

Jump to: [Multiple Alignment](#) [Motif Tree](#) [Motif Matching](#)

[Input file: 593 motifs loaded](#)

Settings: Metric=PCC, Alignment=SWU, Gap-open=1000, Gap-extend=1000, -nooverlapalign

Multiple Alignment=IR, Tree=UPGMA, Matching against: JASPAR

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Multiple Alignment

(Consensus sequence representations shown, but multiple alignment was carried out on the matrices)

```

54_CAA_LMYQR:      -----NCTTGTTARN-----
otp:               -----NYAATTAN-----
NEMVEDRAFT_v1g113057: -----NNGGATTARN-----
53_CAC_ERVSR:      -----NCGTGTTAA-----
LHX1:              -----NYNATTAN-----
LHX2:              -----NNNNTTNNNN-----
LHX3:              ----NNAWTTAATTANN-----
LHX4:              -----NTAATTAN-----
LHX6:              -----NNTAATTA-----
CBG04010:          -----NNNMATTAAANN-----
LHX9:              -----NNTNATTAN-----
PK24181.1:         -----NNNNNNNNNN-----
21_TAC_ERVSV:      -----NCGYATTANN-----
ceh-74:            -----NNNCCTCACNN-----
IRX5:              -----NNNTGTNNNACAYNN-----
IRX1:              ---NNCANNNNNNNNNNNTGNN-----
IRX3:              -----WACAYGNWWWNCRTGTW-----
IRX2:              -----NWACAYGACANN-----
10_TGG_KSVMQ:      -----NNCATTARNN-----
pal-1:             -----TTWATTAC-----
GSC2:              -----NNNATTAN-----
Isl1:              -----NCCATTAGN-----
Isl2:              -----NNNTNNN-----
18_TAG_RLTQA:      -----NNCAATTARN-----
271_AAC_KLQRF:     -----NCGTYTTANN-----
HGTX:              -----NTMATTAN-----
WOX11:             -----NNTAATTAANT-----
WOX13:             -----NNTGATTGAN-----
Q0N4F9_NEMVE:      -----MTAATTAN-----
hox12:             -----GTMATWAA-----

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eve: -----NSTAATTAGN-----
OdsH: -----NYAATTAN-----
unc-62: -----NNNTNTNNN-----
FGRRES_07914: -----NNACATGTANN-----
225_AAC_SLQRF: -----NNGTYTTARN-----
HMLALPHA2: -----NNNGTNNN-----
59_ATC_TRMAF: -----GATTANNNN-----
Q7M3U4_ACRFO: -----NNNAATTANNN-----
SNOG_11642: -----NNWTGATTANN-----
Hoxb8: -----NNNNATWNN-----
Hoxb9: -----NNNNRTWAAN-----
Six4: -----NNNKNTNNN-----
Hoxb3: -----NNNNATTAN-----
GSX1: -----NTNATKAN-----
Hoxb6: -----NNNNNNN-----
Six1: -----NNNRTATNNN-----
Six2: -----NNNTATNN-----
HOS66: -----NNNNNNNNN-----
Hoxc11: -----NNNNRTWAAN-----
Hoxc10: -----NTTTTAYGAC-----
Hoxc12: -----NNTWAYNNNN-----
264_ACT_KVYHV: -----NNGTTTANNN-----
HOXB8: -----GYMATTAN-----
HOXB9: -----NTTTTACGAC-----
SNAPOd2T00006145001: -----NNTRATTRNN-----
Q6Y859_MARMO: -----NNNATNNNNN-----
HOXB2: -----NYAATTAN-----
zfhx4: -----NYAATTANN-----
HOXB1: -----NTAATTAC-----
HOXB6: -----GYMATTAN-----
HOXB5: -----NYMATTAN-----
HOXC11: -----NNTTTACGAYN-----
HOXC10: -----NNTTTATKRCN-----
HOXC12: -----NTTTTATTACN-----
Hoxd12_CONSTRUCT: -----NNTNAYNNNN-----
272_AAC_VAQR: -----NCGTTTTANN-----
hbn: ---NTAATTAAATTAN-----
HOX6: -----NTGATTGNNN-----
Hoxa6: -----NNNNATTAN-----
HDG11: -----NCATTWAWKN-----
CAD25866: -----NNNTTGAGAKN-----
barx1: -----NNNNATTAN-----
Duxbl1: -----NTGATTRNN-----

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Hmx2:	-----NNNCRNTTNN-----
243_GGT_ATKSM:	-----NTMCTTARNN-----
ceh-24:	-----NNYNCTYNN-----
ceh-23:	-----NNNTAATTAN-----
ceh-22:	-----NNNCACTTNA-----
vis:	-----NTGTCA-----
Dfd:	-----NNYCATTANN-----
MTAL2_KLUDE:	-----WTTACAYG-----
BSX:	-----NNCGTTAN-----
B-H2:	-----NNCGTTTANN-----
B-H1:	-----NNCGTTTANN-----
HNF1B:	----GTTAATNATTAAY-----
20_TAC_QRVSA:	-----CGYATTARNN-----
CG5369:	----TAATNNAATTA-----
24_GTG_HLIQY:	-----NCACTTANNN-----
ceh-90:	-----NGTTTTANN-----
BARX1:	-----NNATTAAAWANCNATTA---
CNK00090:	-----ATAATTAA-----
mirr:	-----TGTTWNNN-----
Dbx2:	-----NNNANNN-----
Gbx2:	-----NNYAATTANN-----
Gbx1:	-----NNYAATTANN-----
Dbx1:	-----TAATTAAT-----
Hlx:	-----NNNAWNN-----
SNOG_08903:	-----TTGATTTR-----
EMX2:	-----NTAATTAG-----
EMX1:	-----NTAATTAN-----
HAT1:	-----NNATGATTRN-----
Q1WMN9_COPDI:	-----NNGATTNNNN-----
GRMZM2G087741:	-----NGMYGTCANN-----
Pdx1:	-----NNNATTAN-----
15_TCC_RMIKS:	-----NGGATTARNN-----
cad:	-----NTTTTATKGCNN-----
Q0N4H2_NEMVE:	-----ANYAATTA-----
Q9GP48_9TURB:	-----NTAATTAN-----
Q24782_9CNID:	-----TTAATTAA-----
FGRRES_01100:	-----YAATTAAW-----
229_TTC_GRISA:	-----NNYATTANNN-----
estExt_gwp_gw1.C_702:	-----NNNNTNATTN-----
218_CTG_KQNQK:	-----NNTRGTTAAN-----
Bsx:	-----NNNNATTAN-----
ceh-5:	-----NNNATTANN-----
39_CTA_IFNAK:	-----NCTMGTTANN-----

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```
MTR_2g038000: -----NNNNNAGNNN-----
POU5F1B: -----NNNTTNN-----
AAZ08039: -----NNYAATTANN-----
YHP1: -----NWWATTRNN-----
255_CCT_RADGK: -----NNNGGTTANN-----
ATEG_00670: -----NNNNACNNN-----
TVAG_451170: -----NNCRCATCAN-----
lab: -----STAATTAN-----
Nkx2-9: -----NNRAGTRNNN-----
HB-5: -NWNNNNNNCAATTATTGNTNN-----
Nkx2-1: -----NNRAGNRN-----
Nkx2-6: -----NNNCACTTNN-----
Nkx2-4: -----NNRAGNRNNN-----
43_CCT_MTNGK: -----NTGGTTAANN-----
34_GAT_RTMY: -----NGTCTTARNN-----
HMBOX1: -----NCTAGTTAN-----
caup: -----NWNTAACA-----
so: -----NGTATCAN-----
48_CCA_EHNAK: -----NNTRGTTANN-----
NEMVEDRAFT_v1g101664: -----GATYGATT-----
unc-4: ----TAATTNAATTA-----
Ubx: -----NYAATTAN-----
Rx: -----NYAATTAN-----
SNAPOd2T00005194001: -----NNTACATGTNN-----
CBG24578: -----NNNTGACAGSTN-----
HAT3.1: -----NNNGGTKYAN-----
Nkx6-3: -----NNNATNANN-----
Nkx6-1: -----NYNATTANN-----
Q6WL90_TRICY: -----NNNATTAN-----
Q9C1N5_COPSC: -----NNGATTGNN-----
SIX4: -----NNGTATCRNN-----
SIX5: -----ACTACAAYTC-----
SIX1: -----NCGTATCRNN-----
SIX2: -----NNGTATCRNN-----
Barx2: -----NNNNATTAN-----
HNF1A: ---NRTTAATNATTAACN-----
Vsx1: -----NCAATTAN-----
Vsx2: -----NYAATTAN-----
RAX: -----YTAATTAN-----
WUS: -----TCAWTCAWTCA-----
GRMZM2G135447: -----SMYGTCAN-----
HDG7: -----NCATTAAWTRN-----
HDG1: -----NCATTAATTRN-----
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DPRX:	-----NGGATTATCN-----
ESX1:	-----NYAATTAN-----
SHOX2:	-----NYAATTAN-----
270_AAG_RAQWF:	-----CCTYTTNNNN-----
NEMVEDRAFT_v1g129868:	-----NNNNNTNRN-----
CADAORAG00002315:	-----NNNNACANN-----
203_GTC_VQKRF:	-----NCGTCTTAR-----
ATHB-53:	-----NCAATTATTGN-----
Tlx2:	-----ATTAAWTA-----
ATHB-51:	-----ATWATTNN-----
ceh-62:	-----NNTAATTANN-----
CaO19.4000:	-----NNNNATTRN-----
Rax:	-----NNAATTANN-----
49_CAT_LSQSR:	-----NNTGTTARN-----
en:	-----NYAATTAN-----
Nobox:	-----NNYNATNNN-----
221_CTG_RLYQK:	-----NNTRGTTAAN-----
abd-A:	-----NGTAATTANN-----
D11:	-----NYAATTAN-----
Lhx6_CONSTRUCT:	-----NYAATYANN-----
pha-2:	-----NNNATNNNNN-----
MNX1:	-----NTAATTAN-----
Cphx1:	-----WGATNNNNNN-----
CG11085:	-----NCRATTAN-----
ftz:	-----GTAATTAA-----
uncx:	-----NYAATTANN-----
EN1:	-----NNTAATTA-----
EN2:	-----NTAATTAN-----
42_CGA_TFYAA:	-----NCTCGTTAN-----
E5:	-----NNNATTAN-----
HAT22:	-----AATGATTRNN-----
ro:	-----TAATTARN-----
2_TTT_RTVSA:	-----NNNATTARNN-----
lms:	-----NYAATTAN-----
ENSCING00000016045:	-----NCYAATTARNN-----
En1:	-----NNNANNN-----
Hoxa5:	-----NNNNATTAN-----
egl-5:	-----CCCATTAAT-----
Hoxa3:	-----NNYNATTAN-----
Hoxa2:	-----NNTAATTANN-----
Hoxa1:	-----NNYNATTNN-----
PK19166.1:	-----RTTAGGGG-----
26_GGT_ALKNM:	-----NCGCCTTAAN-----

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Hoxa9:	-----NNNNNNNN-----
CIMG_06089:	-----NNNNNNNNNN-----
Nanog:	-----NNNNATNNN-----
Gsx2:	-----NNNNATTAN-----
HAT3:	-----NTGATTRN-----
HAT2:	-----NNAATGATTRN-----
HAT5:	-----WNAATTATTNN-----
Dbx:	-----ATTAATTA-----
223_CTC_RTFGK:	-----NTTAGTTANN-----
NCU03266:	-----NYNATTWNNN-----
Q0N4H9_NEMVE:	-----NNNNTYRNN-----
PDX1:	-----NTMATTAR-----
NK7.1:	-----NACCGTTTAAN-----
ISX:	-----CTAATTAN-----
Q70LF3_ARTSF:	-----NTAATTAN-----
Hoxa11:	-----NNNTTTACGANN-----
Hoxa10:	-----NNNNNTNNN-----
Nkx2-2:	-----NNNRAGNRN-----
303_CTC_VMNRK:	-----NTGAGTTANN-----
CAD26261:	-----TWWATTANN-----
KNAT4:	-----NNNNGTCNN-----
KNAT7:	-----AGAYGTCA-----
KNAT6:	-----NNNNGTCNNN-----
Hmx:	-----NCAMTTAN-----
KNAT3:	-----NNNNGTCNNN-----
Lim3:	-----NTAATTAN-----
Lim1:	-----NYAATTAN-----
lin-39:	-----GATTGATG-----
PRH_PETCR:	-----ATATATWA-----
Abd-B:	-----NWTTTACGACN-----
Q9BJW6_9CNID:	-----NCTAATTANN-----
Nkx3-1:	-----NNAAGTGNNN-----
Otp:	-----NNATTANN-----
Nkx3-2:	-----NNAAGTRNN-----
ceh-19:	-----NNCNATTAN-----
247_GCG_RTDRS:	-----NKKCTTARNN-----
Meis3:	-----NTGTCAN-----
55_CAA_LHYVR:	-----NNTTGTTANN-----
Q24780_9CNID:	-----NNTAATTAANN-----
Hdx:	-----NNATNNN-----
ATHB-12:	-----NNNNNNNN-----
ATHB-13:	-----NNAATTATTRN-----
ATHB-16:	-----AATKATTA-----

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ATHB-15:	-----AATAATTACT-----
Q00354_COPCI:	-----NGATTGGT-----
AGAP009986:	-----NNNNTGTNNN-----
Mnx1:	-----NNNNNATTAN-----
Q86SD7_PODCA:	-----NNTAATTANN-----
HOXA6:	-----NGYMATTANN-----
HOXA5:	-----STAATTAS-----
HOXA2:	-----NTAATTAN-----
HOXA1:	-----NNTAATTANN-----
Q8VHG7_MOUSE:	-----NGGATTAW-----
4_TTC_VRVSA:	-----NNNATTARNN-----
HOXA9:	-----NNNTTTAYGAYN-----
Obox6:	-----NNRGATTAN-----
Obox5:	-----NNNATNAN-----
Obox3:	-----NNATNWN-----
Obox1:	-----NNNGGATTAN-----
lbe:	-----NNTCGTTA-----
38_CTA_LHYAK:	-----NCTAGTTARN-----
256_CCA_RLYQK:	-----NNTRGTTANN-----
lbl:	-----CTMATTAN-----
HXD12_HETFR:	-----TTAATTAC-----
DMBX1:	-----NGGATTAN-----
ALX3:	-----NYAATTAN-----
73_AAT_KLTAF:	-----NTACTTARNN-----
Emx2:	-----NNNNATTAN-----
ALX4:	-----NYAATTAN-----
75_AAC_SISRF:	-----NNTCTTAANN-----
NEMVEDRAFT_v1g114268:	-----AYCNATTAN-----
vnd:	-----TYTCAAGTR-----
Smp_158000:	-----CYAATTAA-----
CG32105:	-----YTAATTAA-----
DRGX:	-----NYAATTAN-----
46_CCC_RLDSK:	-----NCGGGTTAR-----
Dlx4:	-----NNNATTAN-----
bsh:	----TAATYTAATTA-----
ATEG_04171:	-----NNNYAATTWN-----
exex:	-----NNNNYAATTNNCNN-----
SNAPod2T00003340001:	-----NWWATTANNN-----
CBG10835:	-----NNNNTCANN-----
schlank:	-----AWNTTGGTRG-----
TLX2:	-----NYAATTAN-----
TLX3:	NAATTGNNNNNNNNNNNNNNCAATTN----
GSX2:	-----SYMATTAN-----

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37_GAA_RFQKF:      -----NSTTCTTAAN-----
TGIF2:             ---TGACANNTGTCA-----
TGIF1:             ---TGACAGCTGTCA-----
Dmbx1:             -----NNRGATTAN-----
Rhox6:             -----NNNATTAN-----
CG18599:           -----TAATTAN-----
Rhox8:             -----NTTACACCN-----
Uncx:              ---NTAATTNRATTAN-----
40_CGG_STRER:      -----YCCGTTAANN-----
13_TCT_ATVKA:      -----NGGATTARNN-----
Hoxb5:             -----NNNNATNAN-----
Tgif2:             -----NNNTGTCANN-----
Tgif1:             -----NNNTGTCANN-----
PK20392.1:         -----NNATKATTNN-----
C4B866_NEMVE:      -----NNNTAATTAANN-----
Hoxd8:             -----NNNNNNNN-----
Hoxd9:             -----NCCATWAAA-----
yox1:              -----NNNNATNNNN-----
Hoxd1:             -----NNNNATYN-----
Hoxd3:             -----NNYAATTANN-----
14_TCG_KGTQM:      -----CCCATTARNN-----
POU6F1:            -----NNTAATTANN-----
Y749_MIMIV:        -----TATATTAA-----
Q0N4H7_NEMVE:      -----NNNNNATNNN-----
Meox1:             -----NNYMATTAN-----
HOXD8:             -----GYMATTAN-----
HOXD9:             -----NTTTTATTGC-----
EVX1:              -----NTAATTAN-----
HOXD1:             -----NTAATTAN-----
EVX2:              -----NTAATTAN-----
repo:              -----NYTAATTAAN-----
PDF2:              ---NANRGAATATTCNNN-----
hbx4:              -----NNNYGTCANN-----
hbx2:              -----NNATATATWN-----
bap:               -----NNCACTTANN-----
PK25034.1:         -----NNMNGTCANN-----
SNAPod2T00006620001: -----NYAATTAN-----
ems:               -----NTAATTAN-----
PRRX1:             -----NYAATTAN-----
CG15696:           -----NNNATTRNN-----
PRRX2:             -----NNCRTNAN-----
NCU03070:          -----WWTATTGRNN-----
FGRRES_17238:      -----NNNNACNNNN-----

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hbx5-2: -----WTGATTRN-----
Meis2: -----NTGTCAN-----
Meis1: -----NNNTGTCAN-----
hbx5-1: -----TTGATTGR-----
ara: -----NNAWAACA-----
CG2808: ----TAATSNAATTA-----
btn: -----NNTMATTANN-----
CAGL0H02959g: -----NNNYGTCANN-----
CAD25284: -----TTAATTAN-----
HMRA2: -----WTTACAYG-----
ATHB-22: ----NNNWAWATTATNN-----
ATHB-21: -----NNAATWATTGNTNN-----
ATHB-20: -----NNAATTATTRN-----
MEIS3: ---TGACANNTGTCA-----
MEIS2: ---TGACAGCTGTCA-----
MEIS1: -----NTGTCAN-----
tup: -----CMATTAWS-----
ceh-58: -----NNYAATTANN-----
Awh: -----NTAATTAN-----
ceh-54: -----NNYAATTAN-----
Dobox5_CONSTRUCT: -----NNRGATTAN-----
ceh-57: -----NNNNNTWAN-----
ceh-51: -----NNNATNRNN-----
ceh-53: -----NRGATTAN-----
PHO2: -----NNNNNATNNN-----
LBX2: -----CTCRTTAA-----
LBX1: -----CTAATTAN-----
226_TTT_KMISA: -----NNNATTANNN-----
Q5EVH4_OIKDI: -----NCTGTCAN-----
Q1WMN0_COPDI: -----NNGATTGNN-----
PKNOX1: ---TGACASSTGTCA-----
PKNOX2: ---TGACANNTGTCA-----
Hnf1b: -----NNNGTNNN-----
ANHX: -----TTGACAWG-----
253_CGT_VANSR: -----NNTGTTANN-----
NEMVEDRAFT_v1g81436: -----NNNNTNNNNN-----
Hnf1a: -----NNNGTTAN-----
220_CTG_LTYQK: -----NCTRGTTANN-----
ENSTNIG00000017092: -----NTGATTAN-----
H2.0: -----TNATWAA-----
NEMVEDRAFT_v1g80394: -----NNNATNNNN-----
unpg: -----NNCAATTANN-----
NEMVEDRAFT_v1g164989: -----CTAATTAR-----

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308_GCG_RLDRF:  -----NNTCTTAANN-----
216_TGC_NRVMM:  -----NGCATTARNN-----
250_GAT_AGKTF:  -----NNTCTTARNN-----
310_GTC_YRRGA:  -----NTACTTARNN-----
ANIA_01217:     -----NNTATTNNNN-----
Noto:           -----NNNNATNNNN-----
MEOX1:          -----NSTAATTANN-----
MEOX2:          -----NNTAATTANN-----
Nkx1-1:         -----NNNNATTANN-----
pdm3:           -----CTAATTAN-----
UM04928:        -----NNNATNNNNN-----
Hmbox1:         -----NNNGTNNN-----
Alx3:           -----NNNATTA-----
CG11617:        -----WTTTWACA-----
ZHX1:           -----NNNYNNNN-----
HOXA11:         -----NTTTTACGACN-----
HOXA10:         -----NTTTTACGACN-----
pb:             -----GTMATTAN-----
Alx4:           -----NTAATYNAATTAN-----
Barx1:          -----NNNNATTANN-----
ATHB-4:         -----NNMTGCATRNN-----
ATHB-5:         -----NNAATTATTGN-----
ATHB-6:         -----NATNATTNN-----
ATHB-7:         -----NNATGATTGN-----
ATHB-9:         -----NTAATCATTAYNWTN-----
Rhox11:         -----NNNTGTWNNN-----
ventx3.2:       -----TAATTAAT-----
208_CTC_HFNrk:  -----NCKASTTAAN-----
phx1:           -----NNTAATTAANN-----
CBG23031:       -----NNNNATWAAN-----
CBG08197:       -----NNNGTNNN-----
Cdx4:           -----TGATTTATNGNN-----
ATHB-X:         -----NCAATYATTNN-----
51_CAG_MSHWR:   -----NCTGTTAN-----
Prrx2:          -----NYAATTAN-----
si_dkey-43p13.5: -----NNNNWWNNNN-----
Lbx2:           -----NNNNTTNN-----
CG9876:         -----NNYRATTANS-----
NEMVEDRAFT_v1g8907: -----NNNYMATTAN-----
ind:            -----TAATTARNR-----
7_TTA_RVLRA:    -----TAATTARNN-----
237_TAG_YAVNA:  -----NMATTARNNN-----
C15:           -----YMWTTAAN-----

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hbx7:      -----NNNNGCATNTNNN-----
UNCX:      -----NNAATTNN-----
TGIF2LY:   ---TGACANNTGTCA-----
TGIF2LX:   ---TGACAGNTGTCA-----
CBG00023:  -----NNNNNATWAN-----
Prrx1:     -----NNNAATTA-----
236_TAG_KSTQM: -----NCCATTANNN-----
CG34031:   -----NNNNNNNRN-----
mix11.S:   -----NNTAATTAANN-----
NEMVEDRAFT_v1g205636: -----NTAATTAN-----
CBG07641:  -----NNTAATTANN-----
NEMVEDRAFT_v1g197288: -----NNAAGTRNNN-----
dharma:    -----GGATNNN-----
gsc:       -----NGGATTAN-----
Q68SS9_PLEDJ: -----NGATTGNN-----
Dlx5:      -----NNNATTW-----
Dlx1:      -----NYAATTAN-----
Dlx2:      -----NYAATTAN-----
Dlx3:      -----NNNNATTAN-----
Hmx1:      -----NNNCRNTTNN-----
260_ATA_KAYNA: -----NTNGTTARNN-----
CDX1:      -----NTTTTATGGCN-----
ISL1:      -----SCACTTAN-----
ISL2:      -----NCACTTAN-----
CDX2:      -----NNTTAYRAYN-----
SPU_026099: -----NTAATTAA-----
GSC:       -----NGGATTAN-----
ARGFX:     -----NCTAATTARN-----
ENSTNIG00000004116: -----CTAATTAA-----
NKX2-1:    -----NTKGAGTGNN-----
Phyra73700: -----NNNNNNNTCAN-----
prd-b:     -----NTRATTRNN-----
268_AAT_KLQAF: -----NTWCTTAANN-----
227_TTT_YRIAA: -----NAATTANNNN-----
ANIA_00885: -----NNTKACANNN-----
ventx1.1.L: -----NNNNNNNNNN-----
En2:       -----NSTAATTANN-----
CBG00029:  -----TAATTAAT-----
FGRRES_17152: -----ATGACATG-----
FGRRES_17150: -----NWTGACAWNN-----
210_CCG_RSNQK: -----NTGGTTAANN-----
YOX1:      -----YNATWWN-----
Hoxd10:    -----NNNNNNNN-----

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Hoxd11:	-----NNNNNNNN-----
MTAL2_PICAN:	-----NNNTGTNNN-----
NKX6-2:	-----NYAATTAN-----
NKX6-3:	-----NTCATTAWN-----
NKX6-1:	-----NATYAWWWNNNMATTWNTN
Hoxc9:	-----NTTAATTACN-----
Hoxc8:	-----NNNNNNNNN-----
BARHL2:	-----ANCGTTTAN-----
BARHL1:	-----NCGTTTAN-----
Hoxc6:	-----RTAATTAA-----
Shox2:	-----NYAATTAN-----
vab-7:	-----MTAATTAA-----
ENSTNIG00000006040:	-----NNNYNATTANNNN-----
HOXC9:	-----NTTTATKGCN-----
lim-4:	-----NNTAATTAR-----
Evx1:	-----NNNNATTAN-----
Evx2:	-----NNATTANN-----
Isx:	-----NNATTNNN-----
NEMVEDRAFT_v1g136480:	-----NNNNNNNNNN-----
258_ATT_RTVQQ:	-----NTMATTANNN-----
Lhx1:	-----NNNNNATTA-----
Lhx2:	-----NYMATTAN-----
Lhx3:	-----NNNTAATNN-----
Lhx4:	-----NTAATTAN-----
Lhx5:	-----NNNYAATTA-----
Lhx6:	-----NTRATTRN-----
Lhx8:	-----NTRATTANNNNTRATTAN---
Lhx9:	-----NYNATTAN-----
GRMZM2G038252:	-----NCAATCAN-----
Pknox1:	-----NGACANNN-----
Pknox2:	---TGACACCTGTCA-----
DLX4:	-----NCAATTAN-----
DLX5:	-----NCAATTAN-----
DLX6:	-----NCAATTAN-----
DLX1:	-----NYAATTAN-----
DLX2:	-----NYAATTAN-----
DLX3:	-----NYAATTAN-----
44_CCT_RGDSK:	-----CGGGTTAN-----
241_GTT_GLRAF:	-----NTACTTANNN-----
ATML1:	-----NNNANTNANN-----
ceh-34:	-----NNNRKATNNN-----
LMX1A:	-----TTAATTAN-----
LMX1B:	----NNNNTAATTAN-----

Stamp Results

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MATALPHA2:	-----NNNGNNNN-----
Gsc:	----TWANNGGATTA-----
achi:	-----NTGTCA-----
252_CTC_LRYSK:	-----NTAGTTANNN-----
HOXB3:	-----NNYMATTANN-----
RLT1:	-----NANGAANN-----
HOXD12:	-----NTTTACGAYN-----
HOXD10:	-----NTTTTATKRC-----
HOXD11:	----NTWANNNTTTACGAYN-----
CUP9:	-----NWTGTGTCAN-----
UM00578:	-----NNGATNNNN-----
FGRRES_16926_M:	-----NNNACANN-----
Scr:	-----NYMATTAN-----
TVAG_493070:	-----NNCACATCANN-----
Q4RRY4_TETNG:	-----NTRATTRNN-----
Q0ZPQ4_NEMVE:	-----CTTCTTAA-----
267_ACA_RVSHT:	-----NTGTTTAANN-----
Q00352_COPCI:	-----TGATTGGTT-----
TOS8:	-----NNNTGACGTMW-----
56_ATT_HRVQA:	-----NYAATTARNN-----
NOBOX:	-----NNNNATNRNN-----
GBX2:	-----NYAATTAN-----
GBX1:	-----NSYAATTANN-----
O76842_CUPSA:	-----NTAATTAA-----
NANOG:	-----NCNRTYAN-----
kal-1:	-----NNNTNNNN-----
AAEL012091:	-----NNGATNNNN-----
36_GAC_ATTRF:	-----NCGTCTTAN-----
scro:	-----NCACTYNNN-----
HHEX:	-----WTNAATTA-----
PK25011.1:	-----NNNNNNAWNN-----
Q0ZPQ8_NEMVE:	-----NNNYGTCAN-----
NCU09556:	-----TATATTAA-----
MIXL1:	-----NNYAATTANN-----
HDX:	-----NNNNNNNN-----
60_ATA_KTVQV:	-----NTMATTARNN-----
CG4328:	-----NWTWATTR-----
CNG03450:	-----NNWATTAN-----
232_TCG_IKNQM:	-----NYCATTARNN-----
dve:	-----NNTAATTAGN-----
Q0N4M8_NEMVE:	-----GTAATTAN-----
NKX3-2:	-----NCCACTTANN-----
NKX3-1:	-----NCCACTTANN-----

Stamp Results

10/21/20

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Irx5: -----NNTGTNNNN-----
Irx4: -----NTNTNNNN-----
CBG20882: -----NYNATNNNN-----
Irx6: -----NTNTNNN-----
Irx3: -----YWACATGAMAAA-----
Irx2: -----NNNTGTNNN-----
HMX1: -----NCAMTTANN-----
HMX3: -----NNCAMTTANNN-----
HMX2: -----NCACTTRNC-----
NEMVEDRAFT_v1g81309: -----NNNNATTAN-----
Cdx1: -----NNYNATWNN-----
inv: -----TAATTARW-----
Cdx2: -----NNYNATWWN-----
hbx10: -----NWWATTRN-----
ENSCING00000007395: -----NWNNNNNN-----
RHOXF1: -----GGATNATCN-----
ap: -----TAATTARN-----
Q70HR3_PLEPI: -----NNNTACTTAN-----
Sebox: -----NNTTAATTAN-----
263_AGA_VRFAA: -----NNTACTTANN-----
235_TAT_RAVSV: -----NNCATTARNN-----
17_TAT_TRVSA: -----NNYATTARNN-----
249_GCA_QLKQS: -----NNNNAAGTAN-----
XP_003689450.1: -----NNNANMCNNN-----
Lmx1a: -----NNNATNRN-----
Lmx1b: -----NNATNAN-----
217_GGG_KSKEG: -----NCCCTTARNN-----
ANL2: -----NCATTAATTNN-----
304_CTG_TTNQK: -----CCRGTTANNN-----
AGAP006642: -----GGATTANN-----
slou: -----NNYAATTANN-----
Meox2: -----NTAATTAN-----
RAX2: -----NYAATTAN-----
SHOX: -----NYAATTAN-----
76_AAA_RAQWF: -----CCTYTTAANN-----
NEMVEDRAFT_v1g105595: -----NNAATTAN-----
CG11294: -----TAATTNNATTA-----
Nkx1-2: -----NNNATTANN-----
Barhl2: -----NNYNNTTAN-----
Barhl1: -----NNCRTTTANN-----
bcd: -----GGATTAN-----
64_AGA_AFRAH: -----NNTMCTTAAN-----
242_GTC_LQGA: -----NTACTTANNN-----

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205_GAA_TQRQW:  -----NTACTTANN-----
Q8I9J5_9BILA:   -----NRTWATTANN-----
NOTO:           -----NYAATTAN-----
KLLA0_D10043g:  -----NNNNNNNNNN-----

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Familial Profile:
(click for matrix)

Motif Tree

Tree (drawn by Phylip) Click here for Newick-format tree (viewable with MEGA)	Input Motif	Best match in JASPAR
	<u>54 CAA LMYQR</u>	MA0217.1_caup (E val: 8.9496e-06)
	<u>42 CGA TFYAA</u>	MA0186.1_Dfd (E val: 2.4354e-03)
	<u>lbe</u>	MA0186.1_Dfd (E val: 4.2043e-04)
	<u>LBX2</u>	MA0186.1_Dfd (E val: 5.8346e-08)
	<u>39 CTA IFNAK</u>	MA0231.1_lbe

	(E val: 8.3745e-06)
<u>HMBOX1</u>	MA0231.1_lbe (E val: 4.3822e-07)
<u>38 CTA LHYAK</u>	MA0231.1_lbe (E val: 7.0847e-07)
<u>220 CTG LTYOK</u>	MA0231.1_lbe (E val: 4.1962e-05)
<u>260 ATA KAYNA</u>	MA0231.1_lbe (E val: 5.8661e-04)
<u>223 CTC RTFGK</u>	MA0231.1_lbe (E val: 1.4477e-06)
<u>252 CTC LRYSK</u>	MA0231.1_lbe (E val: 1.8927e-06)
<u>303 CTC VMNRK</u>	MA0099.2_API (E val: 6.0862e-05)
<u>53 CAC ERVSR</u>	MA0173.1_CG11617 (E val: 2.3925e-06)

<u>46 CCC RLDSK</u>	MA0421.1_YDR026C (E val: 5.5305e-06)
<u>44 CCT RGDSK</u>	MA0452.1_Kr (E val: 4.6188e-05)
<u>218 CTG KQNQK</u>	MA0231.1_lbe (E val: 1.0395e-05)
<u>43 CCT MTNGK</u>	MA0231.1_lbe (E val: 9.6156e-04)
<u>221 CTG RLYQK</u>	MA0231.1_lbe (E val: 4.9698e-05)
<u>210 CCG RSNQK</u>	MA0231.1_lbe (E val: 2.4988e-04)
<u>48 CCA EHNAK</u>	MA0231.1_lbe (E val: 1.4619e-05)
<u>256 CCA RLYQK</u>	MA0231.1_lbe (E val: 8.6188e-06)

<u>BSX</u>	MA0217.1_caup (E val: 4.8362e-03)
<u>PRRX2</u>	MA0186.1_Dfd (E val: 2.6340e-03)
<u>40 CGG STRER</u>	MA0248.1_tup (E val: 8.8280e-04)
<u>255 CCT RADGK</u>	MA0217.1_caup (E val: 5.1581e-03)
<u>ceh-57</u>	MA0217.1_caup (E val: 6.2734e-03)
<u>Hnf1b</u>	MA0217.1_caup (E val: 4.2044e-03)
<u>Hnf1a</u>	MA0217.1_caup (E val: 2.6865e-03)
<u>Hmbox1</u>	MA0231.1_lbe (E val: 9.7179e-02)

<u>271 AAC KLQRF</u>	MA0127.1_PEND (E val: 4.1253e-03)
<u>203 GTC VQKRF</u>	MA0127.1_PEND (E val: 3.2871e-04)
<u>36 GAC ATRRF</u>	MA0127.1_PEND (E val: 5.6761e-04)
<u>225 AAC SLQRF</u>	MA0393.1_STE12 (E val: 2.3663e-03)
<u>34 GAT RTMRY</u>	MA0211.1_bap (E val: 1.1833e-03)
<u>272 AAC VAQRC</u>	MA0393.1_STE12 (E val: 3.5152e-04)
<u>ceh-90</u>	MA0393.1_STE12 (E val: 1.3427e-03)
<u>250 GAT AGKTF</u>	MA0127.1_PEND (E val: 1.6496e-02)

<u>26 GGT ALKNM</u>	MA0211.1_bap (E val: 8.8493e-04)
<u>217 GGG KSKEG</u>	MA0211.1_bap (E val: 4.4540e-05)
<u>247 GCG RTDRS</u>	MA0211.1_bap (E val: 1.2248e-03)
<u>37 GAA RFOKE</u>	MA0127.1_PEND (E val: 4.5636e-06)
<u>Q0ZPQ4 NEMVE</u>	MA0127.1_PEND (E val: 1.6660e-08)
<u>268 AAT KLQAF</u>	MA0211.1_bap (E val: 1.1050e-05)
<u>75 AAC SISRF</u>	MA0211.1_bap (E val: 8.0890e-04)
<u>308 GCG RLDRE</u>	MA0211.1_bap (E val: 8.1581e-04)

<u>270 AAG RAQWF</u>	MA0053.1_MNB1A (E val: 2.4849e-02)
<u>76 AAA RAQWF</u>	MA0211.1_bap (E val: 8.9918e-04)
<u>243 GGT ATKSM</u>	MA0124.1_NKX3-1 (E val: 6.9614e-06)
<u>64 AGA AFRAH</u>	MA0211.1_bap (E val: 5.1182e-06)
<u>73 AAT KLTAf</u>	MA0211.1_bap (E val: 8.0708e-07)
<u>208 CTC HFNRK</u>	MA0211.1_bap (E val: 1.6084e-05)
<u>310 GTC YRRGA</u>	MA0124.1_NKX3-1 (E val: 1.3755e-06)
<u>242 GTC LQRGa</u>	MA0124.1_NKX3-1 (E val: 1.3807e-06)

<u>241 GTT GLRAF</u>	MA0124.1_NKX3-1 (E val: 1.5270e-06)
<u>205 GAA TORQW</u>	MA0124.1_NKX3-1 (E val: 1.8120e-06)
<u>263 AGA VRFAA</u>	MA0124.1_NKX3-1 (E val: 2.0316e-06)
<u>Q70HR3 PLEPI</u>	MA0124.1_NKX3-1 (E val: 1.7532e-06)
<u>249 GCA OLKQS</u>	MA0124.1_NKX3-1 (E val: 7.5248e-04)
<u>ceh-22</u>	MA0211.1_bap (E val: 4.4240e-08)
<u>vnd</u>	MA0253.1_vnd (E val: 1.1102e-16)
<u>24 GTG HLIQY</u>	MA0211.1_bap (E val: 1.9677e-06)

<u>bap</u>	MA0211.1_bap (E val: 2.1113e-06)
<u>ISL1</u>	MA0211.1_bap (E val: 7.7296e-07)
<u>ISL2</u>	MA0211.1_bap (E val: 6.2608e-07)
<u>HMX1</u>	MA0063.1_Nkx2-5 (E val: 2.2710e-06)
<u>HMX2</u>	MA0211.1_bap (E val: 1.1516e-08)
<u>NKX3-2</u>	MA0211.1_bap (E val: 2.0976e-06)
<u>NKX3-1</u>	MA0211.1_bap (E val: 2.0256e-06)
<u>Nkx2-6</u>	MA0211.1_bap (E val: 7.4956e-04)

<u>Nkx3-1</u>	MA0211.1_bap (E val: 8.3180e-04)
<u>Nkx2-9</u>	MA0211.1_bap (E val: 1.9645e-03)
<u>Nkx2-1</u>	MA0211.1_bap (E val: 9.7504e-04)
<u>Nkx2-2</u>	MA0211.1_bap (E val: 2.2528e-03)
<u>Nkx3-2</u>	MA0211.1_bap (E val: 6.6546e-04)
<u>scro</u>	MA0211.1_bap (E val: 1.4217e-03)
<u>Nkx2-4</u>	MA0211.1_bap (E val: 2.2018e-03)
<u>NEMVEDRAFT v1g197288</u>	MA0211.1_bap (E val: 2.4841e-03)

<u>ceh-24</u>	MA0211.1_bap (E val: 5.8321e-02)
<u>ENSCING00000007395</u>	MA0211.1_bap (E val: 3.0174e-02)
<u>Hoxb9</u>	MA0165.1_Abd-B (E val: 1.0286e-03)
<u>CBG23031</u>	MA0174.1_CG42234 (E val: 8.4823e-04)
<u>Hoxc11</u>	MA0165.1_Abd-B (E val: 2.3036e-03)
<u>Hoxa9</u>	MA0307.1_GLN3 (E val: 6.1601e-03)
<u>Hoxd10</u>	MA0307.1_GLN3 (E val: 4.1907e-03)
<u>Hoxd11</u>	MA0307.1_GLN3 (E val: 1.4126e-02)

<u>Hoxa10</u>	MA0307.1_GLN3 (E val: 8.7847e-03)
<u>Cdx2</u>	MA0307.1_GLN3 (E val: 8.2090e-03)
<u>Cdx1</u>	MA0307.1_GLN3 (E val: 7.8786e-03)
<u>Hoxc10</u>	MA0165.1_Abd-B (E val: 2.4823e-08)
<u>HOXB9</u>	MA0165.1_Abd-B (E val: 2.2251e-06)
<u>Abd-B</u>	MA0165.1_Abd-B (E val: 1.4554e-06)
<u>HOXA10</u>	MA0165.1_Abd-B (E val: 7.2371e-06)
<u>HOXA11</u>	MA0165.1_Abd-B (E val: 2.0449e-05)

<u>Hoxa11</u>	MA0165.1_Abd-B (E val: 6.8791e-06)
<u>HOXD11</u>	MA0153.1_HNF1B (E val: 2.3770e-05)
<u>HOXC11</u>	MA0165.1_Abd-B (E val: 6.4582e-06)
<u>HOXD12</u>	MA0165.1_Abd-B (E val: 1.5126e-05)
<u>HOXA9</u>	MA0165.1_Abd-B (E val: 4.9453e-07)
<u>CDX2</u>	MA0165.1_Abd-B (E val: 1.8242e-04)
<u>HOXC10</u>	MA0216.1_cad (E val: 2.9939e-09)
<u>HOXC9</u>	MA0216.1_cad (E val: 1.5245e-08)

<u>HOXC12</u>	MA0216.1_cad (E val: 4.7854e-09)
<u>cad</u>	MA0216.1_cad (E val: 2.2162e-08)
<u>HOXD9</u>	MA0216.1_cad (E val: 6.3975e-10)
<u>HOXD10</u>	MA0216.1_cad (E val: 5.7397e-10)
<u>CDX1</u>	MA0216.1_cad (E val: 1.0263e-07)
<u>Hoxd9</u>	MA0165.1_Abd-B (E val: 4.1215e-07)
<u>Cdx4</u>	MA0216.1_cad (E val: 4.8203e-07)
<u>Hoxc12</u>	MA0151.1_ARID3A (E val: 3.9486e-02)

<u>Hoxd12 CONSTRUCT</u>	MA0151.1_ARID3A (E val: 4.2453e-02)
<u>264 ACT KVVHV</u>	MA0297.1_FKH2 (E val: 6.6792e-04)
<u>267 ACA RVSHY</u>	MA0297.1_FKH2 (E val: 1.1765e-06)
<u>B-H2</u>	MA0168.1_B-H1 (E val: 3.6424e-04)
<u>B-H1</u>	MA0168.1_B-H1 (E val: 3.8028e-04)
<u>BARHL1</u>	MA0168.1_B-H1 (E val: 5.0670e-05)
<u>Barhl1</u>	MA0168.1_B-H1 (E val: 2.9661e-04)
<u>HAT3.1</u>	MA0218.1_ct (E val: 8.9984e-04)

<u>MTR_2g038000</u>	MA0132.1_Pdx1 (E val: 2.8654e-02)
<u>59_ATC_TRMAF</u>	MA0434.1_YPR013C (E val: 4.2834e-03)
<u>Q9C1N5_COPSC</u>	MA0037.1_GATA3 (E val: 5.0444e-03)
<u>Q1WMN0_COPDI</u>	MA0037.1_GATA3 (E val: 6.7599e-03)
<u>UM00578</u>	MA0190.1_Gsc (E val: 1.1501e-02)
<u>AAEL012091</u>	MA0212.1_bcd (E val: 1.3723e-02)
<u>Hdx</u>	MA0212.1_bcd (E val: 2.0846e-02)
<u>dharma</u>	MA0234.1_oc (E val: 4.8065e-04)

<u>NEMVEDRAFT_v1g113057</u>	MA0212.1_bcd (E val: 2.6743e-08)
<u>15 TCC RMIKS</u>	MA0212.1_bcd (E val: 2.6557e-08)
<u>DPRX</u>	MA0190.1_Gsc (E val: 2.8082e-08)
<u>RHOXF1</u>	MA0234.1_oc (E val: 4.4835e-08)
<u>Q8VHG7 MOUSE</u>	MA0201.1_Ptx1 (E val: 2.4983e-10)
<u>GSC</u>	MA0234.1_oc (E val: 3.9560e-09)
<u>ceh-53</u>	MA0190.1_Gsc (E val: 4.6874e-09)
<u>gsc</u>	MA0190.1_Gsc (E val: 5.2033e-09)

<u>AGAP006642</u>	MA0190.1_Gsc (E val: 4.0356e-09)
<u>bcd</u>	MA0190.1_Gsc (E val: 9.0637e-10)
<u>DMBX1</u>	MA0234.1_oc (E val: 8.8704e-09)
<u>Obox6</u>	MA0190.1_Gsc (E val: 2.0177e-08)
<u>Dobox5 CONSTRUCT</u>	MA0190.1_Gsc (E val: 2.6002e-08)
<u>Obox1</u>	MA0190.1_Gsc (E val: 3.5326e-08)
<u>13 TCT ATVKA</u>	MA0234.1_oc (E val: 3.1024e-08)
<u>Gsc</u>	MA0234.1_oc (E val: 6.2323e-08)

<u>Dmbx1</u>	MA0234.1_oc (E val: 4.4797e-05)
<u>Q1WMN9 COPDI</u>	MA0212.1_bcd (E val: 1.7040e-02)
<u>SNOG 11642</u>	MA0235.1_onecut (E val: 5.9581e-06)
<u>ENSTNIG00000017092</u>	MA0235.1_onecut (E val: 1.9058e-05)
<u>HNF1B</u>	MA0153.1_HNF1B (E val: 5.5378e-13)
<u>HNF1A</u>	MA0153.1_HNF1B (E val: 6.3727e-14)
<u>ATHB-15</u>	MA0223.1_exex (E val: 5.4407e-09)
<u>ATHB-9</u>	MA0186.1_Dfd (E val: 1.5656e-05)

<u>Duxbl1</u>	MA0235.1_onecut (E val: 4.4831e-04)
<u>HDX</u>	MA0235.1_onecut (E val: 1.7708e-04)
<u>Cphx1</u>	MA0235.1_onecut (E val: 1.1410e-03)
<u>Lhx6 CONSTRUCT</u>	MA0075.1_Prrx2 (E val: 2.2088e-04)
<u>WOX13</u>	MA0070.1_PBX1 (E val: 5.5638e-06)
<u>Q00354 COPCI</u>	MA0316.1_HAP5 (E val: 3.4094e-09)
<u>Q00352 COPCI</u>	MA0060.1_NFYA (E val: 4.3583e-09)
<u>Q68SS9 PLEDJ</u>	MA0315.1_HAP4 (E val: 9.4207e-07)

<u>HOX6</u>	MA0235.1_onecut (E val: 1.7458e-04)
<u>HAT1</u>	MA0235.1_onecut (E val: 1.4678e-04)
<u>hbx5-2</u>	MA0235.1_onecut (E val: 9.7419e-08)
<u>hbx5-1</u>	MA0070.1_PBX1 (E val: 4.1702e-10)
<u>ATHB-7</u>	MA0070.1_PBX1 (E val: 1.0559e-04)
<u>HAT3</u>	MA0235.1_onecut (E val: 2.3651e-05)
<u>GRMZM2G038252</u>	MA0426.1_YHP1 (E val: 9.8215e-06)
<u>WUS</u>	MA0070.1_PBX1 (E val: 1.4198e-05)

<u>HAT22</u>	MA0008.1_HAT5 (E val: 2.6746e-05)
<u>HAT2</u>	MA0008.1_HAT5 (E val: 1.8572e-05)
<u>ATHB-X</u>	MA0110.1_ATHB-5 (E val: 1.8404e-07)
<u>SNOG_08903</u>	MA0235.1_onecut (E val: 1.5205e-10)
<u>NEMVEDRAFT_v1g101664</u>	MA0070.1_PBX1 (E val: 5.5008e-06)
<u>lin-39</u>	MA0070.1_PBX1 (E val: 6.2232e-08)
<u>estExt_gwp_gw1.C_702</u>	MA0235.1_onecut (E val: 4.9964e-03)
<u>BARX1</u>	MA0151.1_ARID3A (E val: 1.2246e-06)

<u>NKX6-1</u>	MA0214.1_bsh (E val: 8.3352e-07)
<u>Q0N4H2 NEMVE</u>	MA0188.1_Dr (E val: 5.7239e-10)
<u>NEMVEDRAFT_v1g114268</u>	MA0188.1_Dr (E val: 6.9261e-05)
<u>NK7.1</u>	MA0054.1_myb.Ph3 (E val: 5.3691e-06)
<u>BARHL2</u>	MA0054.1_myb.Ph3 (E val: 6.5933e-07)
<u>304 CTG TTNQK</u>	MA0188.1_Dr (E val: 1.8802e-04)
<u>PK19166.1</u>	MA0372.1_RPH1 (E val: 9.3146e-09)
<u>Lhx8</u>	MA0198.1_OdsH (E val: 9.5457e-08)

<u>TLX3</u>	MA0188.1_Dr (E val: 1.1926e-03)
<u>Q0N4H7 NEMVE</u>	MA0094.1_Ubx (E val: 2.9184e-02)
<u>ventx1.1.L</u>	MA0075.1_Prrx2 (E val: 1.2557e-02)
<u>LHX2</u>	MA0075.1_Prrx2 (E val: 8.0794e-03)
<u>NEMVEDRAFT v1g129868</u>	MA0075.1_Prrx2 (E val: 5.9220e-03)
<u>Q0N4H9 NEMVE</u>	MA0075.1_Prrx2 (E val: 2.6414e-02)
<u>Hoxa3</u>	MA0075.1_Prrx2 (E val: 4.2577e-03)
<u>Barx1</u>	MA0094.1_Ubx (E val: 4.4172e-03)

<u>Mnx1</u>	MA0075.1_Prrx2 (E val: 4.4611e-03)
<u>Nkx1-1</u>	MA0075.1_Prrx2 (E val: 4.6337e-03)
<u>Hlx</u>	MA0075.1_Prrx2 (E val: 9.7967e-03)
<u>Lmx1b</u>	MA0075.1_Prrx2 (E val: 2.9556e-03)
<u>Lmx1a</u>	MA0075.1_Prrx2 (E val: 5.3755e-03)
<u>CaO19.4000</u>	MA0075.1_Prrx2 (E val: 8.5189e-03)
<u>kal-1</u>	MA0075.1_Prrx2 (E val: 6.1057e-03)
<u>PHO2</u>	MA0075.1_Prrx2 (E val: 1.2104e-02)

<u>ceh-51</u>	MA0075.1_Prrx2 (E val: 4.0765e-02)
<u>UM04928</u>	MA0075.1_Prrx2 (E val: 1.3088e-02)
<u>otp</u>	MA0426.1_YHP1 (E val: 2.8789e-08)
<u>OdsH</u>	MA0426.1_YHP1 (E val: 2.3854e-08)
<u>Dll</u>	MA0426.1_YHP1 (E val: 2.2713e-08)
<u>Vsx2</u>	MA0426.1_YHP1 (E val: 2.3819e-08)
<u>DLX5</u>	MA0426.1_YHP1 (E val: 2.1206e-08)
<u>DLX4</u>	MA0426.1_YHP1 (E val: 2.6660e-08)

<u>DLX6</u>	MA0426.1_YHP1 (E val: 2.4257e-08)
<u>DLX1</u>	MA0426.1_YHP1 (E val: 3.6604e-08)
<u>GBX2</u>	MA0426.1_YHP1 (E val: 4.0831e-08)
<u>lms</u>	MA0426.1_YHP1 (E val: 3.2934e-08)
<u>Rx</u>	MA0426.1_YHP1 (E val: 2.5179e-08)
<u>Vsx1</u>	MA0426.1_YHP1 (E val: 1.3173e-08)
<u>LHX1</u>	MA0426.1_YHP1 (E val: 3.7149e-08)
<u>Lim1</u>	MA0426.1_YHP1 (E val: 4.6222e-08)

<u>ESX1</u>	MA0426.1_YHP1 (E val: 9.7762e-08)
<u>SHOX2</u>	MA0232.1_lbl (E val: 1.2365e-07)
<u>Shox2</u>	MA0232.1_lbl (E val: 9.8309e-08)
<u>TLX2</u>	MA0232.1_lbl (E val: 8.2750e-08)
<u>DLX2</u>	MA0232.1_lbl (E val: 1.1128e-07)
<u>RAX2</u>	MA0232.1_lbl (E val: 1.1674e-07)
<u>PRRX1</u>	MA0232.1_lbl (E val: 6.1316e-08)
<u>DLX3</u>	MA0232.1_lbl (E val: 1.1929e-07)

<u>en</u>	MA0426.1_YHP1 (E val: 6.3159e-08)
<u>Dlx1</u>	MA0426.1_YHP1 (E val: 7.3537e-08)
<u>Dlx2</u>	MA0426.1_YHP1 (E val: 8.3123e-08)
<u>SNAPOd2T00006620001</u>	MA0426.1_YHP1 (E val: 5.3836e-08)
<u>ceh-54</u>	MA0426.1_YHP1 (E val: 3.0546e-07)
<u>Gbx2</u>	MA0426.1_YHP1 (E val: 2.9462e-07)
<u>Gbx1</u>	MA0426.1_YHP1 (E val: 3.9716e-07)
<u>AAZ08039</u>	MA0426.1_YHP1 (E val: 2.2824e-07)

<u>CG11085</u>	MA0426.1_YHP1 (E val: 2.0173e-08)
<u>Hmx</u>	MA0426.1_YHP1 (E val: 4.3245e-08)
<u>GBX1</u>	MA0232.1_lbl (E val: 4.9552e-07)
<u>CG9876</u>	MA0426.1_YHP1 (E val: 4.0548e-07)
<u>unpg</u>	MA0426.1_YHP1 (E val: 2.0776e-07)
<u>18 TAG RLTQA</u>	MA0426.1_YHP1 (E val: 1.1960e-07)
<u>ceh-58</u>	MA0232.1_lbl (E val: 4.0935e-07)
<u>Barhl2</u>	MA0426.1_YHP1 (E val: 5.7920e-07)

<u>ceh-19</u>	MA0426.1_YHP1 (E val: 4.4632e-07)
<u>YHP1</u>	MA0232.1_lbl (E val: 5.2801e-06)
<u>ATEG 04171</u>	MA0232.1_lbl (E val: 4.6903e-06)
<u>NCU03266</u>	MA0196.1_NK7.1 (E val: 1.9654e-08)
<u>HMX3</u>	MA0426.1_YHP1 (E val: 2.8398e-07)
<u>ENSTNIG00000006040</u>	MA0426.1_YHP1 (E val: 8.7845e-07)
<u>Rax</u>	MA0075.1_Prrx2 (E val: 3.8995e-06)
<u>ALX4</u>	MA0075.1_Prrx2 (E val: 1.8830e-06)

<u>Alx3</u>	MA0075.1_Prrx2 (E val: 8.5973e-07)
<u>Dlx5</u>	MA0075.1_Prrx2 (E val: 1.2097e-06)
<u>Prrx1</u>	MA0075.1_Prrx2 (E val: 1.7693e-06)
<u>NEMVEDRAFT v1g105595</u>	MA0075.1_Prrx2 (E val: 2.2012e-06)
<u>Lhx1</u>	MA0075.1_Prrx2 (E val: 5.0294e-06)
<u>LHX3</u>	MA0194.1_Lim1 (E val: 1.8346e-09)
<u>Dbx1</u>	MA0194.1_Lim1 (E val: 4.3593e-11)
<u>Dbx</u>	MA0194.1_Lim1 (E val: 2.3550e-11)

<u>ventx3.2</u>	MA0194.1_Lim1 (E val: 1.7841e-11)
<u>CBG00029</u>	MA0194.1_Lim1 (E val: 1.6173e-11)
<u>FGRRS 01100</u>	MA0226.1_hbn (E val: 2.2507e-11)
<u>TIx2</u>	MA0194.1_Lim1 (E val: 2.7621e-10)
<u>WOX11</u>	MA0240.1_repo (E val: 7.1158e-10)
<u>Q24782 9CNID</u>	MA0194.1_Lim1 (E val: 1.4038e-11)
<u>CG32105</u>	MA0236.1_otp (E val: 3.4164e-11)
<u>pal-1</u>	MA0448.1_H2.0 (E val: 2.2106e-10)

<u>hox12</u>	MA0174.1_CG42234 (E val: 1.3600e-10)
<u>HXD12 HETFR</u>	MA0206.1_abd-A (E val: 9.0750e-11)
<u>ftz</u>	MA0226.1_hbn (E val: 2.0192e-11)
<u>Hoxc6</u>	MA0194.1_Lim1 (E val: 1.9802e-11)
<u>Hoxc9</u>	MA0240.1_repo (E val: 7.4846e-10)
<u>H2.0</u>	MA0448.1_H2.0 (E val: 2.5989e-11)
<u>Q0N4F9 NEMVE</u>	MA0180.1_Vsx2 (E val: 1.1622e-12)
<u>SPU_026099</u>	MA0180.1_Vsx2 (E val: 8.9306e-13)

<u>vab-7</u>	MA0180.1_Vsx2 (E val: 1.7780e-12)
<u>ENSTNIG00000004116</u>	MA0180.1_Vsx2 (E val: 5.9242e-13)
<u>Smp_158000</u>	MA0180.1_Vsx2 (E val: 4.7229e-13)
<u>NEMVEDRAFT_v1g164989</u>	MA0180.1_Vsx2 (E val: 7.4326e-12)
<u>ARGFX</u>	MA0180.1_Vsx2 (E val: 1.2971e-10)
<u>repo</u>	MA0240.1_repo (E val: 2.8598e-10)
<u>ENSCING00000016045</u>	MA0180.1_Vsx2 (E val: 5.3273e-10)
<u>CNK00090</u>	MA0240.1_repo (E val: 2.3502e-11)

<u>CAD25284</u>	MA0194.1_Lim1 (E val: 1.5897e-11)
<u>O76842 CUPSA</u>	MA0194.1_Lim1 (E val: 1.6400e-11)
<u>LMX1A</u>	MA0172.1_CG11294 (E val: 1.7100e-11)
<u>HHEX</u>	MA0172.1_CG11294 (E val: 2.1773e-10)
<u>lim-4</u>	MA0181.1_Vsx1 (E val: 9.2564e-11)
<u>Sebox</u>	MA0194.1_Lim1 (E val: 2.5830e-10)
<u>Q24780 9CNID</u>	MA0194.1_Lim1 (E val: 7.3681e-10)
<u>mix11.S</u>	MA0194.1_Lim1 (E val: 6.0393e-10)

<u>phx1</u>	MA0194.1_Lim1 (E val: 1.0717e-09)
<u>C4B866 NEMVE</u>	MA0194.1_Lim1 (E val: 1.2649e-09)
<u>CNG03450</u>	MA0444.1_CG34031 (E val: 7.7102e-07)
<u>hbn</u>	MA0229.1_inv (E val: 1.1169e-09)
<u>CG5369</u>	MA0194.1_Lim1 (E val: 1.2872e-09)
<u>unc-4</u>	MA0178.1_CG32105 (E val: 1.8305e-08)
<u>bsh</u>	MA0229.1_inv (E val: 3.9607e-11)
<u>Uncx</u>	MA0172.1_CG11294 (E val: 3.7957e-09)

<u>Alx4</u>	MA0194.1_Lim1 (E val: 6.3149e-08)
<u>CG2808</u>	MA0188.1_Dr (E val: 1.4849e-08)
<u>CG11294</u>	MA0229.1_inv (E val: 6.6941e-10)
<u>LHX4</u>	MA0232.1_lbl (E val: 1.2360e-07)
<u>HGTX</u>	MA0232.1_lbl (E val: 6.2738e-09)
<u>HOXB2</u>	MA0232.1_lbl (E val: 1.5599e-08)
<u>NOTO</u>	MA0232.1_lbl (E val: 1.6063e-08)
<u>NKX6-2</u>	MA0232.1_lbl (E val: 1.8473e-08)

<u>HOXA2</u>	MA0232.1_lbl (E val: 8.6640e-09)
<u>PDX1</u>	MA0232.1_lbl (E val: 1.1612e-08)
<u>Ubx</u>	MA0232.1_lbl (E val: 1.5127e-08)
<u>Lhx2</u>	MA0232.1_lbl (E val: 9.1589e-09)
<u>Lhx9</u>	MA0232.1_lbl (E val: 1.1389e-08)
<u>EMX1</u>	MA0232.1_lbl (E val: 1.3018e-08)
<u>lab</u>	MA0232.1_lbl (E val: 1.0849e-08)
<u>CG18599</u>	MA0232.1_lbl (E val: 1.9400e-09)

<u>Meox2</u>	MA0232.1_lbl (E val: 7.1346e-09)
<u>ems</u>	MA0232.1_lbl (E val: 9.6821e-09)
<u>EVX1</u>	MA0232.1_lbl (E val: 1.2369e-08)
<u>EVX2</u>	MA0232.1_lbl (E val: 1.2336e-08)
<u>Lim3</u>	MA0232.1_lbl (E val: 2.1239e-08)
<u>Lhx4</u>	MA0232.1_lbl (E val: 2.0476e-08)
<u>HOXD1</u>	MA0232.1_lbl (E val: 2.0307e-08)
<u>Q9GP48 9TURB</u>	MA0232.1_lbl (E val: 3.8246e-08)

<u>Q70LF3 ARTSF</u>	MA0232.1_lbl (E val: 2.7533e-08)
<u>NEMVEDRAFT v1g205636</u>	MA0232.1_lbl (E val: 3.7288e-08)
<u>MNX1</u>	MA0232.1_lbl (E val: 2.6559e-08)
<u>DRGX</u>	MA0232.1_lbl (E val: 3.1653e-08)
<u>EN2</u>	MA0232.1_lbl (E val: 3.0403e-08)
<u>Prrx2</u>	MA0232.1_lbl (E val: 2.7448e-08)
<u>EN1</u>	MA0232.1_lbl (E val: 2.6907e-08)
<u>ALX3</u>	MA0232.1_lbl (E val: 2.1881e-08)

<u>SHOX</u>	MA0232.1_lbl (E val: 2.2701e-08)
<u>Awh</u>	MA0232.1_lbl (E val: 1.6501e-08)
<u>zfhx4</u>	MA0232.1_lbl (E val: 5.4071e-08)
<u>Lhx5</u>	MA0232.1_lbl (E val: 7.9458e-08)
<u>uncx</u>	MA0232.1_lbl (E val: 9.0879e-08)
<u>Lhx3</u>	MA0232.1_lbl (E val: 6.3907e-08)
<u>Hoxa1</u>	MA0232.1_lbl (E val: 3.8787e-08)
<u>LHX6</u>	MA0232.1_lbl (E val: 1.0164e-07)

<u>Lhx6</u>	MA0232.1_lbl (E val: 1.2291e-06)
<u>prd-b</u>	MA0232.1_lbl (E val: 7.3149e-07)
<u>Q4RRY4 TETNG</u>	MA0232.1_lbl (E val: 2.1430e-07)
<u>7 TTA RVLRA</u>	MA0232.1_lbl (E val: 5.5511e-08)
<u>HOXA1</u>	MA0232.1_lbl (E val: 1.4927e-07)
<u>ceh-23</u>	MA0232.1_lbl (E val: 1.3081e-07)
<u>56 ATT HRVQA</u>	MA0232.1_lbl (E val: 1.9416e-07)
<u>MIXL1</u>	MA0232.1_lbl (E val: 2.4876e-07)

<u>slou</u>	MA0232.1_lbl (E val: 1.4101e-07)
<u>En2</u>	MA0232.1_lbl (E val: 6.0426e-08)
<u>Hoxd3</u>	MA0232.1_lbl (E val: 1.0207e-07)
<u>GSX1</u>	MA0232.1_lbl (E val: 6.6879e-08)
<u>HOXB5</u>	MA0232.1_lbl (E val: 5.6550e-08)
<u>Scr</u>	MA0232.1_lbl (E val: 4.3130e-08)
<u>HOXB8</u>	MA0232.1_lbl (E val: 1.3096e-07)
<u>HOXD8</u>	MA0232.1_lbl (E val: 2.2035e-07)

<u>HOXB6</u>	MA0232.1_lbl (E val: 3.1744e-08)
<u>HOXA6</u>	MA0223.1_exex (E val: 8.5000e-08)
<u>HOXB1</u>	MA0223.1_exex (E val: 2.3787e-10)
<u>HOXA5</u>	MA0223.1_exex (E val: 3.9288e-10)
<u>Q0N4M8 NEMVE</u>	MA0223.1_exex (E val: 2.3856e-09)
<u>GSX2</u>	MA0232.1_lbl (E val: 8.5976e-09)
<u>abd-A</u>	MA0223.1_exex (E val: 1.9332e-08)
<u>pb</u>	MA0232.1_lbl (E val: 6.8619e-08)

<u>HOXB3</u>	MA0232.1_lbl (E val: 5.6179e-08)
<u>NEMVEDRAFT_v1g8907</u>	MA0232.1_lbl (E val: 1.4668e-07)
<u>Hoxa2</u>	MA0232.1_lbl (E val: 3.9527e-08)
<u>MEOX2</u>	MA0232.1_lbl (E val: 7.0922e-08)
<u>eve</u>	MA0241.1_ro (E val: 7.8255e-10)
<u>EMX2</u>	MA0241.1_ro (E val: 2.5200e-11)
<u>ro</u>	MA0241.1_ro (E val: 1.2763e-11)
<u>ap</u>	MA0209.1_ap (E val: 1.2763e-11)

<u>RAX</u>	MA0202.1_Rx (E val: 5.1507e-11)
<u>inv</u>	MA0229.1_inv (E val: 6.5503e-15)
<u>ind</u>	MA0228.1_ind (E val: 7.6496e-11)
<u>ISX</u>	MA0241.1_ro (E val: 8.0527e-11)
<u>LBX1</u>	MA0241.1_ro (E val: 4.2517e-10)
<u>pdm3</u>	MA0241.1_ro (E val: 1.8173e-10)
<u>lbl</u>	MA0241.1_ro (E val: 1.9839e-09)
<u>dve</u>	MA0241.1_ro (E val: 9.7944e-10)

<u>Q9BJW6_9CNID</u>	MA0241.1_ro (E val: 8.0265e-10)
<u>MEOX1</u>	MA0223.1_exex (E val: 5.9674e-09)
<u>exex</u>	MA0198.1_OdsH (E val: 1.1913e-08)
<u>60_ATA_KTVQV</u>	MA0221.1_eve (E val: 4.0308e-10)
<u>LHX9</u>	MA0232.1_lbl (E val: 2.4650e-07)
<u>POU6F1</u>	MA0232.1_lbl (E val: 1.9095e-07)
<u>Q86SD7_PODCA</u>	MA0232.1_lbl (E val: 2.5359e-07)
<u>CBG07641</u>	MA0232.1_lbl (E val: 1.8462e-07)

<u>ceh-62</u>	MA0232.1_lbl (E val: 2.4811e-07)
<u>btn</u>	MA0232.1_lbl (E val: 7.5444e-08)
<u>258 ATT RTVQQ</u>	MA0232.1_lbl (E val: 8.0329e-08)
<u>LMX1B</u>	MA0232.1_lbl (E val: 2.8185e-07)
<u>SNAPOd2T00006145001</u>	MA0232.1_lbl (E val: 2.6419e-06)
<u>227 TTT YRIAA</u>	MA0075.1_Prrx2 (E val: 6.0657e-06)
<u>CAD26261</u>	MA0178.1_CG32105 (E val: 2.6988e-08)
<u>Y749 MIMIV</u>	MA0346.1_NHP6B (E val: 3.8384e-06)

<u>NCU09556</u>	MA0379.1_SIG1 (E val: 2.9552e-06)
<u>ATHB-22</u>	MA0356.1_PHO2 (E val: 3.7090e-05)
<u>SNAPOd2T00003340001</u>	MA0232.1_lbl (E val: 6.4014e-06)
<u>CG4328</u>	MA0182.1_CG4328 (E val: 1.4526e-07)
<u>hbx10</u>	MA0182.1_CG4328 (E val: 1.1851e-05)
<u>Q8I9J5_9BILA</u>	MA0448.1_H2.0 (E val: 3.6600e-05)
<u>Q7M3U4_ACRFO</u>	MA0075.1_Prrx2 (E val: 1.9488e-05)
<u>CBG04010</u>	MA0206.1_abd-A (E val: 7.7487e-06)

<u>10 TGG KSVMO</u>	MA0203.1_Scr (E val: 4.2788e-06)
<u>237 TAG YAVNA</u>	MA0238.1_pb (E val: 2.3898e-06)
<u>2 TTT RTVSA</u>	MA0203.1_Scr (E val: 1.5232e-05)
<u>4 TTC VRVSA</u>	MA0203.1_Scr (E val: 1.0721e-04)
<u>17 TAT TRVSA</u>	MA0203.1_Scr (E val: 3.5384e-05)
<u>HDG11</u>	MA0151.1_ARID3A (E val: 3.6185e-06)
<u>HDG7</u>	MA0170.1_C15 (E val: 6.0448e-09)
<u>HDG1</u>	MA0226.1_hbn (E val: 3.0337e-09)

<u>ANL2</u>	MA0206.1_abd-A (E val: 4.3694e-06)
<u>egl-5</u>	MA0248.1_tup (E val: 3.1483e-08)
<u>14 TCG KGTQM</u>	MA0248.1_tup (E val: 4.2624e-08)
<u>NKX6-3</u>	MA0215.1_btn (E val: 3.0070e-09)
<u>tup</u>	MA0248.1_tup (E val: 2.1446e-11)
<u>C15</u>	MA0170.1_C15 (E val: 1.2763e-11)
<u>232 TCG IKNQM</u>	MA0248.1_tup (E val: 3.8435e-09)
<u>ATML1</u>	MA0186.1_Dfd (E val: 8.4622e-05)

<u>226 TTT KMISA</u>	MA0075.1_Prrx2 (E val: 2.0502e-04)
<u>Isl1</u>	MA0132.1_Pdx1 (E val: 2.3124e-06)
<u>236 TAG KSTQM</u>	MA0248.1_tup (E val: 4.8824e-06)
<u>NANOG</u>	MA0214.1_bsh (E val: 1.0306e-04)
<u>Dfd</u>	MA0232.1_lbl (E val: 1.7692e-06)
<u>HB-5</u>	MA0110.1_ATHB-5 (E val: 2.0816e-07)
<u>ATHB-21</u>	MA0110.1_ATHB-5 (E val: 6.3559e-07)
<u>ATHB-53</u>	MA0110.1_ATHB-5 (E val: 4.4373e-10)

<u>HAT5</u>	MA0008.1_HAT5 (E val: 2.8499e-08)
<u>ATHB-13</u>	MA0008.1_HAT5 (E val: 4.2208e-08)
<u>ATHB-16</u>	MA0008.1_HAT5 (E val: 1.8398e-09)
<u>ATHB-20</u>	MA0008.1_HAT5 (E val: 2.7583e-08)
<u>ATHB-5</u>	MA0008.1_HAT5 (E val: 1.9168e-07)
<u>NCU03070</u>	MA0216.1_cad (E val: 6.3417e-05)
<u>ATHB-51</u>	MA0008.1_HAT5 (E val: 1.7745e-05)
<u>PK20392.1</u>	MA0008.1_HAT5 (E val: 9.0427e-05)

<u>ATHB-6</u>	MA0110.1_ATHB-5 (E val: 6.6140e-05)
<u>GSC2</u>	MA0094.1_Ubx (E val: 2.0696e-03)
<u>Isl2</u>	MA0094.1_Ubx (E val: 3.3589e-03)
<u>Obox3</u>	MA0094.1_Ubx (E val: 1.7438e-03)
<u>POU5F1B</u>	MA0075.1_Prrx2 (E val: 3.0457e-03)
<u>En1</u>	MA0075.1_Prrx2 (E val: 2.1945e-03)
<u>Dlx4</u>	MA0075.1_Prrx2 (E val: 2.1990e-03)
<u>Pdx1</u>	MA0094.1_Ubx (E val: 2.5080e-03)

<u>E5</u>	MA0075.1_Prrx2 (E val: 1.9975e-03)
<u>Isx</u>	MA0094.1_Ubx (E val: 2.0861e-03)
<u>Hoxd1</u>	MA0075.1_Prrx2 (E val: 2.9738e-03)
<u>Q6WL90 TRICY</u>	MA0075.1_Prrx2 (E val: 1.9260e-03)
<u>Otp</u>	MA0075.1_Prrx2 (E val: 2.0878e-03)
<u>Rhox6</u>	MA0094.1_Ubx (E val: 2.0443e-03)
<u>Evx2</u>	MA0075.1_Prrx2 (E val: 2.3487e-03)
<u>Hoxb6</u>	MA0094.1_Ubx (E val: 2.5913e-03)

<u>Dbx2</u>	MA0094.1_Ubx (E val: 4.4778e-03)
<u>Hoxd8</u>	MA0094.1_Ubx (E val: 4.7931e-03)
<u>Obox5</u>	MA0094.1_Ubx (E val: 2.4391e-03)
<u>Barx2</u>	MA0094.1_Ubx (E val: 3.1310e-03)
<u>Hoxa5</u>	MA0094.1_Ubx (E val: 3.3308e-03)
<u>barx1</u>	MA0075.1_Prrx2 (E val: 3.1848e-03)
<u>Nkx6-1</u>	MA0075.1_Prrx2 (E val: 3.4714e-03)
<u>Hoxb3</u>	MA0075.1_Prrx2 (E val: 3.1781e-03)

<u>Dlx3</u>	MA0075.1_Prrx2 (E val: 3.2354e-03)
<u>Gsx2</u>	MA0075.1_Prrx2 (E val: 3.0869e-03)
<u>Evx1</u>	MA0075.1_Prrx2 (E val: 3.1475e-03)
<u>Hoxb5</u>	MA0094.1_Ubx (E val: 3.7479e-03)
<u>Nkx6-3</u>	MA0075.1_Prrx2 (E val: 3.8618e-03)
<u>Emx2</u>	MA0075.1_Prrx2 (E val: 3.2531e-03)
<u>Nkx1-2</u>	MA0075.1_Prrx2 (E val: 3.3875e-03)
<u>Bsx</u>	MA0075.1_Prrx2 (E val: 3.4670e-03)

<u>Lbx2</u>	MA0094.1_Ubx (E val: 5.3979e-03)
<u>NEMVEDRAFT_v1g81309</u>	MA0075.1_Prrx2 (E val: 3.3645e-03)
<u>CBG20882</u>	MA0094.1_Ubx (E val: 4.1346e-03)
<u>Hoxa6</u>	MA0094.1_Ubx (E val: 3.7532e-03)
<u>ceh-5</u>	MA0075.1_Prrx2 (E val: 3.4502e-03)
<u>Nobox</u>	MA0094.1_Ubx (E val: 4.8980e-03)
<u>Nanog</u>	MA0075.1_Prrx2 (E val: 4.5812e-03)
<u>Meox1</u>	MA0075.1_Prrx2 (E val: 4.5297e-03)

<u>YOX1</u>	MA0094.1_Ubx (E val: 1.1609e-02)
<u>NEMVEDRAFT v1g136480</u>	MA0094.1_Ubx (E val: 7.7218e-03)
<u>21 TAC ERVSV</u>	MA0212.1_bcd (E val: 2.7894e-03)
<u>20 TAC QRVSA</u>	MA0203.1_Scr (E val: 1.4870e-04)
<u>216 TGC NRVMM</u>	MA0212.1_bcd (E val: 6.8226e-04)
<u>235 TAT RAVSV</u>	MA0186.1_Dfd (E val: 9.5367e-04)
<u>229 TTC GRISA</u>	MA0356.1_PHO2 (E val: 1.8486e-03)
<u>Hoxb8</u>	MA0094.1_Ubx (E val: 6.4583e-03)

<u>Hoxc8</u>	MA0094.1_Ubx (E val: 8.9132e-03)
<u>CBG00023</u>	MA0094.1_Ubx (E val: 5.4028e-03)
<u>Hmx2</u>	MA0426.1_YHP1 (E val: 3.6198e-04)
<u>Hmx1</u>	MA0426.1_YHP1 (E val: 3.2593e-04)
<u>SIX5</u>	MA0335.1_MET4 (E val: 2.1780e-03)
<u>schlank</u>	MA0193.1_Lag1 (E val: 2.2828e-10)
<u>yox1</u>	MA0075.1_Prrx2 (E val: 7.7965e-03)
<u>Noto</u>	MA0075.1_Prrx2 (E val: 6.3461e-03)

<u>UNCX</u>	MA0075.1_Prrx2 (E val: 1.8805e-03)
<u>pha-2</u>	MA0426.1_YHP1 (E val: 4.0154e-02)
<u>CG15696</u>	MA0426.1_YHP1 (E val: 2.0724e-02)
<u>CG34031</u>	MA0426.1_YHP1 (E val: 2.0324e-02)
<u>NEMVEDRAFT v1g80394</u>	MA0426.1_YHP1 (E val: 1.3574e-02)
<u>NOBOX</u>	MA0426.1_YHP1 (E val: 3.2827e-02)
<u>IRX5</u>	MA0328.1_MATALPHA2 (E val: 3.9553e-05)
<u>MTAL2 KLUDE</u>	MA0328.1_MATALPHA2 (E val: 6.6896e-12)

<u>HMRA2</u>	MA0328.1_MATALPHA2 (E val: 1.7878e-12)
<u>Rhox8</u>	MA0392.1_STB5 (E val: 2.3740e-05)
<u>mirr</u>	MA0233.1_mirr (E val: 1.6159e-06)
<u>ara</u>	MA0210.1_ara (E val: 1.6159e-06)
<u>caup</u>	MA0217.1_caup (E val: 1.6159e-06)
<u>CG11617</u>	MA0173.1_CG11617 (E val: 1.4526e-07)
<u>51 CAG MSHWR</u>	MA0217.1_caup (E val: 1.9443e-06)
<u>49 CAT LSQSR</u>	MA0173.1_CG11617 (E val: 1.9340e-06)

<u>253 CGT VANSR</u>	MA0217.1_caup (E val: 4.9392e-06)
<u>55 CAA LHYVR</u>	MA0217.1_caup (E val: 8.1367e-06)
<u>HMLALPHA2</u>	MA0210.1_ara (E val: 1.2090e-02)
<u>MATALPHA2</u>	MA0210.1_ara (E val: 2.0207e-02)
<u>CBG08197</u>	MA0210.1_ara (E val: 1.5637e-02)
<u>Irx4</u>	MA0210.1_ara (E val: 8.5641e-03)
<u>Irx6</u>	MA0210.1_ara (E val: 5.7942e-03)
<u>Irx2</u>	MA0210.1_ara (E val: 1.6628e-02)

<u>Irx5</u>	MA0210.1_ara (E val: 1.3053e-02)
<u>AGAP009986</u>	MA0210.1_ara (E val: 2.8411e-02)
<u>Rhox11</u>	MA0210.1_ara (E val: 2.0801e-02)
<u>MTAL2 P1CAN</u>	MA0318.1_HMRA2 (E val: 1.0682e-01)
<u>IRX1</u>	MA0328.1_MATALPHA2 (E val: 9.6004e-06)
<u>IRX3</u>	MA0328.1_MATALPHA2 (E val: 8.9355e-05)
<u>FGRRES 07914</u>	MA0328.1_MATALPHA2 (E val: 2.1882e-04)
<u>SNAPOd2T00005194001</u>	MA0328.1_MATALPHA2 (E val: 1.7656e-04)

<u>ATHB-4</u>	MA0254.1_vv1 (E val: 8.1236e-04)
<u>hbx7</u>	MA0322.1_INO4 (E val: 2.4836e-03)
<u>IRX2</u>	MA0207.1_achi (E val: 6.9992e-04)
<u>Irx3</u>	MA0143.1_Sox2 (E val: 2.4858e-09)
<u>vis</u>	MA0252.1_vis (E val: 8.8622e-07)
<u>achi</u>	MA0252.1_vis (E val: 8.7480e-07)
<u>Meis2</u>	MA0252.1_vis (E val: 6.4391e-06)
<u>MEIS1</u>	MA0252.1_vis (E val: 6.6419e-06)

<u>Meis3</u>	MA0227.1_hth (E val: 6.6077e-06)
<u>Meis1</u>	MA0252.1_vis (E val: 4.1357e-05)
<u>ANHX</u>	MA0408.1_TOS8 (E val: 5.5807e-06)
<u>FGRRES 17152</u>	MA0328.1_MATALPHA2 (E val: 7.6247e-08)
<u>FGRRES 17150</u>	MA0252.1_vis (E val: 1.0847e-04)
<u>Tgif1</u>	MA0227.1_hth (E val: 6.8698e-05)
<u>Tgif2</u>	MA0227.1_hth (E val: 6.9961e-05)
<u>CUP9</u>	MA0288.1_CUP9 (E val: 3.7091e-11)

<u>hbx4</u>	MA0227.1_hth (E val: 1.0419e-04)
<u>CAGL0H02959g</u>	MA0227.1_hth (E val: 1.1990e-04)
<u>ANIA_00885</u>	MA0207.1_achi (E val: 1.9445e-04)
<u>GRMZM2G087741</u>	MA0227.1_hth (E val: 1.3141e-06)
<u>GRMZM2G135447</u>	MA0227.1_hth (E val: 5.9773e-09)
<u>KNAT7</u>	MA0018.2_CREB1 (E val: 2.6336e-07)
<u>CBG24578</u>	MA0207.1_achi (E val: 1.4139e-07)
<u>TGIF2</u>	MA0227.1_hth (E val: 3.1704e-07)

<u>TGIF1</u>	MA0207.1_achi (E val: 1.8587e-07)
<u>MEIS3</u>	MA0227.1_hth (E val: 1.3353e-06)
<u>MEIS2</u>	MA0207.1_achi (E val: 3.0941e-07)
<u>PKNOX1</u>	MA0227.1_hth (E val: 5.8002e-07)
<u>PKNOX2</u>	MA0227.1_hth (E val: 5.7190e-07)
<u>TGIF2LY</u>	MA0227.1_hth (E val: 3.0965e-07)
<u>TGIF2LX</u>	MA0227.1_hth (E val: 2.5463e-07)
<u>Pknox2</u>	MA0207.1_achi (E val: 1.0777e-07)

<u>Q5EVH4_OIKDI</u>	MA0227.1_hth (E val: 5.3087e-09)
<u>HOS66</u>	MA0089.1_NFE2L1_MafG (E val: 2.0629e-02)
<u>KNAT4</u>	MA0089.1_NFE2L1_MafG (E val: 1.2367e-02)
<u>Q0ZPQ8_NEMVE</u>	MA0207.1_achi (E val: 1.1053e-02)
<u>KNAT3</u>	MA0207.1_achi (E val: 1.4978e-02)
<u>PK25034.1</u>	MA0207.1_achi (E val: 1.4895e-02)
<u>KNAT6</u>	MA0207.1_achi (E val: 1.6623e-02)
<u>unc-62</u>	MA0207.1_achi (E val: 1.5344e-02)

<u>Pknox1</u>	MA0227.1_hth (E val: 7.0473e-03)
<u>FGRRES 16926 M</u>	MA0207.1_achi (E val: 1.4605e-02)
<u>FGRRES 17238</u>	MA0207.1_achi (E val: 2.7682e-02)
<u>CADAORAG00002315</u>	MA0227.1_hth (E val: 2.1428e-02)
<u>ATEG 00670</u>	MA0227.1_hth (E val: 3.4042e-02)
<u>TVAG 451170</u>	MA0246.1_so (E val: 1.2975e-03)
<u>TVAG 493070</u>	MA0129.1_TGA1A (E val: 2.3900e-03)
<u>TOS8</u>	MA0018.2_CREB1 (E val: 8.6372e-07)

<u>CBG10835</u>	MA0199.1_Optix (E val: 1.5682e-02)
<u>Phyra73700</u>	MA0199.1_Optix (E val: 1.5829e-02)
<u>si_dkey-43p13.5</u>	MA0210.1_ara (E val: 7.5942e-02)
<u>PK24181.1</u>	MA0227.1_hth (E val: 4.3791e-02)
<u>Six4</u>	MA0204.1_Six4 (E val: 3.2262e-02)
<u>Six2</u>	MA0246.1_so (E val: 1.2907e-02)
<u>Six1</u>	MA0246.1_so (E val: 2.2537e-02)
<u>so</u>	MA0246.1_so (E val: 7.0329e-09)

<u>SIX2</u>	MA0246.1_so (E val: 2.7271e-07)
<u>SIX4</u>	MA0246.1_so (E val: 1.5465e-07)
<u>SIX1</u>	MA0246.1_so (E val: 9.5689e-05)
<u>ceh-34</u>	MA0246.1_so (E val: 3.0430e-02)
<u>XP_003689450.1</u>	MA0036.1_GATA2 (E val: 5.8039e-02)
<u>Q6Y859 MARMO</u>	MA0199.1_Optix (E val: 5.3920e-03)
<u>PRH PETCR</u>	MA0345.1_NHP6A (E val: 4.6352e-09)
<u>hbx2</u>	MA0379.1_SIG1 (E val: 6.3617e-06)

<u>PDF2</u>	MA0277.1_AZF1 (E val: 1.1933e-03)
<u>KLLA0 D10043g</u>	MA0379.1_SIG1 (E val: 8.4022e-03)
<u>NEMVEDRAFT v1g81436</u>	MA0216.1_cad (E val: 9.7454e-02)
<u>ANIA 01217</u>	MA0216.1_cad (E val: 6.6209e-02)
<u>ZHX1</u>	MA0129.1_TGA1A (E val: 1.0082e-01)
<u>ceh-74</u>	MA0436.1_YPR022C (E val: 6.6468e-03)
<u>CAD25866</u>	MA0227.1_hth (E val: 2.3133e-03)
<u>NKX2-1</u>	MA0211.1_bap (E val: 7.5503e-05)

<u>ATHB-12</u>	MA0089.1_NFE2L1_MafG (E val: 2.0267e-01)
<u>RLT1</u>	MA0127.1_PEND (E val: 3.5933e-02)
<u>PK25011.1</u>	MA0089.1_NFE2L1_MafG (E val: 1.5545e-01)
<u>CIMG_06089</u>	MA0318.1_HMRA2 (E val: 3.1007e-01)

Motif Similarity Matches

54_CAA_LMYQR

forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0217.1_caup	8.9496e-06	NCTTGTTARN ---TGTTA--	

42_CGA_TFYAA

forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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MA0186.1_Dfd	2.4354e-03	NCTCGTTAN --TCATTAA	
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lbe

	<i>forward</i>	<i>reverse compliment</i>
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<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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MA0186.1_Dfd	4.2043e-04	NNTCGTTA- --TCATTAA	
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LBX2

	<i>forward</i>	<i>reverse compliment</i>
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<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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MA0186.1_Dfd	5.8346e-08	CTCRTTAA -TCATTAA	
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39_CTA_IFNAK

	<i>forward</i>	<i>reverse compliment</i>
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<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0231.1_lbe	8.3745e-06	NCTMGTTANN --TNRTTA--	

HMBOX1

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0231.1_lbe	4.3822e-07	NTAACTAGN -TAAYNA--	

38_CTA_LHYAK

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0231.1_lbe	7.0847e-07	NCTAGTTARN --TNRTTA--	

220_CTG_LTYQK

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>

MA0231.1_lbe 4.1962e-05

NNTAACYAGN
--TAAAYNA--

260_ATA_KAYNA*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0231.1_lbe 5.8661e-04

NTNGTTARNN
-TNRTTA---

223_CTC_RTFGK*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0231.1_lbe 1.4477e-06

NNTAACTAAN
--TAAAYNA--

252_CTC_LRYSK*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0231.1_lbe 1.8927e-06

NTAGTTANNN
-TNRTTA---

303_CTC_VMNRK*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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MA0099.2_AP1 6.0862e-05

NTGAGTTANN
-TGAGTCA--

53_CAC_ERVSR*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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MA0173.1_CG11617 2.3925e-06

NCGTGTTAA
--ATGTWAA

46_CCC_RLDSK*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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MA0421.1_YDR026C 5.5305e-06

-NCGGGTTAR
NCCGGGTAAA

44_CCT_RGDSK

		<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>		<i>Motif</i>
MA0452.1_Kr	4.6188e-05	NTAACCCG----- -TAACCCYTTNN		

218_CTG_KQNQK

		<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>		<i>Motif</i>
MA0231.1_lbe	1.0395e-05	NNTRGTTAAN --TNRTTA--		

43_CCT_MTNGK

		<i>forward</i>	<i>reverse complement</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>		<i>Motif</i>

MA0231.1_lbe 9.6156e-04

NTGGTTAANN
-TNRTTA---

221_CTG_RLYQK*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0231.1_lbe

4.9698e-05

NNTRGTTAAN
--TNRTTA--

210_CCG_RSNQK*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0231.1_lbe

2.4988e-04

NTGGTTAANN
-TNRTTA---

48_CCA_EHNAK*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0231.1_lbe 1.4619e-05

NNTRGTTANN
--TNRTTA--

256_CCA_RLYQK*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0231.1_lbe 8.6188e-06

NNTRGTTANN
--TNRTTA--

BSX*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0217.1_caup 4.8362e-03

NNCGTTAN
--TGTTA--

PRRX2*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0186.1_Dfd 2.6340e-03

NNCRTNAN
-TCATTAA

40_CGG_STRER*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0248.1_tup	8.8280e-04	YCCGTTAANN -CMATTAW--	

255_CCT_RADGK*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0217.1_caup	5.1581e-03	NNNGGTTANN ---TGTTA--	

ceh-57*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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MA0217.1_caup 6.2734e-03

NNNNNTWAN
---TGTTA-

Hnf1b*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0217.1_caup 4.2044e-03

NNNGTNNN
--TGTTA-

Hnf1a*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0217.1_caup 2.6865e-03

NNNGTTAN
--TGTTA-

Hmbox1*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0231.1_lbe 9.7179e-02

NNNACNNN
-TAA YNA-

271_AAC_KLQRF*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0127.1_PEND	4.1253e-03	NCGTYTTANN ANTTCTTATK	

203_GTC_VQKRF*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0127.1_PEND	3.2871e-04	-YTAAGACGN MATAAGAANT	

36_GAC_ATRRF*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0127.1_PEND	5.6761e-04	-NTAAGACGN MATAAGAANT	

225_AAC_SLQRF*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0393.1_STE12	2.3663e-03	NNGTYTTARN -YGTTC--	

34_GAT_RTMRY*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0211.1_bap	1.1833e-03	NNYTAAGACN --TTAAGTG-	

272_AAC_VAQRC*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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MA0393.1_STE12 3.5152e-04

NCGTTTTANN
-YGTTTCA--

ceh-90*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0393.1_STE12 1.3427e-03

NGTTTTANN
YGTTTCA--

250_GAT_AGKTF*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0127.1_PEND 1.6496e-02

NNYTAAGANN-
-MATAAGAANT

26_GGT_ALKNM*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0211.1_bap 8.8493e-04

NTTAAGGCGN
-TTAAGTG--

217_GGG_KSKEG*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0211.1_bap

4.4540e-05

NNYTAAGGGN
--TTAAGTG-

247_GCG_RTDRS*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0211.1_bap

1.2248e-03

NKKCTTARNN
-CACTTAA--

37_GAA_RFQKF*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0127.1_PEND 4.5636e-06

NTTAAGAASN
MATAAGAANT

Q0ZPQ4_NEMVE*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0127.1_PEND	1.6660e-08	-TTAAGAAG- MATAAGAANT	

268_AAT_KLQAF*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0211.1_bap	1.1050e-05	NTWCTTAANN -CACTTAA--	

75_AAC_SISRF*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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MA0211.1_bap 8.0890e-04

NNTCTTAANN
-CACTTAA--

308_GCG_RLDRF*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0211.1_bap 8.1581e-04

NNTCTTAANN
-CACTTAA--

270_AAG_RAQWF*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0053.1_MNB1A 2.4849e-02

CCTYTTNNNN
NCTTT-----

76_AAA_RAQWF*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0211.1_bap 8.9918e-04

CCTYTTAANN
-CACTTAA--

243_GGT_ATKSM*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0124.1_NKX3-1	6.9614e-06	NTMCTTARNN ATACTTA---	

64_AGA_AFRAH*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0211.1_bap	5.1182e-06	NNTMCTTAAN --CACTTAA-	

73_AAT_KLTAF*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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MA0211.1_bap 8.0708e-07

NTACTTARNN
-CACTTAA--

208_CTC_HFNRK*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0211.1_bap

1.6084e-05

NCKASTTAAN
--CACTTAA-

310_GTC_YRRGA*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0124.1_NKX3-1 1.3755e-06

NNYTAAGTAN
---TAAGTAT

242_GTC_LQRGA*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0124.1_NKX3-1 1.3807e-06

NNNTAAGTAN
---TAAGTAT

241_GTT_GLRAF*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0124.1_NKX3-1 1.5270e-06

NNNTAAGTAN
---TAAGTAT

205_GAA_TQRQW*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0124.1_NKX3-1 1.8120e-06

NNNTAAGTAN
---TAAGTAT

263_AGA_VRFAA*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0124.1_NKX3-1 2.0316e-06

NNTACTTANN
-ATACTTA--

Q70HR3_PLEPI*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0124.1_NKX3-1 1.7532e-06

NTAAGTANNN
-TAAGTAT--

249_GCA_QLKQS*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0124.1_NKX3-1 7.5248e-04

NNNNAAGTAN
---TAAGTAT

ceh-22*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0211.1_bap 4.4240e-08

NNNCACTTNA
---CACTTAA**vnd***forward**reverse compliment**Name**E value**Alignment**Motif*

MA0253.1_vnd

1.1102e-16

YACTTGARA
YACTTGARA**24_GTG_HLIQY***forward**reverse compliment**Name**E value**Alignment**Motif*

MA0211.1_bap

1.9677e-06

NNNTAAGTGN
--TTAAGTG-**bap***forward**reverse compliment**Name**E value**Alignment**Motif*

MA0211.1_bap

2.1113e-06

NNCACTTANN
--CACTTAA-

ISL1

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0211.1_bap	7.7296e-07	SCACTTAN -CACTTAA	

ISL2

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0211.1_bap	6.2608e-07	NCACTTAN -CACTTAA	

HMX1

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0063.1_Nkx2-5	2.2710e-06	NCAMTTANN -CAMTTAW-	

HMX2

	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0211.1_bap	1.1516e-08	NCACTTRNC -CACTTAA-	

NKX3-2

	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0211.1_bap	2.0976e-06	NCCACTTANN --CACTTAA-	

NKX3-1

	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>

MA0211.1_bap 2.0256e-06

NNTAAGTGGN
-TTAAGTG--

Nkx2-6*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0211.1_bap

7.4956e-04

NNNCACTTNN
---CACTTAA

Nkx3-1*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0211.1_bap

8.3180e-04

NNNCACTTNN
---CACTTAA

Nkx2-9*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0211.1_bap 1.9645e-03

NNRAGTRNNN
TTAAGTG---

Nkx2-1*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0211.1_bap 9.7504e-04

NYNCTYNN
-CACTTAA

Nkx2-2*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0211.1_bap 2.2528e-03

NYNCTYNNN
-CACTTAA-

Nkx3-2*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0211.1_bap 6.6546e-04

NNYACTTNN
--CACTTAA

scro*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0211.1_bap

1.4217e-03

NCACTYNNN
-CACTTAA-

Nkx2-4*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0211.1_bap

2.2018e-03

NNRAGNRNNN
TTAAGTG---

NEMVEDRAFT_v1g197288*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0211.1_bap 2.4841e-03

NNNYACTTNN
---CACTTAA

ceh-24*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0211.1_bap

5.8321e-02

NNYNCTYNN
--CACTTAA

ENSCING00000007395*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0211.1_bap

3.0174e-02

NWNNNNNN
CACTTAA-

Hoxb9*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0165.1_Abd-B 1.0286e-03

NNNNRTWAAN
--TMATAAA--

CBG23031*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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MA0174.1_CG42234 8.4823e-04

NNNNATWAAN
--TMATWAA--

Hoxc11*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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MA0165.1_Abd-B 2.3036e-03

NNNNRTWAAN
--TMATAAA--

Hoxa9*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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MA0307.1_GLN3 6.1601e-03

NNNNNNNN
-TTATC--

Hoxd10*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0307.1_GLN3 4.1907e-03

NNNNNNNN
-TTATC--

Hoxd11*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0307.1_GLN3 1.4126e-02

NNNNNNNN
-TTATC--

Hoxa10*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0307.1_GLN3 8.7847e-03

NNNNNTNNN
---GATAA-

Cdx2*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0307.1_GLN3 8.2090e-03

NWWATNRNN
-TTATC---

Cdx1*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0307.1_GLN3 7.8786e-03

NNWATNRNN
-TTATC---

Hoxc10*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0165.1_Abd-B 2.4823e-08

NTTTAYGAC
--TTATKA-

HOXB9

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0165.1_Abd-B	2.2251e-06	GTCGTAAAAN -TMATAAA--	

Abd-B

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0165.1_Abd-B	1.4554e-06	NGTCGTAAAWN --TMATAAA--	

HOXA10

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>

MA0165.1_Abd-B 7.2371e-06

NTTTTACGACN
--TTTATKA--

HOXA11*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0165.1_Abd-B 2.0449e-05

NGTCGTAAAAAN
--TMATAAA--

Hoxa11*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0165.1_Abd-B 6.8791e-06

NNTCGTAAANNN
--TMATAAA---

HOXD11*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0153.1_HNF1B 2.3770e-05

NRTC GTAAANNNTWAN
----GTTAAWYATTAA

HOXC11*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0165.1_Abd-B 6.4582e-06

NNTTTACGAYN
--TTTATKA--

HOXD12*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0165.1_Abd-B 1.5126e-05

NRTC GTAAAN
--TMATAAA--

HOXA9*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0165.1_Abd-B 4.9453e-07

NNNTTTAYGAYN
---TTTATKA--

CDX2

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0165.1_Abd-B	1.8242e-04	NRTYRTAANN --TMATAAA--	

HOXC10

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0216.1_cad	2.9939e-09	NNTTTATKRCN --TTTATTR--	

HOXC9

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0216.1_cad	1.5245e-08	NGCMATAAAN --YAATAAA--	

HOXC12

	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0216.1_cad	4.7854e-09	NGTAATAAAAN --YAATAAA--	

cad

	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0216.1_cad	2.2162e-08	NNGCMATAAAAN ---YAATAAA--	

HOXD9

	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>

MA0216.1_cad 6.3975e-10

GCAATAAAAN
-YAATAAA--

HOXD10*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0216.1_cad 5.7397e-10

GYMATAAAAN
-YAATAAA--

CDX1*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0216.1_cad 1.0263e-07

NTTTTATGGCN
--TTTATTR--

Hoxd9*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0165.1_Abd-B 4.1215e-07

NCCATWAAA
-TMATAAA-

Cdx4

		<i>forward</i>	<i>reverse compliment</i>
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0216.1_cad	4.8203e-07	NNCNATAAATCA --YAATAAA---	

Hoxc12

		<i>forward</i>	<i>reverse compliment</i>
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0151.1_ARID3A	3.9486e-02	NNTWAYNNNN -TTTAAT---	

Hoxd12_CONSTRUCT

		<i>forward</i>	<i>reverse compliment</i>
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>

MA0151.1_ARID3A 4.2453e-02

NNTNAYNNNN
-TTTAAT---

264_ACT_KVYHV*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0297.1_FKH2 6.6792e-04

NNGTTTANNN
-TGTTTAC--

267_ACA_RVSHT*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0297.1_FKH2 1.1765e-06

NTGTTTAANN
-TGTTTAC--

B-H2*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0168.1_B-H1 3.6424e-04

NNCGTTTANN
--CAATTAA--

B-H1*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0168.1_B-H1 3.8028e-04

NNCGTTTANN
--CAATTAA--

BARHL1*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0168.1_B-H1 5.0670e-05

NCGTTTAN
-CAATTAA

Barhl1*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0168.1_B-H1 2.9661e-04

NNCRTTTANN
--CAATTAA--

HAT3.1

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0218.1_ct	8.9984e-04	NTRMACCNNN TTRAAC----	

MTR_2g038000

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0132.1_Pdx1	2.8654e-02	NNNNNAGNNN -AATTAG---	

59_ATC_TRMAF

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>

MA0434.1_YPR013C 4.2834e-03

-GATTTANNNN
NGATYTACN--

Q9C1N5_COPSC*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0037.1_GATA3 5.0444e-03

NNCAATCNN
--YTATCN-

Q1WMN0_COPDI*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0037.1_GATA3 6.7599e-03

NNCAATCNN
--YTATCN-

UM00578*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0190.1_Gsc 1.1501e-02

NNGATNNNN
-GGATTA--

AAEL012091*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0212.1_bcd 1.3723e-02

NNGATNNNN
-GGATTA--

Hdx*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0212.1_bcd 2.0846e-02

NNATNNN
GGATTA-

dharm*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0234.1_oc 4.8065e-04

NNNATCC
-TAATCC

NEMVEDRAFT_v1g113057*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0212.1_bcd	2.6743e-08	NNGGATTARN --GGATTA--	

15_TCC_RMIKS*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0212.1_bcd	2.6557e-08	NGGATTARNN -GGATTA---	

DPRX*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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MA0190.1_Gsc 2.8082e-08

NGGATTATCN
-GGATTA---

RHOXF1*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0234.1_oc

4.4835e-08

GGATNATCN
GGATTA---

Q8VHG7_MOUSE*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0201.1_Ptx1

2.4983e-10

NGGATTAW
-GGATTAA

GSC*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0234.1_oc 3.9560e-09

NTAATCCN
-TAATCC-

ceh-53*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0190.1_Gsc 4.6874e-09

NRGATTAN
-GGATTA-

gsc*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0190.1_Gsc 5.2033e-09

NGGATTAN
-GGATTA-

AGAP006642*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0190.1_Gsc 4.0356e-09

GGATTANN
GGATTA--

bcd*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0190.1_Gsc 9.0637e-10

GGATTAN
GGATTA-

DMBX1*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0234.1_oc 8.8704e-09

NGGATTAN
-GGATTA-

Obox6*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0190.1_Gsc 2.0177e-08

NNRGATTAN
--GGATTA-

Dobox5_CONSTRUCT*forward* *reverse compliment**Name* *E value* *Alignment* *Motif*

MA0190.1_Gsc 2.6002e-08

NTAATCYNN
-TAATCC--

Obox1*forward* *reverse compliment**Name* *E value* *Alignment* *Motif*

MA0190.1_Gsc 3.5326e-08

NNNGGATTAN
---GGATTA-

13_TCT_ATVKA*forward* *reverse compliment**Name* *E value* *Alignment* *Motif*

MA0234.1_oc 3.1024e-08

NGGATTARNN
-GGATTA---

Gsc*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0234.1_oc

6.2323e-08

TAATCCNNTWA
TAATCC-----

Dmbx1*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0234.1_oc

4.4797e-05

NNRGATTAN
--GGATTA-

Q1WMN9_COPDI*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0212.1_bcd 1.7040e-02

NNGATTNNNN
-GGATTA---

SNOG_11642*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0235.1_onecut 5.9581e-06

NNTAATCAWNN
--NAATCAA--

ENSTNIG00000017092*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0235.1_onecut 1.9058e-05

NTAATCAN
-NAATCAA

HNF1B*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0153.1_HNF1B 5.5378e-13

RTTAATNATTAAC
GTAAWYATTAA-

HNF1A*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0153.1_HNF1B 6.3727e-14

NRTTAATNATTAACN
--TTAATRWTTAAC-

ATHB-15*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0223.1_exex 5.4407e-09

AATAATTACT
--TAATTAN-

ATHB-9*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0186.1_Dfd 1.5656e-05

NTAATCATTAYNWTN
----TCATTAA----

Duxbl1*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0235.1_onecut 4.4831e-04

NNYAATCAN
--NAATCAA

HDX*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0235.1_onecut 1.7708e-04

NNNNNNN-
-NAATCAA

Cphx1*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0235.1_onecut 1.1410e-03

NNNNNNATCW-
----NAATCAA

Lhx6_CONSTRUCT

	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0075.1_Prrx2	2.2088e-04	NNTRATTRN --TAATT--	

WOX13

	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0070.1_PBX1	5.5638e-06	NNTGATTGAN-- NTTGATTGATNN	

Q00354_COPCI

	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>

MA0316.1_HAP5 3.4094e-09

ACCAATCN-----
ACCAATNAGMNNSSN

Q00352_COPCI*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0060.1_NFYA	4.3583e-09	----TGATTGGTT--- NNNCYSATTGGYYNNN	

Q68SS9_PLEDJ*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0315.1_HAP4	9.4207e-07	NNCAATCN----- NCCAATCARNNNNNN	

HOX6*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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MA0235.1_onecut 1.7458e-04

NNNCAATCAN
---NAATCAA

HAT1*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0235.1_onecut 1.4678e-04

NYAATCATNN
-NAATCAA--

hb5-2*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0235.1_onecut 9.7419e-08

NYAATCAW
-NAATCAA

hb5-1*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0070.1_PBX1 4.1702e-10

-TTGATTGR---
NTTGATTGATNN

ATHB-7*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0070.1_PBX1 1.0559e-04

NNATGATTGN---
-NTTGATTGATNN

HAT3*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0235.1_onecut 2.3651e-05

NYAATCAN
-NAATCAA

GRMZM2G038252*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0426.1_YHP1 9.8215e-06

NCAATCAN
-CAATTA-

WUS*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0070.1_PBX1 1.4198e-05

TGAWTGAWTGA---
--NTTGATTGATNN

HAT22*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0008.1_HAT5 2.6746e-05

AATGATTRNN
AATAATTN--

HAT2*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0008.1_HAT5 1.8572e-05

NNAATGATTRN
--AATAATTN-

ATHB-X*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0110.1_ATHB-5	1.8404e-07	NNAATRATTGN --AATMATTGN	

SNOG_08903*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0235.1_onecut	1.5205e-10	YAAATCAA -NAATCAA	

NEMVEDRAFT_v1g101664*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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MA0070.1_PBX1 5.5008e-06

---GATYGATT--
NTTGATTGATNN

lin-39

	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0070.1_PBX1	6.2232e-08	-CATCAATC--- NNATCAATCAAN	

estExt_gwp_gw1.C_702

	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0235.1_onecut	4.9964e-03	NAATNANNNNN NAATCAA---	

BARX1

	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>

MA0151.1_ARID3A 1.2246e-06

NNATTAAAWANCNATTA
--ATTAAA-----

NKX6-1

	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0214.1_bsh	8.3352e-07	NATYAWWWNNNMATTWNTN -----YMATTA--	

Q0N4H2_NEMVE

	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0188.1_Dr	5.7239e-10	TAATTRNT TAATTGG-	

NEMVEDRAFT_v1g114268

	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>

MA0188.1_Dr 6.9261e-05

NTAATNGRT
-TAATTGG-

NK7.1*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0054.1_myb.Ph3	5.3691e-06	-NACCGTTTAAN TAACNGTTW---	

BARHL2*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0054.1_myb.Ph3	6.5933e-07	NTAAACGNT-- --WAACNGTTA	

304_CTG_TTNQK*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0188.1_Dr	1.8802e-04	CCRGTTANNN CCAATTA---	

PK19166.1

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0372.1_RPH1	9.3146e-09	RTTAGGGG- -TTAGGGGN	

Lhx8

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0198.1_OdsH	9.5457e-08	NTRATTANNNNTRATTAN -----YTAATTR-	

TLX3

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0188.1_Dr	1.1926e-03	NAATTGNNNNNNNNNNNNNCAATTN TAATTGG-----	

Q0N4H7_NEMVE

		<i>forward</i>	<i>reverse compliment</i>
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0094.1_Ubx	2.9184e-02	NNNNNATNNN -----ATT--	

ventx1.1.L

		<i>forward</i>	<i>reverse compliment</i>
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0075.1_Prrx2	1.2557e-02	NNNNNNNNNN --TAATT---	

LHX2

		<i>forward</i>	<i>reverse compliment</i>
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>

MA0075.1_Prrx2 8.0794e-03

NNNNAANNNN
---TAATT--

NEMVEDRAFT_v1g129868*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0075.1_Prrx2	5.9220e-03	NYNANNNNN -TAATT---	

Q0N4H9_NEMVE*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0075.1_Prrx2	2.6414e-02	NNYRANNNN --TAATT--	

Hoxa3*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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MA0075.1_Prrx2 4.2577e-03

NTAATNRNNN
-TAATT----

Barx1*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0094.1_Ubx 4.4172e-03

NNNNATTANN
----ATTA--

Mnx1*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0075.1_Prrx2 4.4611e-03

NTAATNNNNN
-TAATT----

Nkx1-1*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0075.1_Prrx2 4.6337e-03

NNNNATTANN
---AATTA--

Hlx*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0075.1_Prrx2 9.7967e-03

NNWTNNN
TAATT--

Lmx1b*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0075.1_Prrx2 2.9556e-03

NTNATNN
-TAATT-

Lmx1a*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0075.1_Prrx2 5.3755e-03

NYNATNNN
-TAATT--

CaO19.4000*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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MA0075.1_Prrx2 8.5189e-03

NYAATNNNN
-TAATT---

kal-1*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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MA0075.1_Prrx2 6.1057e-03

NNNNANNN
--TAATT-

PHO2*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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MA0075.1_Prrx2 1.2104e-02

NNNATNNNNN
-TAATT----

ceh-51*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0075.1_Prrx2 4.0765e-02

NNYNATNNN
--TAATT--

UM04928*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0075.1_Prrx2 1.3088e-02

NNNNNATNNN
---TAATT--

otp*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0426.1_YHP1 2.8789e-08

NYAATTAN
-CAATTA-

OdsH*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0426.1_YHP1 2.3854e-08

NYAATTAN
-CAATTA-

DII*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0426.1_YHP1 2.2713e-08

NYAATTAN
-CAATTA-

Vsx2*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0426.1_YHP1 2.3819e-08

NYAATTAN
-CAATTA-

DLX5*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0426.1_YHP1 2.1206e-08

NTAATTGN
-TAATTG-

DLX4*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0426.1_YHP1 2.6660e-08

NCAATTAN
-CAATTA-

DLX6*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0426.1_YHP1 2.4257e-08

NCAATTAN
-CAATTA-

DLX1

	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0426.1_YHP1	3.6604e-08	NYAATTAN -CAATTA-	

GBX2

	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0426.1_YHP1	4.0831e-08	NTAATTRN -TAATTG-	

lms

	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>

MA0426.1_YHP1 3.2934e-08

NTAATTRN
-TAATTG-

Rx*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0426.1_YHP1 2.5179e-08

NYAATTAN
-CAATTA-

Vsx1*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0426.1_YHP1 1.3173e-08

NCAATTAN
-CAATTA-

LHX1*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0426.1_YHP1 3.7149e-08

NYNATTAN
-CAATTA-

Lim1*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0426.1_YHP1 4.6222e-08

NYAATTAN
-CAATTA-

ESX1*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0426.1_YHP1 9.7762e-08

NYAATTAN
-CAATTA-

SHOX2*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0232.1_lbl 1.2365e-07

NYAATTAN
-TMATTA-

Shox2*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0232.1_lbl

9.8309e-08

NYAATTAN
-TMATTA-

TLX2*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0232.1_lbl

8.2750e-08

NYAATTAN
-TMATTA-

DLX2*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0232.1_lbl

1.1128e-07

NYAATTAN
-TMATTA-

RAX2

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0232.1_lbl	1.1674e-07	NTAATTRN -TAATKA-	

PRRX1

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0232.1_lbl	6.1316e-08	NTAATTRN -TAATKA-	

DLX3

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>

MA0232.1_lbl 1.1929e-07

NYAATTAN
-TMATTA-

en*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0426.1_YHP1 6.3159e-08

NTAATTRN
-TAATTG-

Dlx1*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0426.1_YHP1 7.3537e-08

NYAATTAN
-CAATTA-

Dlx2*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0426.1_YHP1 8.3123e-08

NYAATTAN
-CAATTA-

SNAPOd2T00006620001*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0426.1_YHP1	5.3836e-08	NTAATTRN -TAATTG-	

ceh-54*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0426.1_YHP1	3.0546e-07	NNYAATTAN --CAATTA-	

Gbx2*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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MA0426.1_YHP1 2.9462e-07

NNYAATTANN
--CAATTA--

Gbx1*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0426.1_YHP1 3.9716e-07

NNYAATTANN
--CAATTA--

AAZ08039*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0426.1_YHP1 2.2824e-07

NNTAATTRNN
--TAATTG--

CG11085*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0426.1_YHP1 2.0173e-08

NCRATTAN
-CAATTA-

Hmx*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0426.1_YHP1 4.3245e-08

NTAAKTGN
-TAATTG-

GBX1*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0232.1_lbl 4.9552e-07

NSYAATTANN
--TMATTA--

CG9876*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0426.1_YHP1 4.0548e-07

NNYRATTANS
--CAATTA--

unpg*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0426.1_YHP1 2.0776e-07

NNCAATTANN
--CAATTA--

18_TAG_RLTQA*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0426.1_YHP1 1.1960e-07

NNCAATTARN
--CAATTA--

ceh-58*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0232.1_lbl 4.0935e-07

NNYAATTANN
--TMATTA--

Barhl2*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0426.1_YHP1 5.7920e-07

NNYNNTTAN
--CAATTA--

ceh-19*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0426.1_YHP1 4.4632e-07

NNCNATTAN
--CAATTA--

YHP1*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0232.1_lbl 5.2801e-06

NNYAATWWN
--TMATTA-

ATEG_04171*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0232.1_lbl 4.6903e-06

NNNYAATTWN
---TMATTA-

NCU03266*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0196.1_NK7.1 1.9654e-08

NYNATTWNNN
-CAATTAA--

HMX3*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0426.1_YHP1 2.8398e-07

NNCAMTTANNN
--CAATTA---

ENSTNIG00000006040*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0426.1_YHP1	8.7845e-07	NNNYNATTANNNN ---CAATTA----	

Rax*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0075.1_Prrx2	3.8995e-06	NNTAATTNN --TAATT--	

ALX4*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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MA0075.1_Prrx2 1.8830e-06

NTAATTRN
-TAATT--

Alx3

	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0075.1_Prrx2	8.5973e-07	TAATNNN TAATT--	

Dlx5

	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0075.1_Prrx2	1.2097e-06	WAATNNN TAATT--	

Prrx1

	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>

MA0075.1_Prrx2 1.7693e-06

TAATTNNN
TAATT---

NEMVEDRAFT_v1g105595*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0075.1_Prrx2 2.2012e-06

NTAATTNN
-TAATT--

Lhx1*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0075.1_Prrx2 5.0294e-06

TAATNNNNN
TAATT----

LHX3*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0194.1_Lim1 1.8346e-09

NNTAATTAAWTNN
--TAATTAA----

Dbx1

	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0194.1_Lim1	4.3593e-11	ATTAATTA -TTAATTA	

Dbx

	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0194.1_Lim1	2.3550e-11	ATTAATTA -TTAATTA	

ventx3.2

	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0194.1_Lim1	1.7841e-11	ATTAATTA -TTAATTA	

CBG00029

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0194.1_Lim1	1.6173e-11	TAATTAAT TAATTAA-	

FGRRS_01100

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0226.1_hbn	2.2507e-11	YAATTAAW YAATTAA-	

Tlx2

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>

MA0194.1_Lim1 2.7621e-10

TAWTTAAT
TAATTAA-

WOX11*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0240.1_repo 7.1158e-10

NNTAATTAAANT
--TAATTAA--

Q24782_9CNID*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0194.1_Lim1 1.4038e-11

TTAATTAA
-TAATTAA

CG32105*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0236.1_otp 3.4164e-11

TTAATTAR
-TAATTAR

pal-1*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0448.1_H2.0 2.2106e-10

TTWATTAC
NTWATNA-

hox12*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0174.1_CG42234 1.3600e-10

GTMATWAA
-TMATWAA

HXD12_HETFR*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0206.1_abd-A 9.0750e-11

GTAATTAA
-TAATTAA

ftz

		<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>		<i>Motif</i>
MA0226.1_hbn	2.0192e-11	GTAATTAA -YAATTAA		

Hoxc6

		<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>		<i>Motif</i>
MA0194.1_Lim1	1.9802e-11	RTAATTAA -TAATTAA		

Hoxc9

		<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>		<i>Motif</i>

MA0240.1_repo 7.4846e-10

NGTAATTAAN
--TAATTAA-

H2.0*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0448.1_H2.0 2.5989e-11

TNATWAA
TNATWAN

Q0N4F9_NEMVE*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0180.1_Vsx2 1.1622e-12

MTAATTAN-
CTAATTAAM

SPU_026099*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0180.1_Vsx2 8.9306e-13

NTAATTAA-
CTAATTAAM

vab-7*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0180.1_Vsx2 1.7780e-12

MTAATTAA-
CTAATTAAM

ENSTNIG00000004116*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0180.1_Vsx2 5.9242e-13

CTAATTAA-
CTAATTAAM

Smp_158000*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0180.1_Vsx2 4.7229e-13

CYAATTAA-
CTAATTAAM

NEMVEDRAFT_v1g164989*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0180.1_Vsx2	7.4326e-12	CTAATTAR- CTAATTAAM	

ARGFX*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0180.1_Vsx2	1.2971e-10	NCTAATTARN -CTAATTAAM	

repo*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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MA0240.1_repo 2.8598e-10

NYTAATTAA
--TAATTAA--

ENSCING00000016045*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0180.1_Vsx2	5.3273e-10	NCYAATTARNN -CTAATTAA-	

CNK00090*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0240.1_repo	2.3502e-11	ATAATTAA -TAATTAA	

CAD25284*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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MA0194.1_Lim1 1.5897e-11

TTAATTAN
TTAATTA-

O76842_CUPSA*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0194.1_Lim1 1.6400e-11

NTAATTAA
-TAATTAA

LMX1A*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0172.1_CG11294 1.7100e-11

TTAATTAN
TTAATTA-

HHEX*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0172.1_CG11294 2.1773e-10

TAATTNAW
TAATTAA-

lim-4

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0181.1_Vsx1	9.2564e-11	NNTAATTAR --TAATTAR	

Sebox

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0194.1_Lim1	2.5830e-10	NTAATTAANN -TAATTAA--	

Q24780_9CNID

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>

MA0194.1_Lim1 7.3681e-10

NNTAATTAANN
--TAATTAA--

mixl1.S*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0194.1_Lim1 6.0393e-10

NNTAATTAANN
--TAATTAA--

phx1*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0194.1_Lim1 1.0717e-09

NNTAATTAANN
--TAATTAA--

C4B866_NEMVE*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0194.1_Lim1 1.2649e-09

NNNTAATTAANN
---TAATTAA--

CNG03450*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0444.1_CG34031 7.7102e-07

NNWATTAAAN
-CAATTAA-

hbn*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0229.1_inv 1.1169e-09

NTAATTTAATTAN
----WYTAATTA-

CG5369*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0194.1_Lim1 1.2872e-09

TAATTNNATTA
TAATTAA----

unc-4*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0178.1_CG32105 1.8305e-08

TAATTNAATTA
TAATTAA----

bsh*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0229.1_inv 3.9607e-11

TAATTARATTA
TAATTARW---

Uncx*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0172.1_CG11294 3.7957e-09

NTAATTNRATTAN
-TAATTAA-----

Alx4

	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0194.1_Lim1	6.3149e-08	NTAATYNAATTAN -TAATTAA-----	

CG2808

	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0188.1_Dr	1.4849e-08	TAATTNSATTA TAATTGG----	

CG11294

	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>

MA0229.1_inv 6.6941e-10

TAATNNAATTA
---WYTAATTA

LHX4*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0232.1_lbl

1.2360e-07

NTAATTAN
-TMATTA-

HGTX*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0232.1_lbl

6.2738e-09

NTMATTAN
-TMATTA-

HOXB2*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0232.1_lbl 1.5599e-08

NYAATTAN
-TMATTA-

NOTO*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0232.1_lbl

1.6063e-08

NYAATTAN
-TMATTA-

NKX6-2*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0232.1_lbl

1.8473e-08

NTAATTRN
-TAATKA-

HOXA2*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0232.1_lbl 8.6640e-09

NTAATTAN
-TMATTA-

PDX1*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0232.1_lbl

1.1612e-08

YTAATKAN
-TAATKA-

Ubx*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0232.1_lbl

1.5127e-08

NYAATTAN
-TMATTA-

Lhx2*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0232.1_lbl

9.1589e-09

NYMATTAN
-TMATTA-

Lhx9

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0232.1_lbl	1.1389e-08	NYNATTAN -TMATTA-	

EMX1

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0232.1_lbl	1.3018e-08	NTAATTAN -TMATTA-	

lab

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>

MA0232.1_lbl 1.0849e-08

STAATTAN
-TMATTA-

CG18599*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0232.1_lbl

1.9400e-09

TAATTAN
TMATTA-

Meox2*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0232.1_lbl

7.1346e-09

NTAATTAN
-TMATTA-

ems*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0232.1_lbl 9.6821e-09

NTAATTAN
-TMATTA-

EVX1*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0232.1_lbl

1.2369e-08

NTAATTAN
-TMATTA-

EVX2*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0232.1_lbl

1.2336e-08

NTAATTAN
-TAATKA-

Lim3*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0232.1_lbl

2.1239e-08

NTAATTAN
-TAATKA-

Lhx4

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0232.1_lbl	2.0476e-08	NTAATTAN -TMATTA-	

HOXD1

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0232.1_lbl	2.0307e-08	NTAATTAN -TAATKA-	

Q9GP48_9TURB

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0232.1_lbl	3.8246e-08	NTAATTAN -TMATTA-	

Q70LF3_ARTSF

		<i>forward</i>	<i>reverse compliment</i>
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0232.1_lbl	2.7533e-08	NTAATTAN -TMATTA-	

NEMVEDRAFT_v1g205636

		<i>forward</i>	<i>reverse compliment</i>
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0232.1_lbl	3.7288e-08	NTAATTAN -TMATTA-	

MNX1

		<i>forward</i>	<i>reverse compliment</i>
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>

MA0232.1_lbl 2.6559e-08

NTAATTAN
-TMATTA-

DRGX*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0232.1_lbl

3.1653e-08

NYAATTAN
-TMATTA-

EN2*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0232.1_lbl

3.0403e-08

NTAATTAN
-TMATTA-

Prrx2*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0232.1_lbl 2.7448e-08

NTAATTRN
-TAATKA-

EN1*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0232.1_lbl

2.6907e-08

TAATTANN
TAATKA--

ALX3*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0232.1_lbl

2.1881e-08

NTAATTRN
-TAATKA-

SHOX*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0232.1_lbl 2.2701e-08

NYAATTAN
-TMATTA-

Awh*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0232.1_lbl

1.6501e-08

NTAATTAN
-TMATTA-

zfhx4*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0232.1_lbl

5.4071e-08

NYAATTANN
-TMATTA--

Lhx5*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0232.1_lbl 7.9458e-08

NNNYAATTA
---TMATTA

uncx*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0232.1_lbl

9.0879e-08

NNTAATTRN
--TAATKA-

Lhx3*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0232.1_lbl

6.3907e-08

NNATTANNN
TAATKA---

Hoxa1*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0232.1_lbl 3.8787e-08

NNYNATTNN
--TMATTA--

LHX6*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0232.1_lbl

1.0164e-07

TAATTANN
TMATTA--

Lhx6*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0232.1_lbl

1.2291e-06

NYAATYAN
-TMATTA-

prd-b*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0232.1_lbl 7.3149e-07

NTRATTRNN
-TAATKA--

Q4RRY4_TETNG*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0232.1_lbl 2.1430e-07

NNYAATYAN
--TMATTA-

7_TTA_RVLRA*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0232.1_lbl 5.5511e-08

TAATTARNN
TMATTA---

HOXA1*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0232.1_lbl 1.4927e-07

NNTAATTANN
--TAATKA--

ceh-23*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0232.1_lbl 1.3081e-07

NTAATTANNN
-TAATKA---

56_ATT_HRVQA*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0232.1_lbl 1.9416e-07

NYAATTARNN
-TMATTA---

MIXL1*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0232.1_lbl 2.4876e-07

NNYAATTANN
--TMATTA--

slou*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0232.1_lbl

1.4101e-07

NNYAATTANN
--TMATTA--

En2*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0232.1_lbl

6.0426e-08

NSTAATTANN
--TMATTA--

Hoxd3*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0232.1_lbl 1.0207e-07

NNYAATTANN
--TMATTA--

GSX1*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0232.1_lbl

6.6879e-08

NTMATNAN
-TAATKA-

HOXB5*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0232.1_lbl

5.6550e-08

NYMATTAN
-TMATTA-

Scr*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0232.1_lbl 4.3130e-08

NYMATTAN
-TMATTA-

HOXB8*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0232.1_lbl

1.3096e-07

NTAATKRC
-TAATKA-

HOXD8*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0232.1_lbl

2.2035e-07

NTAATKRC
-TAATKA-

HOXB6*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0232.1_lbl 3.1744e-08

GYMATTAN
-TMATTA-

HOXA6*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0223.1_exex 8.5000e-08

NNTAATKRCN
--TAATTAN-

HOXB1*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0223.1_exex 2.3787e-10

NTAATTAC
-TAATTAN

HOXA5*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0223.1_exex 3.9288e-10

STAATTAS
-TAATTAN**Q0N4M8_NEMVE***forward**reverse compliment**Name**E value**Alignment**Motif*

MA0223.1_exex 2.3856e-09

GTAATTAN
NTAATTA-**GSX2***forward**reverse compliment**Name**E value**Alignment**Motif*

MA0232.1_lbl 8.5976e-09

NTAATKRS
-TAATKA-**abd-A***forward**reverse compliment**Name**E value**Alignment**Motif*

MA0223.1_exex 1.9332e-08

NGTAATTANN
-NTAATTA--

pb

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0232.1_lbl	6.8619e-08	GTMATTAN -TMATTA-	

HOXB3

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0232.1_lbl	5.6179e-08	NNYMATTANN --TMATTA--	

NEMVEDRAFT_v1g8907

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>

MA0232.1_lbl 1.4668e-07

NTAATKRNNN
-TAATKA---

Hoxa2*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0232.1_lbl

3.9527e-08

NNTAATTANN
--TMATTA--

MEOX2*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0232.1_lbl

7.0922e-08

NNTAATTANN
--TMATTA--

eve*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0241.1_ro 7.8255e-10

NSTAATTAGN
--TAATTAR-

EMX2*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0241.1_ro

2.5200e-11

NTAATTAG
-TAATTAR

ro*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0241.1_ro

1.2763e-11

TAATTARN
TAATTAR-

ap*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0209.1_ap 1.2763e-11

TAATTARN
TAATTAR-

RAX*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0202.1_Rx

5.1507e-11

NTAATTAR
-TAATTAR

inv*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0229.1_inv

6.5503e-15

TAATTARW
TAATTARW

ind*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0228.1_ind 7.6496e-11

TAATTARNR
TAATTAR--

ISX

	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0241.1_ro	8.0527e-11	CTAATTAN YTAATTA-	

LBX1

	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0241.1_ro	4.2517e-10	NTAATTAG -TAATTAR	

pdm3

	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>

MA0241.1_ro 1.8173e-10

CTAATTAN
YTAATTA-

lbl*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0241.1_ro

1.9839e-09

NTAATKAG
-TAATTAR

dve*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0241.1_ro

9.7944e-10

NCTAATTANN
-YTAATTA--

Q9BJW6_9CNID*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0241.1_ro 8.0265e-10

NNTAATTAGN
--TAATTAR-

MEOX1*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0223.1_exex 5.9674e-09

NNTAATTASN
--TAATTAN-

exex*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0198.1_OdsH 1.1913e-08

NNNNYAATTNNCNN
----YAATTAR---

60_ATA_KTVQV*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0221.1_eve 4.0308e-10

NTMATTARNN
-TMATTAR--

LHX9

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0232.1_lbl	2.4650e-07	NNTNATTAN --TMATTA--	

POU6F1

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0232.1_lbl	1.9095e-07	NNTAATTANN --TAATKA--	

Q86SD7_PODCA

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>

MA0232.1_lbl 2.5359e-07

NNTAATTANN
--TMATTA--

CBG07641*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0232.1_lbl 1.8462e-07

NNTAATTANN
--TMATTA--

ceh-62*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0232.1_lbl 2.4811e-07

NNTAATTANN
--TMATTA--

btn*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0232.1_lbl 7.5444e-08

NNTMATTANN
--TMATTA--

258_ATT_RTVQQ*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0232.1_lbl

8.0329e-08

NTMATTANNN
-TMATTA---

LMX1B*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0232.1_lbl

2.8185e-07

NNNNTAATTAN
----TMATTA-

SNAPOd2T00006145001*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0232.1_lbl 2.6419e-06

NNYAATYANN
--TMATTA--

227_TTT_YRIAA*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0075.1_Prrx2	6.0657e-06	NAATTANNNN -AATTA----	

CAD26261*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0178.1_CG32105	2.6988e-08	TWWATTANN TTAATTA--	

Y749_MIMIV*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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MA0346.1_NHP6B 3.8384e-06

-----TATATTAA-----
NNNYNNWWTATAWWNNNANN

NCU09556*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0379.1_SIG1	2.9552e-06	TTAATATA ---ATATA	

ATHB-22*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0356.1_PHO2	3.7090e-05	NNNWAWATTATNN -----TAWTAW--	

SNAPOd2T00003340001*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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MA0232.1_lbl 6.4014e-06

NWWATTANNN
-TAATKA---

CG4328*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0182.1_CG4328	1.4526e-07	YAATWAWN YAATWAW-	

hbx10*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0182.1_CG4328	1.1851e-05	NWWATTRN WTWATTR-	

Q8I9J5_9BILA*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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MA0448.1_H2.0 3.6600e-05

NRTWATTANN
-NTWATNA--

Q7M3U4_ACRFO*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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MA0075.1_Prrx2 1.9488e-05

NNNTAATTNNN
---TAATT---

CBG04010*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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MA0206.1_abd-A 7.7487e-06

NNTTAATKNNN
--TTAATTA--

10_TGG_KSVMQ*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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MA0203.1_Scr 4.2788e-06

NNYTAATGNN
--YTAATGA-

237_TAG_YAVNA*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0238.1_pb

2.3898e-06

NMATTARNNN
TMATTAR---

2_TTT_RTVSA*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0203.1_Scr

1.5232e-05

NNYTAATNNN
--YTAATGA-

4_TTC_VRVSA*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0203.1_Scr 1.0721e-04

NNNATTARNN
-TCATTAR--

17_TAT_TRVSA*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0203.1_Scr 3.5384e-05

NNYATTARNN
-TCATTAR--

HDG11*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0151.1_ARID3A 3.6185e-06

NCATTWAWKN
--ATTAAA--

HDG7*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0170.1_C15 6.0448e-09

NCATTAAWTRN
---TTAAWKR-

HDG1*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0226.1_hbn

3.0337e-09

NYAATTAATGN
-YAATTAA---

ANL2*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0206.1_abd-A

4.3694e-06

NNAATTAATGN
-TAATTAA---

egl-5*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0248.1_tup 3.1483e-08

CCCATTAAAT
-CMATTAW--

14_TCG_KGTQM*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0248.1_tup

4.2624e-08

NNYTAATGGG
--WTAATKG-

NKX6-3*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0215.1_btn

3.0070e-09

NTCATTAWN
-TCATTAN-

tup*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0248.1_tup 2.1446e-11

SWTAATKG
-WTAATKG

C15*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0170.1_C15 1.2763e-11

NTTAAWKR
-TTAAWKR

232_TCG_IKNQM*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0248.1_tup 3.8435e-09

NYCATTARNN
-CMATTAW--

ATML1*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0186.1_Dfd 8.4622e-05

NNNANTNANN
-TCATTAA--

226_TTT_KMISA

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0075.1_Prrx2	2.0502e-04	NNNATTANNN --AATTA---	

Isl1

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0132.1_Pdx1	2.3124e-06	NCCATTAGN --AATTAG-	

236_TAG_KSTQM

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>

MA0248.1_tup 4.8824e-06

NCCATTANNN
-CMATTAW--

NANOG*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0214.1_bsh 1.0306e-04

NCNRTYAN
-YMATTA

Dfd*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0232.1_lbl 1.7692e-06

NNYCATTANN
--TMATTA--

HB-5*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0110.1_ATHB-5 2.0816e-07

NNANCAATAATTGNNNNNNWN
-----AATMATTGN-----

ATHB-21*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0110.1_ATHB-5 6.3559e-07

NNAATWATTGNTNN
NCAATKATT-----

ATHB-53*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0110.1_ATHB-5 4.4373e-10

NCAATTATTGN
NCAATKATT--

HAT5*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0008.1_HAT5 2.8499e-08

NNAATAATTNW
--AATAATTN-

ATHB-13*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0008.1_HAT5 4.2208e-08

NNAATTATTRN
-NAATTATT--

ATHB-16*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0008.1_HAT5 1.8398e-09

TAATMATT-
-AATAATTN

ATHB-20*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0008.1_HAT5 2.7583e-08

NYAATAATTNN
--AATAATTN-

ATHB-5

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0008.1_HAT5	1.9168e-07	NCAATAATTNN --AATAATTN-	

NCU03070

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0216.1_cad	6.3417e-05	NNYCAATAWW ---YAATAAA	

ATHB-51

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>

MA0008.1_HAT5 1.7745e-05

NNAATWAT--
--AATAATTN

PK20392.1*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0008.1_HAT5 9.0427e-05

NNAATMATNN
--AATAATTN

ATHB-6*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0110.1_ATHB-5 6.6140e-05

NNAATNATN--
--AATMATTGN

GSC2*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0094.1_Ubx 2.0696e-03

NTAATNNN
-TAAT---

Isl2*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0094.1_Ubx 3.3589e-03

NNNTNNN
--ATTA-

Obox3*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0094.1_Ubx 1.7438e-03

NNATNWN
--ATTA-

POU5F1B*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0075.1_Prrx2 3.0457e-03

NNAANNN
-TAATT-

En1*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0075.1_Prrx2 2.1945e-03

NNNANNN
-TAATT-

Dlx4*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0075.1_Prrx2 2.1990e-03

NTAATNNN
-TAATT--

Pdx1*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0094.1_Ubx 2.5080e-03

NNNATTAN
---ATTA-**E5***forward**reverse compliment**Name**E value**Alignment**Motif*

MA0075.1_Prrx2 1.9975e-03

NTAATNNN
-TAATT--**Isx***forward**reverse compliment**Name**E value**Alignment**Motif*

MA0094.1_Ubx 2.0861e-03

NNATTNNN
--ATTA--**Hoxd1***forward**reverse compliment**Name**E value**Alignment**Motif*

MA0075.1_Prrx2 2.9738e-03

NNNNATYN
---AATTA

Q6WL90_TRICY

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0075.1_Prrx2	1.9260e-03	NTAATNNN -TAATT--	

Otp

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0075.1_Prrx2	2.0878e-03	NNTAATNN --TAATT-	

Rhox6

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>

MA0094.1_Ubx 2.0443e-03

NTAATNNN
-TAAT---

Evx2*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0075.1_Prrx2 2.3487e-03

NNATTANN
-AATTA--

Hoxb6*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0094.1_Ubx 2.5913e-03

NNNNNNNN
TAAT---

Dbx2*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0094.1_Ubx 4.4778e-03

NNNTNNN
TAAT---

Hoxd8

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0094.1_Ubx	4.7931e-03	NNNNNNNN ---ATTA-	

Obox5

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0094.1_Ubx	2.4391e-03	NNNATNAN ---ATTA-	

Barx2

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>

MA0094.1_Ubx 3.1310e-03

NNNNATTAN
----ATTA-**Hoxa5***forward**reverse compliment**Name**E value**Alignment**Motif*

MA0094.1_Ubx 3.3308e-03

NTAATNNNN
-TAAT----**barx1***forward**reverse compliment**Name**E value**Alignment**Motif*

MA0075.1_Prrx2 3.1848e-03

NNNNATTAN
---AATTA-**Nkx6-1***forward**reverse compliment**Name**E value**Alignment**Motif*

MA0075.1_Prrx2 3.4714e-03

NNTAATNRN
--TAATT--

Hoxb3*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0075.1_Prrx2 3.1781e-03

NTAATNNNN
-TAATT---

Dlx3*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0075.1_Prrx2 3.2354e-03

NTAATNNNN
-TAATT---

Gsx2*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0075.1_Prrx2 3.0869e-03

NTAATNNNN
-TAATT---

Evx1*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0075.1_Prrx2 3.1475e-03

NTAATNNNN
-TAATT---

Hoxb5*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0094.1_Ubx 3.7479e-03

NTNATNNNN
-TAAT----

Nkx6-3*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0075.1_Prrx2 3.8618e-03

NNNATNANN
--AATTA--

Emx2*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0075.1_Prrx2 3.2531e-03

NTAATNNNN
-TAATT---

Nkx1-2*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0075.1_Prrx2 3.3875e-03

NNTAATNNN
--TAATT--

Bsx*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0075.1_Prrx2 3.4670e-03

NTAATNNNN
-TAATT---

Lbx2*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0094.1_Ubx 5.3979e-03

NNAANNNN
-TAAT---

NEMVEDRAFT_v1g81309*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0075.1_Prrx2 3.3645e-03

NNNNATTAN
---AATTA-

CBG20882*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0094.1_Ubx 4.1346e-03

NYNATNNNN
---ATTA--

Hoxa6*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0094.1_Ubx 3.7532e-03

NNNNATTAN
----ATTA-

ceh-5*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0075.1_Prrx2 3.4502e-03

NNTAATNNN
--TAATT--

Nobox*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0094.1_Ubx 4.8980e-03

NNYNATNNN
----ATTA-

Nanog*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0075.1_Prrx2 4.5812e-03

NNNATNNNN
-TAATT---

Meox1*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0075.1_Prrx2 4.5297e-03

NTAATKRNN
-TAATT---

YOX1*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0094.1_Ubx 1.1609e-02

YNATWWN
--ATTA--

NEMVEDRAFT_v1g136480*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0094.1_Ubx	7.7218e-03	NNNNNNNNNN ----ATTA--	

21_TAC_ERVSV*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0212.1_bcd	2.7894e-03	NCGYATTANN --GGATTA--	

20_TAC_QRVSA*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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MA0203.1_Scr 1.4870e-04

CGYATTARNN
-TCATTAR--

216_TGC_NRVMM*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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MA0212.1_bcd 6.8226e-04

NGCATTARNN
-GGATTA---

235_TAT_RAVSV*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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MA0186.1_Dfd 9.5367e-04

NNYTAA TGNN
--TTAATGA-

229_TTC_GRISA*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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MA0356.1_PHO2 1.8486e-03

NNYATTANNN
--TAWTAW--

Hoxb8*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0094.1_Ubx

6.4583e-03

NNNNATWNN
----ATTA-

Hoxc8*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0094.1_Ubx

8.9132e-03

NNNNNNNNNN
----ATTA-

CBG00023*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0094.1_Ubx 5.4028e-03

NNNNNATWAN
-----ATTG-

Hmx2*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0426.1_YHP1 3.6198e-04

NNNCRNTTNN
---CAATTA-

Hmx1*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0426.1_YHP1 3.2593e-04

NNNCRNTTNN
---CAATTA-

SIX5*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0335.1_MET4 2.1780e-03

GARTTGTAGT
-ANCTGTGG-

schlank*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0193.1_Lag1 2.2828e-10

AWNTTGGTRG
---TTGGTRG

yox1*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0075.1_Prrx2 7.7965e-03

NNNNATNNNN
--TAATT--

Noto*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0075.1_Prrx2 6.3461e-03

NNNNATNNNN
---AATTA--

UNCX*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0075.1_Prrx2 1.8805e-03

NNAATTNN
-TAATT--

pha-2*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0426.1_YHP1 4.0154e-02

NNNNNATNNN
---CAATTA-

CG15696*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0426.1_YHP1 2.0724e-02

NNYAATNNN
--CAATTA-

CG34031*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0426.1_YHP1 2.0324e-02

NYNNNNNN
-CAATTA-

NEMVEDRAFT_v1g80394*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0426.1_YHP1 1.3574e-02

NNNNATNNN
--CAATTA-

NOBOX*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0426.1_YHP1 3.2827e-02

NNYNATNNNN
--CAATTA--

IRX5

	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0328.1_MATALPHA2	3.9553e-05	NNNTGTNNNACAYNN -----AATTACATG-	

MTAL2_KLUDE

	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0328.1_MATALPHA2	6.6896e-12	CRTGTAAW- CATGTAATT	

HMRA2

	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>

MA0328.1_MATALPHA2 1.7878e-12

-WTTACAYG
AATTACATG

Rhox8

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0392.1_STB5	2.3740e-05	NTTACACCN -TANNNCCG	

mirr

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0233.1_mirr	1.6159e-06	TGTTWNNN TGTTW---	

ara

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>

MA0210.1_ara 1.6159e-06

TGTTWTNN
TGTTW---

caup*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0217.1_caup 1.6159e-06

TGTTANWN
TGTTA---

CG11617*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0173.1_CG11617 1.4526e-07

-TGTWAAAW
ATGTWAA--

51_CAG_MSHWR*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0217.1_caup 1.9443e-06

NCTGTTAN
--TGTTA-

49_CAT_LSQSR

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0173.1_CG11617	1.9340e-06	NNTGTTARN -ATGTWAA-	

253_CGT_VANSR

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0217.1_caup	4.9392e-06	NNTGTTANN --TGTTA--	

55_CAA_LHYVR

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>

MA0217.1_caup 8.1367e-06

NNTTGTTANN
---TGTTA--

HMLALPHA2*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0210.1_ara

1.2090e-02

NNNGTNNN
--TGTTW-

MATALPHA2*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0210.1_ara

2.0207e-02

NNNGNNNN
--TGTTW-

CBG08197*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0210.1_ara 1.5637e-02

NNNGTNNN
--TGTTW--

Irx4*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0210.1_ara

8.5641e-03

NTNTNNNN
-TGTTW--

Irx6*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0210.1_ara

5.7942e-03

NTNTNNNN
-TGTTW--

Irx2*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0210.1_ara 1.6628e-02

NNNTGTNNN
---TGTTW-

Irx5*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0210.1_ara

1.3053e-02

NNTGTNNNN
--TGTTW--

AGAP009986*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0210.1_ara

2.8411e-02

NNNNTGTNNN
----TGTTW-

Rhox11*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0210.1_ara 2.0801e-02

NNNTGTWNNN
---TGTW--

MTAL2_PICAN*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0318.1_HMRA2 1.0682e-01

NNNACANNN
WTTACAYG-

IRX1*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0328.1_MATALPHA2 9.6004e-06

NNCANNNNNNNNNTGNN
-----AATTACATG--

IRX3*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0328.1_MATALPHA2 8.9355e-05

WACAYGNWWWWNCRTGTW
-----AATTACATG--

FGRRS_07914*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0328.1_MATALPHA2	2.1882e-04	NNACATGTANN- ---CATGTAATT	

SNAPOd2T00005194001*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0328.1_MATALPHA2	1.7656e-04	-NNTACATGTNN AATTACATG---	

ATHB-4*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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MA0254.1_vvl 8.1236e-04

NNYATGCAKNN
--TATKCA---

hbx7*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0322.1_INO4 2.4836e-03

NNNANATGCNNNN
TTCACATGC----

IRX2*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0207.1_achi 6.9992e-04

NNTGTCRTGTWN
-CTGTCA-----

Irx3*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0143.1_Sox2 2.4858e-09

--TTTKTCATGTWR-
CCWTTGTNATGCANA

vis

		<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>		<i>Motif</i>
MA0252.1_vis	8.8622e-07	NTGTCA NTGTCA		

achi

		<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>		<i>Motif</i>
MA0252.1_vis	8.7480e-07	NTGTCA NTGTCA		

Meis2

		<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>		<i>Motif</i>

MA0252.1_vis 6.4391e-06

NTGTCAN
NTGTCA-**MEIS1***forward**reverse compliment**Name**E value**Alignment**Motif*

MA0252.1_vis

6.6419e-06

NTGACAN
-TGACAN**Meis3***forward**reverse compliment**Name**E value**Alignment**Motif*

MA0227.1_hth

6.6077e-06

NTGTCAN
CTGTCA-**Meis1***forward**reverse compliment**Name**E value**Alignment**Motif*

MA0252.1_vis

4.1357e-05

NNNTGTCAN
--NTGTCA-

ANHX

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0408.1_TOS8	5.5807e-06	CWTGTCAA- -NTGTCAAN	

FGRRES_17152

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0328.1_MATALPHA2	7.6247e-08	-ATGACATG AATTACATG	

FGRRES_17150

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>

MA0252.1_vis 1.0847e-04

NNWTGTCAWN
--NTGTCA--

Tgif1*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0227.1_hth

6.8698e-05

NNNTGTCANN
--CTGTCA--

Tgif2*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0227.1_hth

6.9961e-05

NNNTGTCANN
--CTGTCA--

CUP9*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0288.1_CUP9

3.7091e-11

NWTGTGTGAN
WWTGTGTCA-

hbx4

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0227.1_hth	1.0419e-04	NNNYGTCANN --CTGTCA--	

CAGL0H02959g

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0227.1_hth	1.1990e-04	NNNYGTCANN --CTGTCA--	

ANIA_00885

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0207.1_achi	1.9445e-04	NNNTGTMANN --CTGTCA--	

GRMZM2G087741*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0227.1_hth	1.3141e-06	NGMYGTCANN --CTGTCA--	

GRMZM2G135447*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0227.1_hth	5.9773e-09	SMYGTCAN -CTGTCA-	

KNAT7*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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MA0018.2_CREB1 2.6336e-07

TGACRTCT
TGACGTCA

CBG24578*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0207.1_achi	1.4139e-07	NNNTGACAGSTN ---TGACAG---	

TGIF2*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0227.1_hth	3.1704e-07	TGACANNTGTCA -----CTGTCA	

TGIF1*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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MA0207.1_achi 1.8587e-07

TGACAGCTGTCA
-----CTGTCA

MEIS3*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0227.1_hth

1.3353e-06

TGACANNTGTCA
-----CTGTCA

MEIS2*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0207.1_achi

3.0941e-07

TGACAGCTGTCA
TGACAG-----

PKNOX1*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0227.1_hth 5.8002e-07

TGACASSTGTCA
-----CTGTCA

PKNOX2*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0227.1_hth 5.7190e-07

TGACANNTGTCA
-----CTGTCA

TGIF2LY*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0227.1_hth 3.0965e-07

TGACANNTGTCA
-----CTGTCA

TGIF2LX*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0227.1_hth 2.5463e-07

TGACANCTGTCA
-----CTGTCA

Pknox2*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0207.1_achi 1.0777e-07

TGACAGGTGTCA
TGACAG-----

Q5EVH4_OIKDI*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0227.1_hth 5.3087e-09

NCTGTCAN
-CTGTCA-

HOS66*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0089.1_NFE2L1_MafG 2.0629e-02

NNNNNNNN
--GTCATN

KNAT4*forward* *reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0089.1_NFE2L1_MafG	1.2367e-02	NNNNGTCNN-- ----GTCATN	

Q0ZPQ8_NEMVE*forward* *reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0207.1_achi	1.1053e-02	NTGACRNNN -TGACAG--	

KNAT3*forward* *reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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MA0207.1_achi 1.4978e-02

NNNNGTCNNN
--CTGTCA--

PK25034.1*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0207.1_achi 1.4895e-02

NNMNGTCANN
--CTGTCA--

KNAT6*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0207.1_achi 1.6623e-02

NNNNGTCNNN
--CTGTCA--

unc-62*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0207.1_achi 1.5344e-02

NNNTNTNNN
--CTGTCA--

Pknox1

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0227.1_hth	7.0473e-03	NNNTGTCN --CTGTCA	

FGRRS_16926_M

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0207.1_achi	1.4605e-02	NNTGTNNN -CTGTCA-	

FGRRS_17238

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>

MA0207.1_achi 2.7682e-02

NNNNACNNNN
--TGACAG--

CADAORAG00002315*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0227.1_hth

2.1428e-02

NNNTGTNNNN
--CTGTCA--

ATEG_00670*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0227.1_hth

3.4042e-02

NNNGTNNNN
-CTGTCA--

TVAG_451170*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0246.1_so 1.2975e-03

NNCRCATCAN
---GTATCA-

TVAG_493070*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0129.1_TGA1A 2.3900e-03

NNTGATGTGNN
--TGACGTN--

TOS8*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0018.2_CREB1 8.6372e-07

WKACGTCANNN
TGACGTCA---

CBG10835*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0199.1_Optix 1.5682e-02

NNNNTCANN
--TATCA--

Phyra73700*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0199.1_Optix 1.5829e-02

NNNNNNTCAN
----TATCA-

si_dkey-43p13.5*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0210.1_ara 7.5942e-02

NNNNWWNNNN
--TGTTW---

PK24181.1*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0227.1_hth 4.3791e-02

NNNNNNNNNN--
-----CTGTCA

Six4*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0204.1_Six4 3.2262e-02

NNNKNTNNN
--GTNTCA-

Six2*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0246.1_so 1.2907e-02

NNNTATNN
--GTATCA

Six1*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0246.1_so 2.2537e-02

NNNRTATNNN
---GTATCA-

S0

		<i>forward</i>	<i>reverse compliment</i>
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0246.1_so	7.0329e-09	NGTATCAN -GTATCA-	

SIX2

		<i>forward</i>	<i>reverse compliment</i>
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0246.1_so	2.7271e-07	NNYGATACNN --TGATAC--	

SIX4

		<i>forward</i>	<i>reverse compliment</i>
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>

MA0246.1_so 1.5465e-07

NNYGATACNN
--TGATAC--

SIX1*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0246.1_so

9.5689e-05

NCGTATCRNN
--GTATCA--

ceh-34*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0246.1_so

3.0430e-02

NNNRKATNNN
---GTATCA-

XP_003689450.1*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0036.1_GATA2 5.8039e-02

NNNGKNTNNN
---NGATN--

Q6Y859_MARMO*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0199.1_Optix 5.3920e-03

NNNATNNNNN
--TATCA---

PRH_PETCR*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0345.1_NHP6A 4.6352e-09

-----TWATATAT-----
NNNNNNTTATATANNRNNNNN

hbx2*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0379.1_SIG1 6.3617e-06

NNATATATWN
---TATAT--

PDF2

	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0277.1_AZF1	1.1933e-03	NNNGAATATTCYNTN- -----TTTCTTTT	

KLLA0_D10043g

	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0379.1_SIG1	8.4022e-03	NNNNNNNNNN --TATAT--	

NEMVEDRAFT_v1g81436

	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>

MA0216.1_cad 9.7454e-02

NNNNNNANNNN
---YAATAAA

ANIA_01217*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0216.1_cad

6.6209e-02

NNNNAATANN
---YAATAAA

ZHX1*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0129.1_TGA1A 1.0082e-01

NNNNRNNN
TGACGTN-

ceh-74*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0436.1_YPR022C 6.6468e-03

NNGTGAGGNNN
-NGTG GGG---

CAD25866*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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MA0227.1_hth	2.3133e-03
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NMTCTCAANNN -CTGTCA----

NKX2-1*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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MA0211.1_bap	7.5503e-05
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NNCACTCMAN --CACTTAA-

ATHB-12*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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MA0089.1_NFE2L1_MafG 2.0267e-01

NNNNNNNN
-NATGAC-

RLT1

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0127.1_PEND	3.5933e-02	--NANGAANN MATAAGAANT	

PK25011.1

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0089.1_NFE2L1_MafG	1.5545e-01	NNNNNNNAWNN ---GTCATN-	

CIMG_06089

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>

MA0318.1_HMRA2 3.1007e-01

NNNNNNNNNN--
---CRTGTAAW

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