
ARCH438_Spdef
Homeodomains.HG1.54:like:NOTO |
VAx−EMX−Like (ARCH1552_Pbx4/Pbx2/Pbx1)
ARCH647_Smad2/Smad3_Sm

neuron_GATA_Islet_2

1: 947 peaks (61.0%)
ARCH438_Spdef
ARCH647_Smad2/Smad3_Smad9/S...

2: 812 peaks (52.3%)
ARCH438_Spdef
Forkhead.HG1.5:FOXQ1 |
Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FO

3: 698 peaks (45.0%)
ARCH647_Smad2/Smad3_Smad9/S...
Forkhead.HG1.5:FOXQ1 |
Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FO

4: 585 peaks (37.7%)
ARCH438_Spdef
ARCH647_Smad2/Smad3_Smad9/S...
Forkhead.HG1.5:FOXQ1 |
Forkhead.HG1.1:FOXA1/FOX

5: 528 peaks (34.0%)
ARCH1627_Xbp1
ARCH438_Spdef

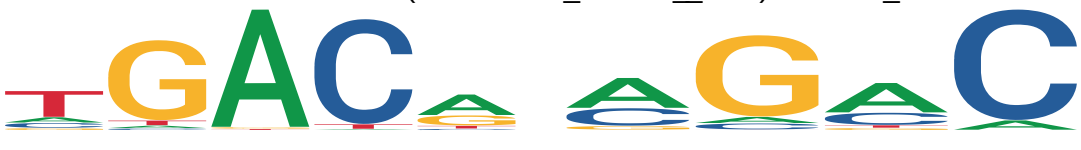
6: 453 peaks (29.2%)
ARCH1627_Xbp1
ARCH647_Smad2/Smad3_Smad9/S...

7: 391 peaks (25.2%)
ARCH1627_Xbp1
Forkhead.HG1.5:FOXQ1 |
Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FO

8: 381 peaks (24.5%)
Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH163
ARCH438_Spdef

9: 379 peaks (24.4%)
ARCH1627_Xbp1
ARCH438_Spdef
ARCH647_Smad2/Smad3_Sm

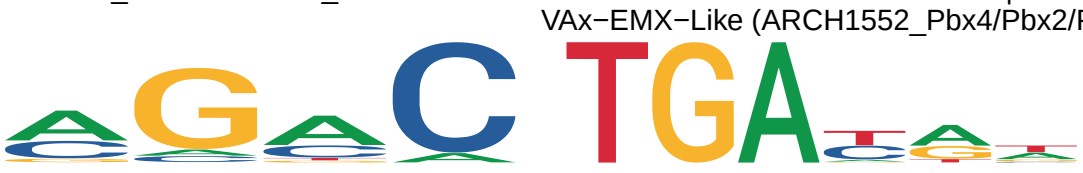
10: 339 peaks (21.8%)
Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH163
ARCH647_Smad2/Smad3_Smad9/S...



11: 339 peaks (21.8%)
ARCH438_Spdef
Homeodomains.HG1.54:like:NOTO |
VAx−EMX−Like (ARCH1552_Pbx4/Pbx2/Pbx

12: 334 peaks (21.5%)
ARCH1627_Xbp1
ARCH438_Spdef
Forkhead.HG1.5:FOXQ1 |
Forkhead.HG1.1:FOXA1/FOX

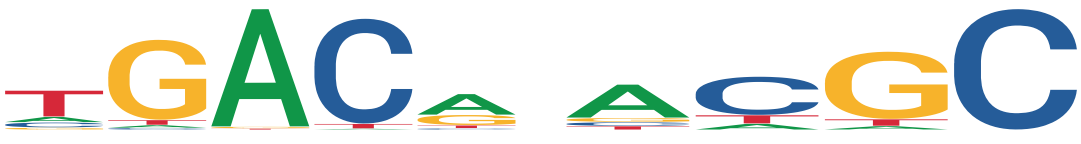
13: 310 peaks (20.0%)
ARCH647_Smad2/Smad3_Smad9/S...
Homeodomains.HG1.54:like:NOTO |
VAx−EMX−Like (ARCH1552_Pbx4/Pbx2/Pbx



14: 280 peaks (18.0%)
ARCH1627_Xbp1
ARCH647_Smad2/Smad3_Smad9/S...
Forkhead.HG1.5:FOXQ1 |
Forkhead.HG1.1:FOXA1/FOX

15: 279 peaks (18.0%)
Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH163
ARCH647_Smad2/Smad3_Sm

16: 270 peaks (17.4%)
Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH163
Forkhead.HG1.5:FOXQ1 |
Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FO



17: 256 peaks (16.5%)
ARCH438_Spdef
ARCH647_Smad2/Smad3_Smad9/S...
Homeodomains.HG1.54:like:N
VAx−EMX−Like (ARCH1552_

18: 253 peaks (16.3%)
Forkhead.HG1.5:FOXQ1 |
Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FO
Homeodomains.HG1.54:like:NOTO |
VAx−EMX−Like (ARCH1552_Pbx4/Pbx2/Pbx

19: 248 peaks (16.0%)
ARCH438_Spdef
Arid3c/Arid3a/Arid3b (ARCH13_Arid2_Arid3

20: 239 peaks (15.4%)
ARCH1627_Xbp1
ARCH438_Spdef
ARCH647_Smad2/Smad3_Smad9/S...
Forkhead.HG1.5:FOXQ
Forkhead.HG1.1:FOXA

neuron_Pou4_FoxL2_1

1: 294 peaks (12.2%)
Forkhead.HG1.5:FOXQ1 | Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633
Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)

2: 288 peaks (11.9%)
Forkhead.HG1.5:FOXQ1 | Foxn4/Foxn1 (ARCH954_Foxn4/Foxn1)
Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)

3: 265 peaks (11.0%)
Forkhead.HG1.5:FOXQ1 | Pou4 (ARCH56_POU4F1)
Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)

4: 244 peaks (10.1%)
Forkhead.HG1.5:FOXQ1 | FoxL2 |
Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)

5: 234 peaks (9.7%)
Forkhead.HG1.5:FOXQ1 | zf−C2H2.HG1.35:FEZF1/FEZF2/GFI1/GFI1B
Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1) Egr3/Egr1 |
Insm1 |
Zfp637/Zfp944/Zfp942 |
Myt1l/St18/Myt1 (ARCH530_Snai2)

6: 199 peaks (8.2%)
Forkhead.HG1.5:FOXQ1 | Pbx4/Pbx2/Pbx1 |
Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)

7: 191 peaks (7.9%)
Forkhead.HG1.5:FOXQ1 | ARCH1103_M09140_2.00__M0918...
Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)

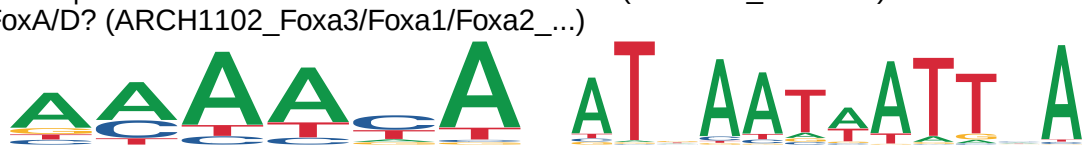
8: 189 peaks (7.8%)
Forkhead.HG1.5:FOXQ1 | Arid3c/Arid3a/Arid3b (ARCH13_Arid2_Arid3
Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)

9: 142 peaks (5.9%)
Forkhead.HG1.5:FOXQ1 | ARCH973_Foxa3/Foxa1/Foxa2
Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)

10: 141 peaks (5.8%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.31:like:FOXO1/FOXO3/FOXO
Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)

11: 139 peaks (5.7%)
Forkhead.HG1.5:FOXQ1 | ARCH1138_/Sox4/Sox11_Sox13/...
Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)

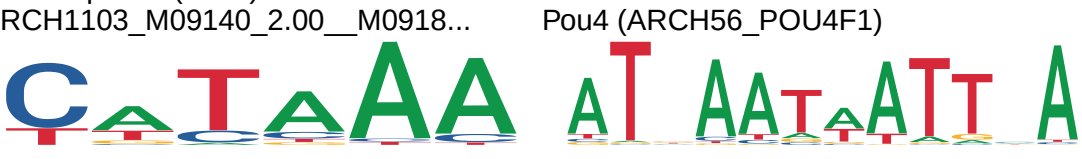
12: 114 peaks (4.7%)
FoxL2 | Pou4 (ARCH56_POU4F1)
FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_...)



13: 112 peaks (4.6%)
Foxn4/Foxn1 (ARCH954_Foxn4/Foxn1) Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633

14: 108 peaks (4.5%)
FoxL2 | Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633
FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_...)

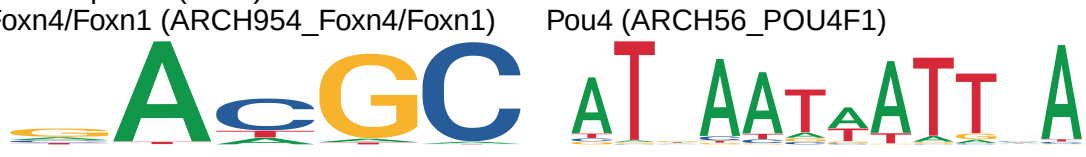
15: 106 peaks (4.4%)
ARCH1103_M09140_2.00__M0918... Pou4 (ARCH56_POU4F1)



16: 105 peaks (4.3%)
Pou4 (ARCH56_POU4F1) Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633

17: 104 peaks (4.3%)
Arid3c/Arid3a/Arid3b (ARCH13_Arid2_Arid3 Pou4 (ARCH56_POU4F1)

18: 103 peaks (4.3%)
Foxn4/Foxn1 (ARCH954_Foxn4/Foxn1) Pou4 (ARCH56_POU4F1)



19: 102 peaks (4.2%)
Foxn4/Foxn1 (ARCH954_Foxn4/Foxn1) zf−C2H2.HG1.35:FEZF1/FEZF2/GFI1/GFI1B
Egr3/Egr1 |
Insm1 |
Zfp637/Zfp944/Zfp942 |
Myt1l/St18/Myt1 (ARCH530_Snai2)

20: 99 peaks (4.1%)
Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633 zf−C2H2.HG1.35:FEZF1/FEZF2/GFI1/GFI1B
Egr3/Egr1 |
Insm1 |
Zfp637/Zfp944/Zfp942 |
Myt1l/St18/Myt1 (ARCH530_Snai2)

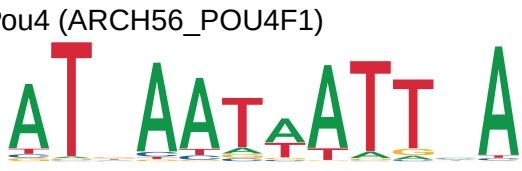
neuron_Pou4_FoxL2_2

1: 112 peaks (6.2%)
ARCH1420_RUNX2

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

2: 92 peaks (5.1%)
ARCH1420_RUNX2

Pou4 (ARCH56_POU4F1)



3: 87 peaks (4.8%)
Pou4 (ARCH56_POU4F1)

Zfp760/Zfp770 (ARCH1200_Zfp760/Zfp770)

4: 84 peaks (4.7%)
FoxL2 |
FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_...)

Pou4 (ARCH56_POU4F1)

5: 84 peaks (4.7%)
FoxL2 |
FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_...)

Zfp760/Zfp770 (ARCH1200_Zfp760/Zfp770)

6: 82 peaks (4.6%)
ARCH1420_RUNX2

Zfp760/Zfp770 (ARCH1200_Zfp760/Zfp770)

7: 76 peaks (4.2%)
FoxL2 |
FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_...)

Arid3c/Arid3a/Arid3b (ARCH13_Arid2_Arid3

8: 72 peaks (4.0%)
ARCH1420_RUNX2

Arid3c/Arid3a/Arid3b (ARCH13_Arid2_Arid3

9: 72 peaks (4.0%)
FoxL2 |
FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_...)

Terf2ip |
Ncor2/Ncor1 |
Msantd4/Mypop (ARCH646_Msantd4/Mypop

10: 70 peaks (3.9%)
ARCH1138_/Sox4/Sox11_Sox13/...

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

11: 67 peaks (3.7%)
Arid3c/Arid3a/Arid3b (ARCH13_Arid2_Arid3

Pou4 (ARCH56_POU4F1)

12: 66 peaks (3.7%)
ARCH1420_RUNX2

ARCH1138_/Sox4/Sox11_Sox13/...

13: 62 peaks (3.5%)
ARCH1420_RUNX2

Terf2ip |
Ncor2/Ncor1 |
Msantd4/Mypop (ARCH646_Msantd4/Mypop

14: 59 peaks (3.3%)
ARCH1103_M09140_2.00__M0918...

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

15: 59 peaks (3.3%)
Pou4 (ARCH56_POU4F1)

Terf2ip |
Ncor2/Ncor1 |
Msantd4/Mypop (ARCH646_Msantd4/Mypop

16: 58 peaks (3.2%)
Pou4 (ARCH56_POU4F1)

HMGbox_Sox.HG1.37:like:SSRP1 (ARCH11

17: 57 peaks (3.2%)
FoxL2 |
FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_...)

HMGbox_Sox.HG1.37:like:SSRP1 (ARCH11

18: 56 peaks (3.1%)
ARCH1103_M09140_2.00__M0918...

ARCH1420_RUNX2

19: 56 peaks (3.1%)
ARCH1138_/Sox4/Sox11_Sox13/...

Pou4 (ARCH56_POU4F1)

20: 55 peaks (3.1%)
Arid3c/Arid3a/Arid3b (ARCH13_Arid2_Arid3

Zfp760/Zfp770 (ARCH1200_Zfp760/Zfp770)

neuron_Pou4_FoxL2_3

1: 403 peaks (18.1%)
ARCH438_Spdef

Pou4 (ARCH56_POU4F1)

2: 333 peaks (15.0%)
ARCH438_Spdef

Arid3c/Arid3a/Arid3b (ARCH13_Arid2_Arid3

3: 303 peaks (13.6%)
ARCH438_Spdef

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

4: 301 peaks (13.5%)
ARCH438_Spdef

HMGbox_Sox.HG1.37:like:SSRP1 (ARCH11

5: 288 peaks (12.9%)
ARCH438_Spdef

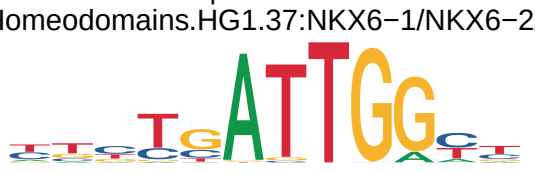
Zfp760/Zfp770 (ARCH1200_Zfp760/Zfp770)

6: 285 peaks (12.8%)
ARCH438_Spdef

zf−C2H2.HG1.35:FEZF1/FEZF2/GFI1/GFI1E
Egr3/Egr1 |
Insm1 |
Zfp637/Zfp944/Zfp942 |
Myt1l/St18/Myt1 (ARCH530_Snai2)

7: 267 peaks (12.0%)
ARCH438_Spdef

Pbx4/Pbx2/Pbx1 |
Homeodomains.HG1.37:NKX6−1/NKX6−2/N



8: 260 peaks (11.7%)
ARCH438_Spdef

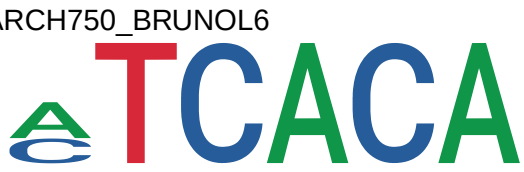
ARCH1103_M09140_2.00__M0918...

9: 257 peaks (11.6%)
ARCH438_Spdef

ARCH1420_RUNX2

10: 234 peaks (10.5%)
ARCH438_Spdef

ARCH750_BRUNOL6



11: 220 peaks (9.9%)
ARCH438_Spdef

ARCH496_Zic3

12: 190 peaks (8.5%)
ARCH438_Spdef

ARCH1138_/Sox4/Sox11_Sox13/...

13: 102 peaks (4.6%)
Arid3c/Arid3a/Arid3b (ARCH13_Arid2_Arid3c/Arid3a/...)

Pou4 (ARCH56_POU4F1)

14: 85 peaks (3.8%)
Arid3c/Arid3a/Arid3b (ARCH13_Arid2_Arid3c/Arid3a/...)

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

15: 85 peaks (3.8%)
FoxL2 |
FoxA/D? (ARCH1102_Foxa3/Foxa1/Foxa2_...)

Pou4 (ARCH56_POU4F1)

16: 84 peaks (3.8%)
Pou4 (ARCH56_POU4F1)

Zfp760/Zfp770 (ARCH1200_Zfp760/Zfp770)

17: 84 peaks (3.8%)
ARCH438_Spdef

Arid3c/Arid3a/Arid3b (ARCH13_Arid2_Arid3c/Arid3a/...)

Pou4 (ARCH56_POU4F1)

18: 81 peaks (3.6%)
Pou4 (ARCH56_POU4F1)

HMGbox_Sox.HG1.37:like:SSRP1 (ARCH11

19: 73 peaks (3.3%)
ARCH438_Spdef

Pou4 (ARCH56_POU4F1)

Zfp760/Zfp770 (ARCH1200_Z

20: 72 peaks (3.2%)
Pbx4/Pbx2/Pbx1 |
Homeodomains.HG1.37:NKX6−1/NKX6−2/NKX6−3 (A

zf−C2H2.HG1.35:FEZF1/FEZF2/GFI1/GFI1E
Egr3/Egr1 |
Insm1 |
Zfp637/Zfp944/Zfp942 |
Myt1l/St18/Myt1 (ARCH530_Snai2)

neuronal_gastrula

1: 1032 peaks (17.0%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)
ARCH1627_Xbp1

2: 693 peaks (11.4%)
Nfya (ARCH178_Foxc2/Foxc1_Foxg1/G...)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FO

3: 567 peaks (9.4%)
Foxn4/Foxn1 (ARCH954_Foxn4/Foxn1)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FO

4: 538 peaks (8.9%)
ARCH419_Yy1
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FO

5: 423 peaks (7.0%)
Nfya (ARCH178_Foxc2/Foxc1_Foxg1/G...)
ARCH1627_Xbp1

6: 380 peaks (6.3%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)
ARCH750_BRUNOL6

7: 342 peaks (5.7%)
ARCH419_Yy1
ARCH1627_Xbp1

8: 337 peaks (5.6%)
Foxn4/Foxn1 (ARCH954_Foxn4/Foxn1)
ARCH1627_Xbp1

9: 240 peaks (4.0%)
ARCH1627_Xbp1
ARCH750_BRUNOL6

10: 221 peaks (3.7%)
Nfya (ARCH178_Foxc2/Foxc1_Foxg1/G...)
Foxn4/Foxn1 (ARCH954_Foxn4/Foxn1)

11: 215 peaks (3.6%)
Nfya (ARCH178_Foxc2/Foxc1_Foxg1/G...)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (A
ARCH1627_Xbp1

12: 207 peaks (3.4%)
Nfya (ARCH178_Foxc2/Foxc1_Foxg1/G...)
ARCH419_Yy1

13: 195 peaks (3.2%)
Foxn4/Foxn1 (ARCH954_Foxn4/Foxn1)
ARCH419_Yy1

14: 194 peaks (3.2%)
Foxn4/Foxn1 (ARCH954_Foxn4/Foxn1)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (A
ARCH1627_Xbp1

15: 170 peaks (2.8%)
ARCH419_Yy1
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (A
ARCH1627_Xbp1

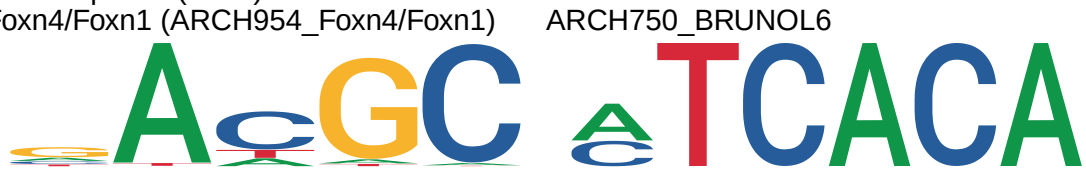
16: 143 peaks (2.4%)
Nfya (ARCH178_Foxc2/Foxc1_Foxg1/G...)
ARCH750_BRUNOL6

17: 138 peaks (2.3%)
ARCH419_Yy1
ARCH750_BRUNOL6

18: 129 peaks (2.1%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB...
ARCH1627_Xbp1
ARCH750_BRUNOL6 (ARCH895_Foxn4/Foxn1)

19: 128 peaks (2.1%)
Nfya (ARCH178_Foxc2/Foxc1_Foxg1/G...)
Foxn4/Foxn1 (ARCH954_Foxn4/Foxn1)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA

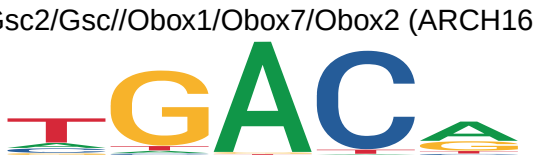
20: 105 peaks (1.7%)
Foxn4/Foxn1 (ARCH954_Foxn4/Foxn1)
ARCH750_BRUNOL6



gland

1: 93 peaks (12.1%)
ARCH1627_Xbp1

Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633



2: 76 peaks (9.9%)
ARCH1627_Xbp1

Pbx4/Pbx2/Pbx1 |
Homeodomains.HG1.37:NKX6−1/NKX6−2/N

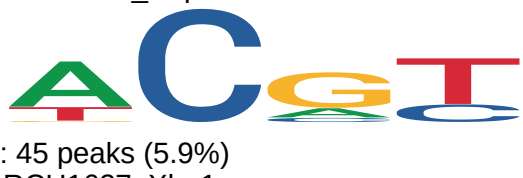
3: 70 peaks (9.1%)
ARCH1627_Xbp1

ARCH1138_/Sox4/Sox11_Sox13/...

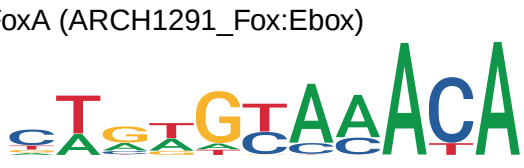
4: 64 peaks (8.3%)
ARCH1627_Xbp1

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

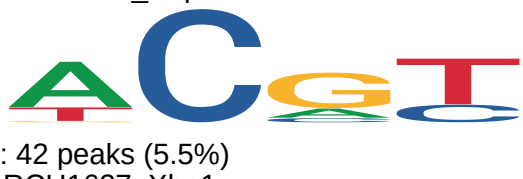
5: 47 peaks (6.1%)
ARCH1627_Xbp1



FoxA (ARCH1291_Fox:Ebox)

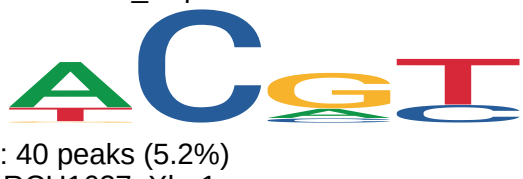


6: 45 peaks (5.9%)
ARCH1627_Xbp1



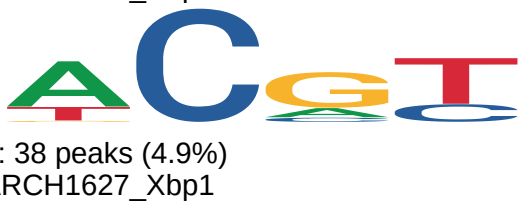
ARCH973_Foxa3/Foxa1/Foxa2

7: 42 peaks (5.5%)
ARCH1627_Xbp1



ARCH143_WRKY27

8: 40 peaks (5.2%)
ARCH1627_Xbp1

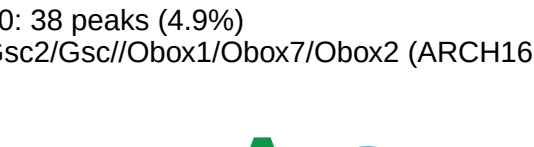


HMGbox_Sox.HG1.37:like:SSRP1 (ARCH11

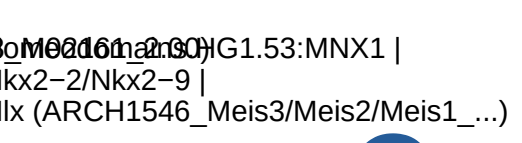
9: 38 peaks (4.9%)
ARCH1627_Xbp1

zf−C2H2.HG1.35:FEZF1/FEZF2/GFI1/GFI1E
Egr3/Egr1 |
Insm1 |
Zfp637/Zfp944/Zfp942 |
Myt1l/St18/Myt1 (ARCH530_Snai2)

10: 38 peaks (4.9%)
Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633_M02161_2.00)



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



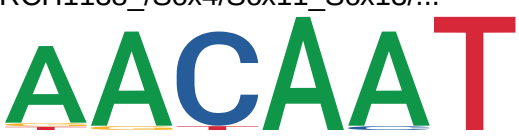
11: 36 peaks (4.7%)
ARCH1627_Xbp1

ARCH452_Rfx1/Rfx3/Rfx2_Rfx6

12: 34 peaks (4.4%)
Pbx4/Pbx2/Pbx1 |
Homeodomains.HG1.37:NKX6−1/NKX6−2/NKX6−3 (ARCH121_Nfya_Pbx4/Pbx2/Pbx1)

Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633

13: 32 peaks (4.2%)
ARCH1138_/Sox4/Sox11_Sox13/...



Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633

14: 31 peaks (4.0%)
FoxA (ARCH1291_Fox:Ebox)

Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633

15: 30 peaks (3.9%)
Pbx4/Pbx2/Pbx1 |
Homeodomains.HG1.37:NKX6−1/NKX6−2/NKX6−3 (ARCH121_Nfya_Pbx4/Pbx2/Pbx1)

zf−C2H2.HG1.35:FEZF1/FEZF2/GFI1/GFI1E
Egr3/Egr1 |
Insm1 |
Zfp637/Zfp944/Zfp942 |
Myt1l/St18/Myt1 (ARCH530_Snai2)

16: 29 peaks (3.8%)
ARCH973_Foxa3/Foxa1/Foxa2

Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633

17: 28 peaks (3.6%)
FoxA (ARCH1291_Fox:Ebox)

Pbx4/Pbx2/Pbx1 |
Homeodomains.HG1.37:NKX6−1/NKX6−2/N

18: 27 peaks (3.5%)
ARCH973_Foxa3/Foxa1/Foxa2

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

19: 27 peaks (3.5%)
Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633_M02161_2.00)

ARCH143_WRKY27

20: 25 peaks (3.3%)
HMGbox_Sox.HG1.37:like:SSRP1 (ARCH1633_M02161_2.00)

Gsc2/Gsc//Obox1/Obox7/Obox2 (ARCH1633

gland_mucin

1: 2452 peaks (17.6%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)
ARCH1627_Xbp1

2: 1235 peaks (8.9%)
ARCH419_Yy1
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOX

3: 1186 peaks (8.5%)
Nfya (ARCH178_Foxc2/Foxc1_Foxg1/G...)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOX

4: 1140 peaks (8.2%)
Foxn4/Foxn1 (ARCH954_Foxn4/Foxn1)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOX

5: 885 peaks (6.3%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)
ARCH750_BRUNOL6

6: 796 peaks (5.7%)
ARCH419_Yy1
ARCH1627_Xbp1

7: 756 peaks (5.4%)
ARCH379_RDS1__M06389_2.00
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOX

8: 740 peaks (5.3%)
Nfya (ARCH178_Foxc2/Foxc1_Foxg1/G...)
ARCH1627_Xbp1

9: 712 peaks (5.1%)
Foxn4/Foxn1 (ARCH954_Foxn4/Foxn1)
ARCH1627_Xbp1

10: 551 peaks (4.0%)
ARCH1627_Xbp1
ARCH750_BRUNOL6

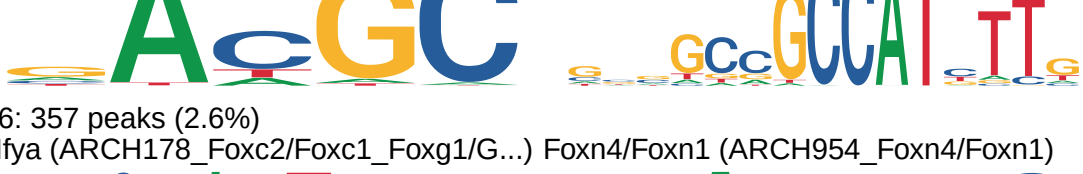
11: 454 peaks (3.3%)
ARCH379_RDS1__M06389_2.00
ARCH1627_Xbp1

12: 394 peaks (2.8%)
ARCH419_Yy1
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (A
ARCH1627_Xbp1

13: 385 peaks (2.8%)
Nfya (ARCH178_Foxc2/Foxc1_Foxg1/G...)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (A
ARCH1627_Xbp1

14: 382 peaks (2.7%)
Foxn4/Foxn1 (ARCH954_Foxn4/Foxn1)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (A
ARCH1627_Xbp1

15: 363 peaks (2.6%)
Foxn4/Foxn1 (ARCH954_Foxn4/Foxn1)
ARCH419_Yy1



16: 357 peaks (2.6%)
Nfya (ARCH178_Foxc2/Foxc1_Foxg1/G...)
Foxn4/Foxn1 (ARCH954_Foxn4/Foxn1)

17: 331 peaks (2.4%)
Nfya (ARCH178_Foxc2/Foxc1_Foxg1/G...)
ARCH419_Yy1

18: 314 peaks (2.3%)
Nfya (ARCH178_Foxc2/Foxc1_Foxg1/G...)
ARCH750_BRUNOL6

19: 312 peaks (2.2%)
ARCH419_Yy1
ARCH750_BRUNOL6

20: 298 peaks (2.1%)
Forkhead.HG1.5:FOXQ1 | Forkhead.HG1.1:FOXA1/FOXA2/FOXA3/FOXB1/FOXB... (ARCH895_Foxn4/Foxn1)
ARCH1627_Xbp1
ARCH750_BRUNOL6