

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

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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)

```

PHDP:          -----NTAATNNNATTAN-----
Prrx1:         -----NNNAATTA-----
Pknex1:        -----NGACANN-----
LHX1:          -----NYNATTAN-----
LHX2:          -----NNNNTTNNNN-----
LHX4:          -----NTAATTAN-----
LHX6:          -----NYAATCAN-----
CBG04010:      -----NNNMATTAANN-----
LHX9:          -----NNTNATTAN-----
PK24181.1:     -----NNNNNNNNNN-----
IRX5:          -----NNNTGTNNNACAYNN-----
IRX2:          -----NWACAYGACANN-----
pal-1:         -----TTWATTAC-----
GSC2:          -----NNNATTAN-----
Isl2:          -----NNNTNNN-----
WOX13:         -----NNTGATTGAN-----
Q0N4F9_NEMVE:  -----MTAATTAN-----
hox12:         -----TTWATKAC-----
eve:           -----NSTAATTAGN-----
ZHD7:          -----NNNNNTTANN-----
OdsH:          -----NYAATTAN-----
unc-62:        -----NNNTNTNNN-----
NEMVEDRAFT_v1g113057: -----NNGGATTARN-----
DLX3:          -----NYAATTAN-----
HBX4_ECHGR:    -----NNGGATTANN-----
Q7M3U4_ACRFO:  -----NNNAATTANNN-----
Hoxb8:         -----NNNNATWNN-----
Hoxb9:         -----NNNNRTWAAN-----
Hoxb3:         -----NNNNATTAN-----
Six6:          -----NNKATNN-----

```

Stamp Results

09/21/20

```

GSX1: -----NTNATKAN-----
Hoxb6: -----NNNNNNNN-----
Hoxb7: -----NNNNTNNN-----
Hoxb4: -----NNNNATTAN-----
ENSCING00000016045: -----NCYAATTARNN-----
Hoxc11: -----NNNNRTWAAN-----
ceh-36: -----NNGATTAN-----
Hoxc13: -----NTTTAYNNNN-----
Hoxc12: -----NNTWAYNNNN-----
VSX2: -----CTAATTAN-----
HOXB8: -----GYMATTAN-----
HOXB9: -----NTTTTACGAC-----
SNAPOd2T00006145001: -----NNTRATTRNN-----
HOXB2: -----NYAATTAN-----
HOXB3: -----NNYMATTANN-----
HOXB6: -----GYMATTAN-----
HOXB7: -----NYAATTAN-----
HOXB5: -----NYMATTAN-----
HOXC11: -----NNTTTACGAYN-----
HOXC13: -----NTTTTATTGSN-----
HOXC12: -----NTTTTATTACN-----
Hoxd12_CONSTRUCT: -----NNTNAYNNNN-----
six3: -----NNNATMNNNN-----
hbn: -----NTAATTTAATTAN-----
Hoxa6: -----NNNNATTAN-----
HDG11: -----NCATTWAWKN-----
barx1: -----NNNNATTAN-----
pbx4: -----NNCATCAA-----
Duxbl1: -----NTGATTRNN-----
Hmx2: -----NNNCRNTTNN-----
ceh-24: -----NNYNCTYNN-----
ceh-23: -----NNNTAATTAN-----
ceh-22: -----NNNCACTTNA-----
vis: -----TGACAN-----
Dfd: -----NNYCATTANN-----
BSX: -----NNCGTTAN-----
B-H2: -----NNCGTTTANN-----
B-H1: -----NNCGTTTANN-----
CG5369: -----TAATNNAATTA-----
ceh-90: -----NGTTTTANN-----
BARX1: -----NNATTAAAWANCNATTA
CNK00090: -----ATAATTAA-----
Gbx2: -----NNYAATTANN-----

```

Stamp Results

09/21/20

Gbx1:	-----NNYAATTANN-----
Hlx:	-----NNNAWNN-----
SNOG_08903:	-----TTGATTTR-----
EMX2:	-----NTAATTAG-----
EMX1:	-----NTAATTAN-----
Gsx2:	-----NNNNATTAN-----
GRMZM2G087741:	-----NNTGACRKC-----
Pdx1:	-----NNNATTAN-----
cad:	-----NTTTTATKGCNN-----
C4B866_NEMVE:	-----NNTTAATTANNN-----
oc:	-----NGGATTAN-----
Q0N4H2_NEMVE:	-----ANYAATTA-----
Q9GP48_9TURB:	-----NTAATTAN-----
Pph13:	-----NYAATTAN-----
Q24782_9CNID:	-----TTAATTAA-----
Esx1:	-----NAATTANN-----
Q70HR3_PLEPI:	-----NNNTACTTAN-----
Nobox:	-----NNYNATNNN-----
Bsx:	-----NNNNATTAN-----
ventx1.1.L:	-----NNNNNNNNNN-----
ceh-5:	-----NNNATTANN-----
HNF1B:	-----GTTAATNATTAA-----
POU5F1B:	-----NNNTTNN-----
AAZ08039:	-----NNYAATTANN-----
PROP1:	-----NAAYNNAATTA-----
Optix:	-----TAATTARATTA-----
YHP1:	-----NWWATTRNN-----
Hoxb13:	-----NTTWAYNNNN-----
ATEG_00670:	-----NNNNACNNN-----
TVAG_451170:	-----NNCRCATCAN-----
lab:	-----STAATTAN-----
Nkx2-9:	-----NNRAGTRNNN-----
Prop1:	-----NRATNNN-----
PHOX2A:	-----NNAATTAN-----
Nkx2-3:	-----NNRAGNRNN-----
PHOX2B:	-----NYAATTAN-----
Nkx2-6:	-----NNNCACTTNN-----
CG2808:	-----TAATSNAATTA-----
HOXB13:	-----NTTTTATTGGN-----
HMBOX1:	-----NCTAGTTAN-----
Ptx1:	-----NGGATTAN-----
caup:	-----NWNTAACA-----
NEMVEDRAFT_v1g101664:	-----GATYGATT-----

Stamp Results

09/21/20

```

zfhx4: -----NYAATTANN-----
unc-4: -----TAATTNAATTA-----
Ubx: -----NYAATTAN-----
Rx: -----NYAATTAN-----
SNAPod2T00005194001: -----NNACATGTANN-----
CBG24578: -----NNNTGACAGSTN-----
Nkx6-3: -----NNNATNANN-----
Nkx6-1: -----NYNATTANN-----
MTR_2g038000: -----NNNNNAGNNN-----
Q9C1N5_COPSC: -----NNGATTGNN-----
SIX6: -----NNNTATCRNN-----
SIX3: -----NNNTATCRNN-----
Barx2: -----NNNNATTAN-----
HNF1A: -----NRTTAATNATTAACN-----
Vsx1: -----NCAATTAN-----
Vsx2: -----NYAATTAN-----
RAX: -----YTAATTAN-----
GRMZM2G135447: -----NTGACRKS-----
Hoxa13: -----NTTWAYNNN-----
DPRX: -----NGGATTATCN-----
ESX1: -----NYAATTAN-----
SHOX2: -----NYAATTAN-----
Hoxa10: -----NNNNNTNNN-----
hoxd13a: -----WTTTATKA-----
Tlx2: -----ATTAAWTA-----
ceh-62: -----NNTAATTANN-----
Hoxa5: -----NNNNATTAN-----
Nkx2-1: -----NNRAGNRN-----
en: -----NYAATTAN-----
NOBOX: -----NNNNATNRNN-----
Otx1: -----NNTAATCGGATTANN-----
abd-A: -----NGTAATTANN-----
Dll: -----NYAATTAN-----
Lhx6_CONSTRUCT: -----NYAATYANN-----
pha-2: -----NNNATNNNNN-----
MNX1: -----NTAATTAN-----
Cphx1: -----WGATNNNNNN-----
CG11085: -----NCRATTAN-----
ftz: -----GTAATTAA-----
uncx: -----NYAATTANN-----
EN1: -----NYAATTAN-----
EN2: -----NTAATTAN-----
E5: -----NNNATTAN-----

```

Stamp Results

09/21/20

ro:	-----TAATTARN-----
lms:	-----NYAATTAN-----
TOS8:	-----NNNTGACGTMW-----
Hoxa7:	-----NNNNATWNN-----
En1:	-----NNNANNN-----
En2:	-----NSTAATTANN-----
Hoxa4:	-----NNNNATTAN-----
Hoxa3:	-----NNNYNATTAN-----
Hoxa2:	-----NNTAATTANN-----
Hoxa1:	-----NNYNATTNN-----
NANOG:	-----NCNRTYAN-----
Hoxa9:	-----NNNNNNNN-----
Nanog:	-----NNNNATNNN-----
HAT1:	-----NNATGATTRN-----
HAT3:	-----NTGATTRN-----
NCU03266:	-----NYNATTWNNN-----
Q0N4H9_NEMVE:	-----NNNNTYRNN-----
PDX1:	-----NTMATTAR-----
NK7.1:	-----NACCGTTTAAN-----
ISX:	-----CTAATTAN-----
Q70LF3_ARTSF:	-----NTAATTAN-----
Hoxa11:	-----NNNTTTACGANN-----
ZFHX2:	-----NNTAATTANN-----
Nkx2-2:	-----NNNRAGNRN-----
Q9BJW6_9CNID:	-----NNTAATTAGN-----
CAD26261:	-----TWWATTANN-----
NEMVEDRAFT_v1g129868:	-----NNNNNTNRN-----
KNAT6:	-----NNNGACNNNN-----
Hmx:	-----NCAMTTAN-----
Lim3:	-----NTAATTAN-----
Lim1:	-----NYAATTAN-----
PRH_PETCR:	-----ATATATWA-----
Abd-B:	-----NWTTTACGACN-----
Nkx2-4:	-----NNRAGNRNNN-----
Nkx3-1:	-----NNAAGTGNNN-----
Otp:	-----NNATTANN-----
Nkx2-5:	-----NNNRAGNRNN-----
Nkx3-2:	-----NNAAGTRNN-----
ceh-19:	-----NNCNATTAN-----
Meis3:	-----NTGACAN-----
Q24780_9CNID:	-----NNTTAATTANN-----
ATHB-12:	-----NNNNNNNN-----
ATHB-16:	-----AATKATTA-----

Stamp Results

09/21/20

```

Q00354_COPCI: -----NGATTGGT-----
AGAP009986: -----NNNACANNNN-----
Mnx1: -----NNNNNATTAN-----
Q86SD7_PODCA: -----NNTAATTANN-----
Antp: -----TMATTAAR-----
HOXA7: -----NYMATTAN-----
HOXA6: -----NGYMATTANN-----
HOXA5: -----STAATTAS-----
HOXA4: -----RTMATTAN-----
HOXA2: -----NTAATTAN-----
HOXA1: -----NNTAATTANN-----
Q8VHG7_MOUSE: -----NGGATTAW-----
HOXA9: -----NNNTTTAYGAYN-----
Obox6: -----NNRGATTAN-----
Obox5: -----NNNATNAN-----
Obox3: -----NNATNWN-----
Obox1: -----NNNGGATTAN-----
lbe: -----NNTCGTTA-----
PITX2: -----NGGATTAN-----
PITX3: -----NGGATTAN-----
PITX1: -----NGGATTAN-----
lbl: -----CTMATTAN-----
CBG07641: -----NNTAATTANN-----
HXD12_HETFR: -----TTAATTAC-----
DMBX1: -----NGGATTAN-----
ENSTNIG00000004116: -----CTAATTAA-----
ALX3: -----NYAATTAN-----
ALX1: -----NTAAYNYAATTAN-----
Emx2: -----NNNNATTAN-----
ALX4: -----NYAATTAN-----
Dr: -----NNYAATTA-----
NEMVEDRAFT_v1g114268: -----AYCNATTAN-----
vnd: -----TYTCAAGTR-----
Smp_158000: -----CYAATTAA-----
CG32105: -----YTAATTAA-----
DRGX: -----NYAATTAN-----
Q68SS9_PLEDJ: -----NGATTGNN-----
bsh: -----TAATYTAATTA-----
Dlx5: -----NNNATTW-----
PBX4: -----NNNNNTNNNN-----
exex: -----NNNNYAATTNNCNN-----
PBX1: -----NTGATTGAYR-----
SNAPOd2T00003340001: -----NWWATTANN-----

```

Stamp Results

09/21/20

```

exd:-----NTTTGACA-----
CBG10835:-----NNNNTCANN-----
TLX2:-----NYAATTAN-----
TLX3:---NAATTGNNNNNNNNNNNNNNNCAATTN-
GSX2:-----SYMATTAN-----
TGIF2:-----TGACANNTGTCA--
TGIF1:-----TGACAGCTGTCA--
Dmbx1:-----NNRGATTAN-----
Rhox6:-----NNNATTAN-----
CG18599:-----TAATTAN-----
Rhox8:-----NTTACACCN-----
Uncx:-----NTAATYNAATTAN-----
Hoxb5:-----NNNNATNAN-----
Tgif2:-----NNTGACANNN-----
Tgif1:-----NNTGACANNN-----
slou:-----NNYAATTANN-----
Hoxd8:-----NNNNNNNN-----
Hoxd9:-----NCCATWAAA-----
Hoxc10:-----NTTTTAYGAC-----
yox1:-----NNNNATNNNN-----
Hoxd3:-----NNYAATTANN-----
POU6F1:-----NNTAATTANN-----
Q0N4H7_NEMVE:-----NNNNNATNNN-----
HOXD8:-----GYMATTAN-----
HOXD9:-----NTTTTATTGC-----
HOXD4:-----NYMATTAN-----
zen:-----NTMATTAN-----
EVX1:-----NTAATTAN-----
EVX2:-----NTAATTAN-----
repo:-----NYTAATTAAN-----
hbx4:-----NNTGACRNNN-----
hbx2:-----NNATATATWN-----
vsx2:-----NYTAATTAANN-----
hbx9:-----NNTGACAN-----
Six3:-----NKATNNN-----
bap:-----NNCACTTANN-----
Hnf1b:-----NNNGTNNN-----
NKX2-8:-----NNRAGNRN-----
Otx2:-----NNGATTAN-----
SNAPOd2T00006620001:-----NYAATTAN-----
ems:-----NTAATTAN-----
PRRX1:-----NYAATTAN-----
CG15696:-----NNNATTRNN-----

```

Stamp Results

09/21/20

```

PRRX2: -----NNCRTNAN-----
CRX: -----NSGGATTAGN-----
hbx5-2: -----WTGATTRN-----
Meis2: -----NTGACAN-----
Meis1: -----NTGACANNN-----
hbx5-1: -----TTGATTGR-----
ara: -----NNAWAACA-----
VENTX: -----CTAATTAN-----
btn: -----NNTMATTANN-----
CAGL0H02959g: -----NNTGACRNNN-----
MEIS2: -----TGACAGCTGTCA--
MEIS1: -----NTGACAN-----
tup: -----CMATTAWS-----
ceh-58: -----NNYAATTANN-----
Awh: -----NTAATTAN-----
ceh-54: -----NNYAATTAN-----
Dobox5_CONSTRUCT: -----NNRGATTAN-----
ceh-57: -----NNNNNTWAN-----
ceh-51: -----NNNATNRNN-----
ceh-53: -----NRGATTAN-----
PHO2: -----NNNNNATNNN-----
Q6WL90_TRICY: -----NNNATTAN-----
LBX2: -----CTCRTTAA-----
LBX1: -----CTAATTAN-----
PKNOX1: -----TGACASSTGTCA--
PKNOX2: -----TGACANNGTGTCA--
CBG23031: -----NNNNATWAAN-----
HOXC10: -----NNTTTATKRCN-----
NEMVEDRAFT_v1g81436: -----NNNNTNNNNN-----
Hnf1a: -----NNNGTTAN-----
ENSTNIG00000017092: -----NTGATTAN-----
H2.0: -----TTWATNA-----
NEMVEDRAFT_v1g80394: -----NNNATNNNN-----
unpg: -----NNCAATTANN-----
NEMVEDRAFT_v1g164989: -----YTAATTAG-----
Noto: -----NNNNATNNNN-----
MEOX1: -----NSTAATTANN-----
MEOX2: -----NNTAATTANN-----
Nkx1-1: -----NNNNATTANN-----
pdm3: -----CTAATTAN-----
UM04928: -----NNNATNNNNN-----
Hmbox1: -----NNNGTNNN-----
Alx3: -----NNNATTA-----

```


Stamp Results

09/21/20

```
CG11617:-----WTTTWACA-----
Alx1:-----NNTAATTANN-----
HOXA13:-----GTTTTATTGGN-----
HOXA11:-----NTTTTACGACN-----
HOXA10:-----NTTTTACGACN-----
pb:-----GTMATTAN-----
Barx1:-----NNNNATTANN-----
ATHB-4:-----NNMTGCATRNN-----
ATHB-6:-----NATNATTNN-----
ATHB-7:-----NNATGATTGN-----
Barhl1:-----NNCRTTTANN-----
Rhox11:-----NNNTGTWNNN-----
ventx3.2:-----TAATTAAT-----
Crx:-----NNGATTAN-----
ENSCING00000007395:-----NWNNNNNNN-----
otp:-----NYAATTAN-----
Prrx2:-----NYAATTAN-----
P79681_ACIBE:-----NTAATTAA-----
si_dkey-43p13.5:-----NNNNWWNNNN-----
Lbx2:-----NNNNTTNN-----
CG9876:-----NNYRATTANS-----
NEMVEDRAFT_v1g8907:-----NNNYMATTAN-----
Phox2a:-----NNATTNNN-----
C15:-----YMWTTAAN-----
UNCX:-----NNAATTNN-----
TGIF2LY:-----TGACANNTGTCA--
TGIF2LX:-----TGACAGNTGTCA--
CG34031:-----NNNNNNRN-----
mix11.S:-----NNTAATTAANN-----
NEMVEDRAFT_v1g205636:-----NTAATTAN-----
ARX:-----YTAATTAN-----
dharma:-----GGATNNN-----
Dlx4:-----NNNATTAN-----
ATEG_04171:-----NNNYAATTWN-----
Dlx1:-----NYAATTAN-----
Dlx2:-----NYAATTAN-----
Dlx3:-----NNNNATTAN-----
Hmx1:-----NNNCRNTTNN-----
CDX1:-----NTTTTATGGCN-----
ISL1:-----SCACTTAN-----
ISL2:-----NCACTTAN-----
CDX2:-----NNTTAYRAYN-----
SPU_026099:-----NTAATTAA-----
```

Stamp Results

09/21/20

GSC:	-----NGGATTAN-----
ARGFX:	-----NCTAATTARN-----
NKX2-3:	-----NNCACTTNNN-----
CAD25284:	-----TTAATTAN-----
NKX2-5:	-----YWCTTNN-----
Phyra73700:	-----NNNNNNNTCAN-----
prd-b:	-----NTRATTRNN-----
ANIA_00885:	-----NNTKACANNN-----
CBG00023:	-----NNNNNATWAN-----
Msx1:	-----NNATTAN-----
Msx2:	-----NNYAATTA-----
Msx3:	NCAATTANNNNSCAATTA-----
CBG00029:	-----TAATTAAT-----
Vax2:	-----NNNNATTAN-----
Vax1:	-----NNNNATTAN-----
YOX1:	-----YNATWWN-----
Hoxd13:	-----NTTTTATTRS-----
Hoxd10:	-----NNNNNNNNN-----
Hoxd11:	-----NNNNNNNNN-----
NKX6-2:	-----NYAATTAN-----
NKX6-3:	-----NTCATTAWN-----
Hoxc9:	-----NTTAATTACN-----
Hoxc8:	-----NNNNNNNNN-----
BARHL2:	-----ANCGTTTAN-----
BARHL1:	-----NCGTTTAN-----
Arx:	-----NTAATTNAATTAN-----
Hoxc5:	-----NNATTNN-----
Hoxc4:	-----NNNNATTAN-----
Hoxc6:	-----RTAATTAA-----
Shox2:	-----NYAATTAN-----
vab-7:	-----MTAATTAA-----
ENSTNIG00000006040:	-----NNNYNATTANNNN-----
lim-4:	-----NNTAATTAR-----
Evx1:	-----NNNNATTAN-----
HOXC4:	-----NTAATTAA-----
Evx2:	-----NNATTANN-----
Isx:	-----NNATTNNN-----
NEMVEDRAFT_v1g136480:	-----NNNNNNNNNN-----
Lhx1:	-----NNNNNATTA-----
Lhx2:	-----NYMATTAN-----
Lhx3:	-----NNATTANN-----
Lhx4:	-----NTAATTAN-----
Lhx5:	-----NNNYAATTA-----

Stamp Results

09/21/20

```

Lhx6: -----NTRATTRN-----
Lhx8: -NTRATTANNNNNTRATTAN-----
GRMZM2G038252: -----NCAATCAN-----
OTX1: -----NGGATTAN-----
OTX2: -----NNTAATCGGATTANN-----
Pknx2: -----TGACAGGTGTCA--
DLX4: -----NCAATTAN-----
DLX5: -----NCAATTAN-----
DLX6: -----NCAATTAN-----
DLX1: -----NYAATTAN-----
DLX2: -----NYAATTAN-----
ATML1: -----NNNANTNANN-----
ceh-37: -----NGGATTAN-----
LMX1A: -----TTAATTAN-----
LMX1B: -----NNNNTAATTAN-----
Gsc: -----NGGATTA-----
achi: -----TGACAN-----
RLT1: -----NANGAANN-----
HOXD12: -----NTTTACGAYN-----
HOXD13: -----GKTTTATTGSS-----
HOXD10: -----NTTTTATKRC-----
HOXD11: -----NTWANNNTTTACGAYN-----
CUP9: -----NTGACACAWN-----
Rax: -----NNAATTANN-----
Scr: -----NYMATTAN-----
VAX2: -----NNATTANN-----
Q4RRY4_TETNG: -----NTRATTRNN-----
Q0ZPQ4_NEMVE: -----CTTCTTAA-----
Q00352_COPCI: -----TGATTGGTT-----
Alx4: -----NTAATYNAATTAN-----
GBX2: -----NYAATTAN-----
GBX1: -----NSYAATTANN-----
kal-1: -----NNNTNNNN-----
HESX1: -----NCYAATTAN-----
AAEL012091: -----NNGATNNNN-----
Pitx2: -----NGGATTAN-----
Pitx3: -----NGGATTAN-----
Pitx1: -----NNGGATTAN-----
scro: -----NCACTYNNN-----
HHEX: -----WTNAATTA-----
PK25011.1: -----NNWTNNNNNN-----
CG32532: -----NTAATNNNATTAN-----
Q0ZPQ8_NEMVE: -----NTGACRNNN-----

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Stamp Results

09/21/20

```

NCU09556:-----TATATTAA-----
MIXL1:-----NNYAATTANN-----
CG4328:-----NWTWATTR-----
CNG03450:-----NNWATTAA-----
bcd:-----NNGGATTANN-----
Q0N4M8_NEMVE:-----GTAATTAN-----
NKX3-2:-----NCCACTTANN-----
NKX3-1:-----NCCACTTANN-----
Irx5:-----NNNNACANN-----
CBG20882:-----NYNATNNNN-----
Irx6:-----NNNANAN-----
Irx2:-----NNNACANN-----
HMX1:-----NCAMTTANN-----
HMX3:-----NNCAMTTANN-----
HMX2:-----NCACTTRNC-----
NEMVEDRAFT_v1g81309:-----NNNNATTAN-----
Cdx1:-----NNYNATWNN-----
inv:-----TAATTARW-----
Cdx2:-----NNYNATWWN-----
hbx10:-----NWWATTRN-----
al:-----TAATNNNATTA-----
RHOXF1:-----GGATNATCN-----
ap:-----TAATTARN-----
ind:-----TAATTARNR-----
Sebox:-----NNTTAATTAN-----
Phox2b:-----NNATTNNN-----
XP_003689450.1:-----NNNANMCNNN-----
Lmx1a:-----NNNATNRN-----
Lmx1b:-----NNATNAN-----
tin:-----NCCACTTGAN-----
ANL2:-----NCATTAATTNN-----
MSX1:-----NCAATTAN-----
MSX2:-----NCAATTAN-----
AGAP006642:-----GGATTANN-----
Meox1:-----NNYMATTAN-----
Meox2:-----NTAATTAN-----
RAX2:-----NYAATTAN-----
SHOX:-----NYAATTAN-----
CBG01820:-----NGGATTAN-----
zen2:-----NTMATTAN-----
NEMVEDRAFT_v1g105595:-----NNAATTAN-----
CG11294:-----TAATNNAATTA-----
Nkx1-2:-----NNNATTANN-----

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Barhl2:  -----NNYNNTTAN-----
HGTX:   -----NTMATTAN-----
dve:    -----NNTAATTAGN-----
Q8I9J5_9BILA: -----NRTWATTANN-----
NOTO:   -----NYAATTAN-----
KLLA0_D10043g: -----NNNNNNNNNN-----

```

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**

PHDP	MA0229.1_inv (E val: 1.9109e-06)
hbn	MA0229.1_inv (E val: 1.1169e-09)
CG5369	MA0194.1_Lim1 (E val: 1.2872e-09)
Optix	MA0229.1_inv (E val: 3.1478e-11)

<u>bsh</u>	MA0229.1_inv (E val: 3.9607e-11)
<u>unc-4</u>	MA0178.1_CG32105 (E val: 1.8305e-08)
<u>Arx</u>	MA0194.1_Lim1 (E val: 1.0070e-08)
<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>ALX1</u>	MA0229.1_inv (E val: 1.5023e-08)

<u>CG32532</u>	MA0232.1_lbl (E val: 5.3536e-07)
<u>al</u>	MA0172.1_CG11294 (E val: 1.2922e-05)
<u>PROPI</u>	MA0188.1_Dr (E val: 2.8776e-09)
<u>Otx1</u>	MA0234.1_oc (E val: 2.4512e-07)
<u>OTX2</u>	MA0234.1_oc (E val: 2.2972e-07)
<u>Prrx1</u>	MA0075.1_Prrx2 (E val: 1.7693e-06)
<u>Dlx5</u>	MA0075.1_Prrx2 (E val: 1.2097e-06)
<u>Alx3</u>	MA0075.1_Prrx2 (E val: 8.5973e-07)

<u>Msx2</u>	MA0075.1_Prrx2 (E val: 1.9540e-06)
<u>Pph13</u>	MA0075.1_Prrx2 (E val: 1.7716e-06)
<u>ALX4</u>	MA0075.1_Prrx2 (E val: 1.8830e-06)
<u>PHOX2A</u>	MA0075.1_Prrx2 (E val: 1.9368e-06)
<u>NEMVEDRAFT v1g105595</u>	MA0075.1_Prrx2 (E val: 2.2012e-06)
<u>Rax</u>	MA0075.1_Prrx2 (E val: 3.8995e-06)
<u>Lhx1</u>	MA0075.1_Prrx2 (E val: 5.0294e-06)
<u>LHX1</u>	MA0426.1_YHP1 (E val: 3.7149e-08)

<u>Lim1</u>	MA0426.1_YHP1 (E val: 4.6222e-08)
<u>PHOX2B</u>	MA0426.1_YHP1 (E val: 5.2955e-08)
<u>ESX1</u>	MA0426.1_YHP1 (E val: 9.7762e-08)
<u>OdsH</u>	MA0426.1_YHP1 (E val: 2.3854e-08)
<u>otp</u>	MA0426.1_YHP1 (E val: 2.8789e-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>EN1</u>	MA0426.1_YHP1 (E val: 3.7473e-08)
<u>Vsx1</u>	MA0426.1_YHP1 (E val: 1.3173e-08)

<u>MSX1</u>	MA0426.1_YHP1 (E val: 1.1714e-08)
<u>MSX2</u>	MA0426.1_YHP1 (E val: 1.1888e-08)
<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>Dr</u>	MA0426.1_YHP1 (E val: 2.9088e-08)
<u>SNAPOd2T00006620001</u>	MA0426.1_YHP1 (E val: 5.3836e-08)
<u>DLX3</u>	MA0232.1_lbl (E val: 1.1929e-07)

<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>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>CG11085</u>	MA0426.1_YHP1 (E val: 2.0173e-08)
<u>Hmx</u>	MA0426.1_YHP1 (E val: 4.3245e-08)
<u>AAZ08039</u>	MA0426.1_YHP1 (E val: 2.2824e-07)
<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>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>tup</u>	MA0248.1_tup (E val: 2.1446e-11)
<u>LHX4</u>	MA0232.1_lbl (E val: 1.2360e-07)
<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>O9GP48_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>Esx1</u>	MA0232.1_lbl (E val: 3.5689e-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>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>Lhx3</u>	MA0232.1_lbl (E val: 6.3907e-08)
<u>uncx</u>	MA0232.1_lbl (E val: 9.0879e-08)
<u>Lhx5</u>	MA0232.1_lbl (E val: 7.9458e-08)
<u>zfhx4</u>	MA0232.1_lbl (E val: 5.4071e-08)
<u>Q4RRY4 TETNG</u>	MA0232.1_lbl (E val: 2.1430e-07)

<u>Hoxa1</u>	MA0232.1_lbl (E val: 3.8787e-08)
<u>HOXA1</u>	MA0232.1_lbl (E val: 1.4927e-07)
<u>prd-b</u>	MA0232.1_lbl (E val: 7.3149e-07)
<u>Lhx6</u>	MA0232.1_lbl (E val: 1.2291e-06)
<u>ceh-23</u>	MA0232.1_lbl (E val: 1.3081e-07)
<u>Alx1</u>	MA0232.1_lbl (E val: 1.4374e-07)
<u>MIXL1</u>	MA0232.1_lbl (E val: 2.4876e-07)
<u>En2</u>	MA0232.1_lbl (E val: 6.0426e-08)

<u>slou</u>	MA0232.1_lbl (E val: 1.4101e-07)
<u>GSX1</u>	MA0232.1_lbl (E val: 6.6879e-08)
<u>HOXB2</u>	MA0232.1_lbl (E val: 1.5599e-08)
<u>NOTO</u>	MA0232.1_lbl (E val: 1.6063e-08)
<u>HOXB7</u>	MA0232.1_lbl (E val: 1.8210e-08)
<u>NKX6-2</u>	MA0232.1_lbl (E val: 1.8473e-08)
<u>Ubx</u>	MA0232.1_lbl (E val: 1.5127e-08)
<u>PDX1</u>	MA0232.1_lbl (E val: 1.1612e-08)

<u>HOXA2</u>	MA0232.1_lbl (E val: 8.6640e-09)
<u>Lhx2</u>	MA0232.1_lbl (E val: 9.1589e-09)
<u>HGTX</u>	MA0232.1_lbl (E val: 6.2738e-09)
<u>HOXB5</u>	MA0232.1_lbl (E val: 5.6550e-08)
<u>HOXA7</u>	MA0232.1_lbl (E val: 1.0318e-07)
<u>HOXD4</u>	MA0232.1_lbl (E val: 6.8867e-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>HOXA5</u>	MA0223.1_exex (E val: 3.9288e-10)
<u>Q0N4M8 NEMVE</u>	MA0223.1_exex (E val: 2.3856e-09)
<u>HOXA6</u>	MA0223.1_exex (E val: 8.5000e-08)
<u>abd-A</u>	MA0223.1_exex (E val: 1.9332e-08)
<u>HOXA4</u>	MA0232.1_lbl (E val: 8.1005e-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>Hoxd3</u>	MA0232.1_lbl (E val: 1.0207e-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>GSX2</u>	MA0232.1_lbl (E val: 8.5976e-09)
<u>MEOX1</u>	MA0223.1_exex (E val: 5.9674e-09)

<u>VSX2</u>	MA0241.1_ro (E val: 2.7339e-11)
<u>ARX</u>	MA0241.1_ro (E val: 3.0360e-11)
<u>ISX</u>	MA0241.1_ro (E val: 8.0527e-11)
<u>VENTX</u>	MA0241.1_ro (E val: 9.6463e-11)
<u>EMX2</u>	MA0241.1_ro (E val: 2.5200e-11)
<u>ro</u>	MA0241.1_ro (E val: 1.2763e-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>HESX1</u>	MA0188.1_Dr (E val: 1.7446e-09)
<u>exex</u>	MA0198.1_OdsH (E val: 1.1913e-08)
<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>Antp</u>	MA0166.1_Antp (E val: 1.2763e-11)
<u>C15</u>	MA0170.1_C15 (E val: 1.2763e-11)
<u>Q24780 9CNID</u>	MA0194.1_Lim1 (E val: 7.3681e-10)
<u>Q0N4F9 NEMVE</u>	MA0180.1_Vsx2 (E val: 1.1622e-12)

<u>P79681_ACIBE</u>	MA0180.1_Vsx2 (E val: 6.4537e-13)
<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_vlg164989</u>	MA0180.1_Vsx2 (E val: 7.4326e-12)
<u>ARGFX</u>	MA0180.1_Vsx2 (E val: 1.2971e-10)
<u>vsx2</u>	MA0180.1_Vsx2 (E val: 3.4137e-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>repo</u>	MA0240.1_repo (E val: 2.8598e-10)
<u>CNK00090</u>	MA0240.1_repo (E val: 2.3502e-11)
<u>HOXC4</u>	MA0240.1_repo (E val: 2.0401e-11)
<u>CAD25284</u>	MA0194.1_Lim1 (E val: 1.5897e-11)
<u>LMX1A</u>	MA0172.1_CG11294 (E val: 1.7100e-11)
<u>Tlx2</u>	MA0194.1_Lim1 (E val: 2.7621e-10)

<u>ventx3.2</u>	MA0194.1_Lim1 (E val: 1.7841e-11)
<u>CBG00029</u>	MA0194.1_Lim1 (E val: 1.6173e-11)
<u>HHEX</u>	MA0172.1_CG11294 (E val: 2.1773e-10)
<u>ENSCING00000016045</u>	MA0180.1_Vsx2 (E val: 5.3273e-10)
<u>RAX</u>	MA0202.1_Rx (E val: 5.1507e-11)
<u>inv</u>	MA0229.1_inv (E val: 6.5503e-15)
<u>ap</u>	MA0209.1_ap (E val: 1.2763e-11)
<u>lim-4</u>	MA0181.1_Vsx1 (E val: 9.2564e-11)

<u>ind</u>	MA0228.1_ind (E val: 7.6496e-11)
<u>Sebox</u>	MA0194.1_Lim1 (E val: 2.5830e-10)
<u>mix11.S</u>	MA0194.1_Lim1 (E val: 6.0393e-10)
<u>C4B866 NEMVE</u>	MA0194.1_Lim1 (E val: 1.2649e-09)
<u>CAD26261</u>	MA0178.1_CG32105 (E val: 2.6988e-08)
<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>ZFHX2</u>	MA0232.1_lbl (E val: 2.6731e-07)
<u>btn</u>	MA0232.1_lbl (E val: 7.5444e-08)
<u>LMX1B</u>	MA0232.1_lbl (E val: 2.8185e-07)
<u>SNAPOd2T00006145001</u>	MA0232.1_lbl (E val: 2.6419e-06)
<u>HMX3</u>	MA0426.1_YHP1 (E val: 2.8398e-07)
<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>ENSTNIG00000006040</u>	MA0426.1_YHP1 (E val: 8.7845e-07)
<u>CBG04010</u>	MA0206.1_abd-A (E val: 7.7487e-06)
<u>CNG03450</u>	MA0444.1_CG34031 (E val: 7.7102e-07)
<u>HDG11</u>	MA0151.1_ARID3A (E val: 3.6185e-06)

<u>ANL2</u>	MA0206.1_abd-A (E val: 4.3694e-06)
<u>ATML1</u>	MA0186.1_Dfd (E val: 8.4622e-05)
<u>Dfd</u>	MA0232.1_lbl (E val: 1.7692e-06)
<u>zen</u>	MA0232.1_lbl (E val: 7.9820e-08)
<u>zen2</u>	MA0232.1_lbl (E val: 2.1091e-08)
<u>NKX6-3</u>	MA0215.1_btn (E val: 3.0070e-09)
<u>HNF1B</u>	MA0153.1_HNF1B (E val: 5.5378e-13)
<u>HNF1A</u>	MA0153.1_HNF1B (E val: 6.3727e-14)

<u>ATHB-16</u>	MA0008.1_HAT5 (E val: 1.8398e-09)
<u>NANOG</u>	MA0214.1_bsh (E val: 1.0306e-04)
<u>NEMVEDRAFT_v1g113057</u>	MA0212.1_bcd (E val: 2.6743e-08)
<u>HBX4 ECHGR</u>	MA0190.1_Gsc (E val: 3.2658e-08)
<u>oc</u>	MA0212.1_bcd (E val: 3.8618e-09)
<u>GSC</u>	MA0234.1_oc (E val: 3.9560e-09)
<u>Gsc</u>	MA0234.1_oc (E val: 9.9606e-10)
<u>Q8VHG7 MOUSE</u>	MA0201.1_Ptx1 (E val: 2.4983e-10)

<u>PITX1</u>	MA0234.1_oc (E val: 3.8797e-09)
<u>CBG01820</u>	MA0212.1_bcd (E val: 3.9289e-09)
<u>PITX3</u>	MA0234.1_oc (E val: 3.7633e-09)
<u>OTX1</u>	MA0234.1_oc (E val: 3.7603e-09)
<u>Ptx1</u>	MA0234.1_oc (E val: 5.0663e-09)
<u>Pitx2</u>	MA0234.1_oc (E val: 4.9980e-09)
<u>Pitx3</u>	MA0234.1_oc (E val: 6.8909e-09)
<u>PITX2</u>	MA0234.1_oc (E val: 7.9895e-09)

<u>DMBX1</u>	MA0234.1_oc (E val: 8.8704e-09)
<u>ceh-53</u>	MA0190.1_Gsc (E val: 4.6874e-09)
<u>ceh-37</u>	MA0190.1_Gsc (E val: 4.0372e-09)
<u>AGAP006642</u>	MA0190.1_Gsc (E val: 4.0356e-09)
<u>Pitx1</u>	MA0234.1_oc (E val: 1.8154e-08)
<u>Dobox5 CONSTRUCT</u>	MA0190.1_Gsc (E val: 2.6002e-08)
<u>Obox6</u>	MA0190.1_Gsc (E val: 2.0177e-08)
<u>Obox1</u>	MA0190.1_Gsc (E val: 3.5326e-08)

<u>DPRX</u>	MA0190.1_Gsc (E val: 2.8082e-08)
<u>RHOXF1</u>	MA0234.1_oc (E val: 4.4835e-08)
<u>CRX</u>	MA0212.1_bcd (E val: 2.6743e-08)
<u>bcd</u>	MA0234.1_oc (E val: 5.4501e-08)
<u>ceh-36</u>	MA0234.1_oc (E val: 2.6099e-05)
<u>Otx2</u>	MA0234.1_oc (E val: 2.8635e-05)
<u>Crx</u>	MA0234.1_oc (E val: 2.9955e-05)
<u>Dmbx1</u>	MA0234.1_oc (E val: 4.4797e-05)

<u>dharm</u>	MA0234.1_oc (E val: 4.8065e-04)
<u>LHX6</u>	MA0235.1_onecut (E val: 2.8624e-04)
<u>Duxbl1</u>	MA0235.1_onecut (E val: 4.4831e-04)
<u>WOX13</u>	MA0070.1_PBX1 (E val: 5.5638e-06)
<u>PBX1</u>	MA0070.1_PBX1 (E val: 1.9530e-07)
<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>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>ENSTNIG00000017092</u>	MA0235.1_onecut (E val: 1.9058e-05)
<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>Lhx6_CONSTRUCT</u>	MA0075.1_Prrx2 (E val: 2.2088e-04)
<u>Cphx1</u>	MA0235.1_onecut (E val: 1.1410e-03)
<u>ATHB-6</u>	MA0110.1_ATHB-5 (E val: 6.6140e-05)
<u>Q9C1N5_COPSC</u>	MA0037.1_GATA3 (E val: 5.0444e-03)
<u>AAEL012091</u>	MA0212.1_bcd (E val: 1.3723e-02)
<u>BARX1</u>	MA0151.1_ARID3A (E val: 1.2246e-06)
<u>Msx3</u>	MA0192.1_Hmx (E val: 1.0690e-08)

<u>Q0ZPQ4_NEMVE</u>	MA0127.1_PEND (E val: 1.6660e-08)
<u>TLX3</u>	MA0188.1_Dr (E val: 1.1926e-03)
<u>Lhx8</u>	MA0198.1_OdsH (E val: 9.5457e-08)
<u>ventx1.1.L</u>	MA0075.1_Prrx2 (E val: 1.2557e-02)
<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>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>LHX2</u>	MA0075.1_Prrx2 (E val: 8.0794e-03)
<u>Q0N4H9 NEMVE</u>	MA0075.1_Prrx2 (E val: 2.6414e-02)
<u>NEMVEDRAFT v1g129868</u>	MA0075.1_Prrx2 (E val: 5.9220e-03)
<u>NEMVEDRAFT v1g136480</u>	MA0094.1_Ubx (E val: 7.7218e-03)
<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>Msx1</u>	MA0094.1_Ubx (E val: 1.2509e-03)
<u>Hoxc5</u>	MA0094.1_Ubx (E val: 1.3094e-03)
<u>POU5F1B</u>	MA0075.1_Prrx2 (E val: 3.0457e-03)
<u>Dlx4</u>	MA0075.1_Prrx2 (E val: 2.1990e-03)
<u>E5</u>	MA0075.1_Prrx2 (E val: 1.9975e-03)
<u>Isx</u>	MA0094.1_Ubx (E val: 2.0861e-03)

<u>Q6WL90 TRICY</u>	MA0075.1_Prrx2 (E val: 1.9260e-03)
<u>VAX2</u>	MA0075.1_Prrx2 (E val: 2.0276e-03)
<u>Pdx1</u>	MA0094.1_Ubx (E val: 2.5080e-03)
<u>Rhox6</u>	MA0094.1_Ubx (E val: 2.0443e-03)
<u>Evx2</u>	MA0075.1_Prrx2 (E val: 2.3487e-03)
<u>Otp</u>	MA0075.1_Prrx2 (E val: 2.0878e-03)
<u>Phox2a</u>	MA0094.1_Ubx (E val: 2.1722e-03)
<u>Phox2b</u>	MA0075.1_Prrx2 (E val: 2.3015e-03)

<u>Obox5</u>	MA0094.1_Ubx (E val: 2.4391e-03)
<u>Barx2</u>	MA0094.1_Ubx (E val: 3.1310e-03)
<u>Vax1</u>	MA0075.1_Prrx2 (E val: 3.3455e-03)
<u>Dlx3</u>	MA0075.1_Prrx2 (E val: 3.2354e-03)
<u>barx1</u>	MA0075.1_Prrx2 (E val: 3.1848e-03)
<u>Vax2</u>	MA0075.1_Prrx2 (E val: 3.3359e-03)
<u>Hoxb3</u>	MA0075.1_Prrx2 (E val: 3.1781e-03)
<u>Hoxa5</u>	MA0094.1_Ubx (E val: 3.3308e-03)

<u>Hoxb4</u>	MA0094.1_Ubx (E val: 3.3626e-03)
<u>Hoxc4</u>	MA0094.1_Ubx (E val: 3.5159e-03)
<u>Evx1</u>	MA0075.1_Prrx2 (E val: 3.1475e-03)
<u>Hoxa4</u>	MA0094.1_Ubx (E val: 3.2531e-03)
<u>Gsx2</u>	MA0075.1_Prrx2 (E val: 3.0869e-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>Nkx6-1</u>	MA0075.1_Prrx2 (E val: 3.4714e-03)

<u>NEMVEDRAFT_v1g81309</u>	MA0075.1_Prrx2 (E val: 3.3645e-03)
<u>Bsx</u>	MA0075.1_Prrx2 (E val: 3.4670e-03)
<u>Lbx2</u>	MA0094.1_Ubx (E val: 5.3979e-03)
<u>ceh-5</u>	MA0075.1_Prrx2 (E val: 3.4502e-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>Nobox</u>	MA0094.1_Ubx (E val: 4.8980e-03)
<u>Meox1</u>	MA0075.1_Prrx2 (E val: 4.5297e-03)

<u>Nanog</u>	MA0075.1_Prrx2 (E val: 4.5812e-03)
<u>CBG20882</u>	MA0094.1_Ubx (E val: 4.1346e-03)
<u>Hoxb8</u>	MA0094.1_Ubx (E val: 6.4583e-03)
<u>Hoxb6</u>	MA0094.1_Ubx (E val: 2.5913e-03)
<u>Hoxb7</u>	MA0094.1_Ubx (E val: 3.4932e-03)
<u>Hoxd8</u>	MA0094.1_Ubx (E val: 4.7931e-03)
<u>Hoxa7</u>	MA0094.1_Ubx (E val: 5.6775e-03)
<u>YOX1</u>	MA0094.1_Ubx (E val: 1.1609e-02)

<u>Hoxa6</u>	MA0094.1_Ubx (E val: 3.7532e-03)
<u>Hoxc8</u>	MA0094.1_Ubx (E val: 8.9132e-03)
<u>Barx1</u>	MA0094.1_Ubx (E val: 4.4172e-03)
<u>Hoxa3</u>	MA0075.1_Prrx2 (E val: 4.2577e-03)
<u>Mnx1</u>	MA0075.1_Prrx2 (E val: 4.4611e-03)
<u>ZHD7</u>	MA0075.1_Prrx2 (E val: 5.0331e-03)
<u>Nkx1-1</u>	MA0075.1_Prrx2 (E val: 4.6337e-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>Prop1</u>	MA0075.1_Prrx2 (E val: 1.9940e-03)
<u>En1</u>	MA0075.1_Prrx2 (E val: 2.1945e-03)
<u>UNCX</u>	MA0075.1_Prrx2 (E val: 1.8805e-03)
<u>Noto</u>	MA0075.1_Prrx2 (E val: 6.3461e-03)
<u>yox1</u>	MA0075.1_Prrx2 (E val: 7.7965e-03)
<u>Q0N4H7 NEMVE</u>	MA0094.1_Ubx (E val: 2.9184e-02)

<u>NOBOX</u>	MA0426.1_YHP1 (E val: 3.2827e-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>pha-2</u>	MA0426.1_YHP1 (E val: 4.0154e-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>Hoxc13</u>	MA0165.1_Abd-B (E val: 1.2421e-03)
<u>Hoxb13</u>	MA0165.1_Abd-B (E val: 1.5614e-03)
<u>Hoxa13</u>	MA0165.1_Abd-B (E val: 9.6505e-04)
<u>HOXC13</u>	MA0216.1_cad (E val: 1.0465e-08)
<u>HOXA13</u>	MA0216.1_cad (E val: 2.1130e-08)
<u>HOXD13</u>	MA0216.1_cad (E val: 3.3250e-08)
<u>HOXB13</u>	MA0216.1_cad (E val: 1.6334e-08)
<u>Hoxd13</u>	MA0216.1_cad (E val: 3.4315e-10)

<u>Hoxd9</u>	MA0165.1_Abd-B (E val: 4.1215e-07)
<u>HOXC12</u>	MA0216.1_cad (E val: 4.7854e-09)
<u>hoxd13a</u>	MA0216.1_cad (E val: 8.3883e-11)
<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>HOXC10</u>	MA0216.1_cad (E val: 2.9939e-09)

<u>ceh-90</u>	MA0393.1_STE12 (E val: 1.3427e-03)
<u>HOXB9</u>	MA0165.1_Abd-B (E val: 2.2251e-06)
<u>Hoxc10</u>	MA0165.1_Abd-B (E val: 2.4823e-08)
<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>Hoxc12</u>	MA0151.1_ARID3A (E val: 3.9486e-02)
<u>Hoxd12 CONSTRUCT</u>	MA0151.1_ARID3A (E val: 4.2453e-02)
<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>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>Hoxa10</u>	MA0307.1_GLN3 (E val: 8.7847e-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>Cdx2</u>	MA0307.1_GLN3 (E val: 8.2090e-03)
<u>Cdx1</u>	MA0307.1_GLN3 (E val: 7.8786e-03)
<u>BSX</u>	MA0217.1_caup (E val: 4.8362e-03)
<u>PRRX2</u>	MA0186.1_Dfd (E val: 2.6340e-03)
<u>HMBOX1</u>	MA0231.1_lbe (E val: 4.3822e-07)
<u>lbe</u>	MA0186.1_Dfd (E val: 4.2043e-04)

<u>LBX2</u>	MA0186.1_Dfd (E val: 5.8346e-08)
<u>Hnf1b</u>	MA0217.1_caup (E val: 4.2044e-03)
<u>Hnf1a</u>	MA0217.1_caup (E val: 2.6865e-03)
<u>ceh-57</u>	MA0217.1_caup (E val: 6.2734e-03)
<u>Hmbox1</u>	MA0231.1_lbe (E val: 9.7179e-02)
<u>MTR_2g038000</u>	MA0132.1_Pdx1 (E val: 2.8654e-02)
<u>ceh-24</u>	MA0211.1_bap (E val: 5.8321e-02)
<u>ENSCING00000007395</u>	MA0211.1_bap (E val: 3.0174e-02)

<u>ceh-22</u>	MA0211.1_bap (E val: 4.4240e-08)
<u>vnd</u>	MA0253.1_vnd (E val: 1.1102e-16)
<u>tin</u>	MA0264.1_ceh-22 (E val: 3.1586e-09)
<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>NKX2-3</u>	MA0211.1_bap (E val: 1.0660e-03)
<u>Nkx2-9</u>	MA0211.1_bap (E val: 1.9645e-03)
<u>Nkx2-3</u>	MA0211.1_bap (E val: 9.1394e-04)
<u>Nkx2-1</u>	MA0211.1_bap (E val: 9.7504e-04)
<u>NKX2-5</u>	MA0211.1_bap (E val: 7.6109e-05)

<u>NKX2-8</u>	MA0211.1_bap (E val: 2.4048e-03)
<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>Nkx2-5</u>	MA0211.1_bap (E val: 1.5526e-03)
<u>Nkx2-4</u>	MA0211.1_bap (E val: 2.2018e-03)
<u>Nkx3-1</u>	MA0211.1_bap (E val: 8.3180e-04)
<u>Q70HR3_PLEPI</u>	MA0124.1_NKX3-1 (E val: 1.7532e-06)

<u>Six6</u>	MA0246.1_so (E val: 1.1002e-02)
<u>six3</u>	MA0246.1_so (E val: 5.1282e-02)
<u>XP_003689450.1</u>	MA0036.1_GATA2 (E val: 5.8039e-02)
<u>SIX6</u>	MA0199.1_Optix (E val: 1.5619e-05)
<u>SIX3</u>	MA0246.1_so (E val: 4.5416e-07)
<u>Six3</u>	MA0199.1_Optix (E val: 3.4735e-03)
<u>PRH_PETCR</u>	MA0345.1_NHP6A (E val: 4.6352e-09)
<u>NCU09556</u>	MA0379.1_SIG1 (E val: 2.9552e-06)

<u>hbx2</u>	MA0379.1_SIG1 (E val: 6.3617e-06)
<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>Pknox1</u>	MA0227.1_hth (E val: 7.0473e-03)
<u>unc-62</u>	MA0207.1_achi (E val: 1.5344e-02)
<u>ATEG 00670</u>	MA0227.1_hth (E val: 3.4042e-02)
<u>IRX2</u>	MA0207.1_achi (E val: 6.9992e-04)
<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>hbx9</u>	MA0288.1_CUP9 (E val: 9.3246e-06)
<u>CUP9</u>	MA0288.1_CUP9 (E val: 3.7091e-11)
<u>exd</u>	MA0222.1_exd (E val: 2.5740e-10)
<u>Meis1</u>	MA0252.1_vis (E val: 4.1357e-05)

<u>Tgif2</u>	MA0227.1_hth (E val: 6.9961e-05)
<u>Tgif1</u>	MA0227.1_hth (E val: 6.8698e-05)
<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>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>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>IRX5</u>	MA0328.1_MATALPHA2 (E val: 3.9553e-05)
<u>caup</u>	MA0217.1_caup (E val: 1.6159e-06)
<u>CG11617</u>	MA0173.1_CG11617 (E val: 1.4526e-07)
<u>Rhox8</u>	MA0392.1_STB5 (E val: 2.3740e-05)
<u>ara</u>	MA0210.1_ara (E val: 1.6159e-06)
<u>AGAP009986</u>	MA0210.1_ara (E val: 2.8411e-02)
<u>Irx5</u>	MA0210.1_ara (E val: 1.3053e-02)
<u>Irx6</u>	MA0210.1_ara (E val: 5.7942e-03)

<u>Irx2</u>	MA0210.1_ara (E val: 1.6628e-02)
<u>Rhox11</u>	MA0210.1_ara (E val: 2.0801e-02)
<u>SNAPOd2T00005194001</u>	MA0328.1_MATALPHA2 (E val: 1.7656e-04)
<u>ATHB-4</u>	MA0254.1_vvl (E val: 8.1236e-04)
<u>PK24181.1</u>	MA0227.1_hth (E val: 4.3791e-02)
<u>pbx4</u>	MA0235.1_onecut (E val: 3.6885e-04)
<u>TVAG 451170</u>	MA0246.1_so (E val: 1.2975e-03)
<u>TOS8</u>	MA0018.2_CREB1 (E val: 8.6372e-07)

<u>PBX4</u>	MA0204.1_Six4 (E val: 3.4604e-02)
<u>CBG10835</u>	MA0199.1_Optix (E val: 1.5682e-02)
<u>Phyra73700</u>	MA0199.1_Optix (E val: 1.5829e-02)
<u>KNAT6</u>	MA0207.1_achi (E val: 1.6623e-02)
<u>Q0ZPQ8 NEMVE</u>	MA0207.1_achi (E val: 1.1053e-02)
<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>ATHB-12</u>	MA0089.1_NFE2L1_MafG (E val: 2.0267e-01)

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MA0210.1_ara
(E val: 7.5942e-02)

Motif Similarity Matches

PHDP

*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0229.1_inv	1.9109e-06	NTAATNNNATTAN ----WYTAATTA-	

hbn

*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0229.1_inv	1.1169e-09	NTAATTTAATTAN ----WYTAATTA-	

CG5369

forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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MA0194.1_Lim1	1.2872e-09	TAATTNNATTA TAATTAA----	
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Optix*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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MA0229.1_inv	3.1478e-11	TAATTARATTA TAATTARW---	
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bsh*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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MA0229.1_inv	3.9607e-11	TAATTARATTA TAATTARW---	
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unc-4*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0178.1_CG32105	1.8305e-08	TAATTNAATTA TAATTAA----	

Arx

		<i>forward</i>	<i>reverse compliment</i>		
<i>Name</i>	<i>E value</i>	<i>Alignment</i>		<i>Motif</i>	
MA0194.1_Lim1	1.0070e-08	NTAATTNAATTAN -TAATTAA-----			

Uncx

		<i>forward</i>	<i>reverse compliment</i>		
<i>Name</i>	<i>E value</i>	<i>Alignment</i>		<i>Motif</i>	
MA0172.1_CG11294	3.7957e-09	NTAATTNRATTAN -TAATTAA-----			

Alx4

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

CG2808

forward *reverse compliment*

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

CG11294

forward *reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0229.1_inv	6.6941e-10	TAATNNAATTA ---WYTAATTA	

ALX1

forward *reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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MA0229.1_inv 1.5023e-08

NTAAYNYAATTAN
----WYTAATTA-

CG32532*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0232.1_lbl

5.3536e-07

NTAATNNNATTAN
-----TMATTA-

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

MA0172.1_CG11294 1.2922e-05

TAATNNNATTA
TAATTAA----

PROP1*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0188.1_Dr 2.8776e-09

NAAYNNAATTA
-----CCAATTA

Otx1*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0234.1_oc

2.4512e-07

NNTAATCCGATTANN
--TAATCC-----

OTX2*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0234.1_oc

2.2972e-07

NNTAATCGGATTANN
-----GGATTA--

Prrx1*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0075.1_Prrx2 1.7693e-06

TAATTNNN
TAATT---

Dlx5*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0075.1_Prrx2 1.2097e-06

WAATNNN
TAATT--

Alx3*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0075.1_Prrx2 8.5973e-07

TAATNNN
TAATT--

Msx2*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0075.1_Prrx2 1.9540e-06

TAATTRNN
TAATT---

Pph13*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0075.1_Prrx2 1.7716e-06

NTAATTRN
-TAATT--

ALX4*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0075.1_Prrx2 1.8830e-06

NTAATTRN
-TAATT--

PHOX2A*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0075.1_Prrx2 1.9368e-06

NTAATTNN
-TAATT--

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

MA0075.1_Prrx2 2.2012e-06

NTAATTNN
-TAATT--

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

MA0075.1_Prrx2 3.8995e-06

NNTAATTNN
--TAATT--

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

MA0075.1_Prrx2 5.0294e-06

TAATNNNNN
TAATT----

LHX1

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0426.1_YHP1	3.7149e-08	NYNATTAN -CAATTA-	

Lim1

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0426.1_YHP1	4.6222e-08	NYAATTAN -CAATTA-	

PHOX2B

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

MA0426.1_YHP1 5.2955e-08

NYAATTAN
-CAATTA-

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

MA0426.1_YHP1 9.7762e-08

NYAATTAN
-CAATTA-

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

MA0426.1_YHP1 2.3854e-08

NYAATTAN
-CAATTA-

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

MA0426.1_YHP1 2.8789e-08

NYAATTAN
-CAATTA-

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

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

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

MA0426.1_YHP1 2.5179e-08

NYAATTAN
-CAATTA-

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

MA0426.1_YHP1 3.7473e-08

NYAATTAN
-CAATTA-

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

MA0426.1_YHP1 1.3173e-08

NCAATTAN
-CAATTA-

MSX1*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0426.1_YHP1 1.1714e-08

NCAATTAN
-CAATTA-

MSX2*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0426.1_YHP1 1.1888e-08

NCAATTAN
-CAATTA-

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-

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

MA0426.1_YHP1 2.9088e-08

NNYAATTA
--CAATTA

SNAPOd2T00006620001*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0426.1_YHP1 5.3836e-08

NTAATTRN
-TAATTG-

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-	

SHOX2

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0232.1_lbl	1.2365e-07	NYAATTAN -TMATTA-	

Shox2

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0232.1_lbl	9.8309e-08	NYAATTAN -TMATTA-	

TLX2

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0232.1_lbl	8.2750e-08	NYAATTAN -TMATTA-	

DLX2

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

ceh-54

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0426.1_YHP1	3.0546e-07	NNYAATTAN --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 2.9462e-07

NNYAATTANN
--CAATTA--

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

MA0426.1_YHP1 3.9716e-07

NNYAATTANN
--CAATTA--

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-

AAZ08039*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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MA0426.1_YHP1 2.2824e-07

NNTAATTRNN
--TAATTG--

GBX1*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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MA0232.1_lbl 4.9552e-07

NSYAATTANN
--TMATTA--

CG9876*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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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--

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*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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MA0196.1_NK7.1 1.9654e-08

NYNATTWNNN
-CAATTAA--

tup*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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MA0248.1_tup 2.1446e-11

SWTAATKG
-WTAATKG

LHX4*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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MA0232.1_lbl 1.2360e-07

NTAATTAN
-TMATTA-

EMX1*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0232.1_lbl 1.3018e-08

NTAATTAN
-TMATTA-

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

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

MA0232.1_lbl

2.0476e-08

NTAATTAN
-TMATTA-

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-

Esx1*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0232.1_lbl

3.5689e-08

NNTAATTN
--TMATTA

MNX1*forward**reverse compliment**Name**E value**Alignment**Motif*

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-

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-

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

MA0232.1_lbl

6.3907e-08

NNATTANNN
TAATKA---

uncx

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0232.1_lbl	9.0879e-08	NNTAATTRN --TAATKA-	

Lhx5

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0232.1_lbl	7.9458e-08	NNNYAATTA ---TMATTA	

zfhx4

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

MA0232.1_lbl 5.4071e-08

NYAATTANN
-TMATTA--

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

MA0232.1_lbl

2.1430e-07

NNYAATYAN
--TMATTA-

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

MA0232.1_lbl

3.8787e-08

NNYNATTNN
--TMATTA-

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

MA0232.1_lbl 1.4927e-07

NNTAATTANN
--TAATKA--

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

MA0232.1_lbl

7.3149e-07

NTRATTRNN
-TAATKA--

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

MA0232.1_lbl

1.2291e-06

NYAATYAN
-TMATTA-

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

MA0232.1_lbl 1.3081e-07

NTAATTANNN
-TAATKA---

Alx1*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0232.1_lbl

1.4374e-07

NNTAATTANN
--TMATTA--

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

MA0232.1_lbl

2.4876e-07

NNYAATTANN
--TMATTA--

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

MA0232.1_lbl 6.0426e-08

NSTAATTANN
--TMATTA--

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

MA0232.1_lbl

1.4101e-07

NNYAATTANN
--TMATTA--

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

MA0232.1_lbl

6.6879e-08

NTMATNAN
-TAATKA-

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-

HOXB7*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0232.1_lbl

1.8210e-08

NYAATTAN
-TMATTA-

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

MA0232.1_lbl 1.8473e-08

NTAATTRN
-TAATKA-

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

MA0232.1_lbl

1.5127e-08

NYAATTAN
-TMATTA-

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

MA0232.1_lbl

1.1612e-08

YTAATKAN
-TAATKA-

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

MA0232.1_lbl

8.6640e-09

NTAATTAN
-TMATTA-

Lhx2

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0232.1_lbl	9.1589e-09	NYMATTAN -TMATTA-	

HGTX

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0232.1_lbl	6.2738e-09	NTMATTAN -TMATTA-	

HOXB5

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

MA0232.1_lbl 5.6550e-08

NYMATTAN
-TMATTA-

HOXA7*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0232.1_lbl

1.0318e-07

NTAATKRN
-TAATKA-

HOXD4*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0232.1_lbl

6.8867e-08

NYMATTAN
-TMATTA-

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

MA0232.1_lbl

4.3130e-08

NYMATTAN
-TMATTA-

HOXB8

	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0232.1_lbl	1.3096e-07	NTAATKRC -TAATKA-	

HOXD8

	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0232.1_lbl	2.2035e-07	NTAATKRC -TAATKA-	

HOXB6

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

MA0232.1_lbl 3.1744e-08

GYMATTAN
-TMATTA-

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-

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

MA0223.1_exex 8.5000e-08

NNTAATKRCN
--TAATTAN-

abd-A

		<i>forward</i>	<i>reverse compliment</i>
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0223.1_exex	1.9332e-08	NGTAATTANN -NTAATTA--	

HOXA4

		<i>forward</i>	<i>reverse compliment</i>
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0232.1_lbl	8.1005e-08	NTAATKAY -TAATKA-	

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*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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MA0232.1_lbl 5.6179e-08

NNYMATTANN
--TMATTA--

NEMVEDRAFT_v1g8907*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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MA0232.1_lbl 1.4668e-07

NTAATKRNNN
-TAATKA---

Hoxd3*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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MA0232.1_lbl 1.0207e-07

NNYAATTANN
--TMATTA--

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

MA0232.1_lbl

8.5976e-09

NTAATKRS
-TAATKA-**MEOX1***forward**reverse compliment**Name**E value**Alignment**Motif*

MA0223.1_exex

5.9674e-09

NNTAATTASN
--TAATTAN-**VSX2***forward**reverse compliment**Name**E value**Alignment**Motif*

MA0241.1_ro

2.7339e-11

NTAATTAG
-TAATTAR

ARX

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0241.1_ro	3.0360e-11	YTAATTAN YTAATTA-	

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-	

VENTX

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

MA0241.1_ro 9.6463e-11

CTAATTAN
YTAATTA-

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-

LBX1*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0241.1_ro 4.2517e-10

NTAATTAG
-TAATTAR

pdm3*forward**reverse compliment**Name**E value**Alignment**Motif*

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-

HESX1*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0188.1_Dr

1.7446e-09

NTAATTRGN
-TAATTGG-

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

MA0198.1_OdsH 1.1913e-08

NNNNYAATTNNCNN
----YAATTAR---

pal-1

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0448.1_H2.0	2.2106e-10	TTWATTAC NTWATNA-	

hox12

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0174.1_CG42234	1.3600e-10	GTMATWAA -TMATWAA	

HXD12_HETFR

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

MA0166.1_Antp 1.2763e-11

TMATTAAR
TMATTAA-**C15***forward**reverse compliment**Name**E value**Alignment**Motif*

MA0170.1_C15 1.2763e-11

NTTAAWKR
-TTAAWKR

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--	

Q0N4F9_NEMVE

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0180.1_Vsx2	1.1622e-12	MTAATTAN- CTAATTAAM	

P79681_ACIBE

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

MA0180.1_Vsx2 6.4537e-13

NTAATTAA-
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**Name**E value**Alignment**Motif*

MA0180.1_Vsx2 7.4326e-12

CTAATTAR-
CTAATTAAM

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

MA0180.1_Vsx2 1.2971e-10

NCTAATTARN
-CTAATTAAM

vsx2

		<i>forward</i>	<i>reverse compliment</i>
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0180.1_Vsx2	3.4137e-10	NYTAATTAANN -CTAATTAAM-	

Q24782_9CNID

		<i>forward</i>	<i>reverse compliment</i>
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0194.1_Lim1	1.4038e-11	TTAATTAA -TAATTAA	

CG32105

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

MA0236.1_otp 3.4164e-11

TTAATTAR
-TAATTAR

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

NYTAATTAAN
--TAATTAA-

CNK00090*forward**reverse compliment*

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

ATAATTAA
-TAATTAA

HOXC4*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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MA0240.1_repo 2.0401e-11

NTAATTAA
-TAATTAA

CAD25284*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0194.1_Lim1 1.5897e-11

TTAATTAN
TTAATTA-

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

MA0172.1_CG11294 1.7100e-11

TTAATTAN
TTAATTA-

Tlx2*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0194.1_Lim1 2.7621e-10

TAWTTAAT
TAATTAA-

ventx3.2*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0194.1_Lim1 1.7841e-11

ATTAATTA
-TTAATTA

CBG00029*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0194.1_Lim1 1.6173e-11

TAATTAAT
TAATTAA-

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

MA0172.1_CG11294 2.1773e-10

TAATTNAW
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-	

RAX*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0202.1_Rx	5.1507e-11	NTAATTAR -TAATTAR	

inv*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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MA0229.1_inv 6.5503e-15

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

MA0209.1_ap

1.2763e-11

TAATTARN
TAATTAR-**lim-4***forward**reverse compliment**Name**E value**Alignment**Motif*

MA0181.1_Vsx1

9.2564e-11

NNTAATTAR
--TAATTAR**ind***forward**reverse compliment**Name**E value**Alignment**Motif*

MA0228.1_ind 7.6496e-11

TAATTARNR
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--	

mixl1.S

	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0194.1_Lim1	6.0393e-10	NNTAATTAANN --TAATTAA--	

C4B866_NEMVE

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

MA0194.1_Lim1 1.2649e-09

NNNTAATTAANN
---TAATTAA--

CAD26261*forward**reverse compliment*

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

TWWATTANN
TTAATTA--

LHX9*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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MA0232.1_lbl 2.4650e-07

NNTNATTAN
--TMATTA-

POU6F1*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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MA0232.1_lbl 1.9095e-07

NNTAATTANN
--TAATKA--

Q86SD7_PODCA*forward**reverse compliment**Name**E value**Alignment**Motif*

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--

ZFHX2*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0232.1_lbl 2.6731e-07

NNTAATTANN
--TAATKA--

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

MA0232.1_lbl 7.5444e-08

NNTMATTANN
--TMATTA--

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

MA0232.1_lbl 2.8185e-07

NNNNTAATTAN
----TMATTA--

SNAPOd2T00006145001*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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MA0232.1_lbl 2.6419e-06

NNYAATYANN
--TMATTA--

HMX3*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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MA0426.1_YHP1 2.8398e-07

NNCAMTTANNN
--CAATTA---

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**Name**E value**Alignment**Motif*

MA0075.1_Prrx2 1.9488e-05

NNNTAATTNNN
---TAATT---

ENSTNIG00000006040*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0426.1_YHP1 8.7845e-07

NNNYNATTANNNN
---CAATTA----

CBG04010*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0206.1_abd-A 7.7487e-06

NNTTAATKNNN
--TTAATTA--

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

MA0444.1_CG34031 7.7102e-07

NNWATTAAAN
-CAATTAA-

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

MA0151.1_ARID3A 3.6185e-06

NCATTWAWKN
--ATTAAA--

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

MA0206.1_abd-A 4.3694e-06

NNAATTAAATGN
-TAATTAA---

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

MA0186.1_Dfd

8.4622e-05

NNNANTNANN
-TCATTAA--

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

MA0232.1_lbl

1.7692e-06

NNYCATTANN
--TMATTA--

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

MA0232.1_lbl 7.9820e-08

NTAATKAN
-TAATKA-

zen2*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0232.1_lbl

2.1091e-08

NTMATTAN
-TMATTA-

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

MA0215.1_btn

3.0070e-09

NTCATTAWN
-TCATTAN-

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

MA0153.1_HNF1B 5.5378e-13

RTTAATNATTAAC
GTTAAWYATTAA-

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

MA0153.1_HNF1B 6.3727e-14

NRTTAATNATTAACN
--TTAATRWTTAAC-

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

MA0008.1_HAT5 1.8398e-09

TAATMATT-
-AATAATTN

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

MA0214.1_bsh 1.0306e-04

NCNRTYAN
-YMATTA

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--	

HBX4_ECHGR*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0190.1_Gsc	3.2658e-08	NNGGATTANN --GGATTA--	

OC*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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MA0212.1_bcd 3.8618e-09

NGGATTAN
-GGATTA-

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

MA0234.1_oc

3.9560e-09

NTAATCCN
-TAATCC-

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

MA0234.1_oc

9.9606e-10

NGGATTA
-GGATTA

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

MA0201.1_Ptx1 2.4983e-10

NGGATTAW
-GGATTAA

PITX1*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0234.1_oc

3.8797e-09

NGGATTAN
-GGATTA-

CBG01820*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0212.1_bcd

3.9289e-09

NGGATTAN
-GGATTA-

PITX3*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0234.1_oc 3.7633e-09

NGGATTAN
-GGATTA-

OTX1*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0234.1_oc

3.7603e-09

NTAATCCN
-TAATCC-

Ptx1*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0234.1_oc

5.0663e-09

NGGATTAN
-GGATTA-

Pitx2*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0234.1_oc 4.9980e-09

NGGATTAN
-GGATTA-

Pitx3*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0234.1_oc

6.8909e-09

NGGATTAN
-GGATTA-

PITX2*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0234.1_oc

7.9895e-09

NTAATCCN
-TAATCC-

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

MA0234.1_oc 8.8704e-09

NGGATTAN
-GGATTA-

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

MA0190.1_Gsc 4.6874e-09

NRGATTAN
-GGATTA-

ceh-37*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0190.1_Gsc 4.0372e-09

NGGATTAN
-GGATTA-

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

MA0190.1_Gsc 4.0356e-09

GGATTANN
GGATTA--

Pitx1*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0234.1_oc

1.8154e-08

NNGGATTAN
--GGATTA--

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

MA0190.1_Gsc

2.6002e-08

NTAATCYNN
-TAATCC--

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

MA0190.1_Gsc 2.0177e-08

NNRGATTAN
--GGATTA-

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

MA0190.1_Gsc 3.5326e-08

NNNGGATTAN
---GGATTA-

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

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---

CRX*forward**reverse compliment*

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

NSGGATTAGN
--GGATTA--

bcd*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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MA0234.1_oc 5.4501e-08

NNGGATTANNN
--GGATTA---

ceh-36*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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MA0234.1_oc 2.6099e-05

NNGATTAN
-GGATTA-

Otx2*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0234.1_oc

2.8635e-05

NNGATTAN
-GGATTA-

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

MA0234.1_oc

2.9955e-05

NNGATTAN
-GGATTA-

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

MA0234.1_oc 4.4797e-05

NNRGATTAN
--GGATTA-

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

MA0234.1_oc

4.8065e-04

NNNATCC
-TAATCC

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

MA0235.1_onecut

2.8624e-04

NYAATCAN
-NAATCAA

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

MA0235.1_onecut 4.4831e-04

NNYAATCAN
--NAATCAA

WOX13*forward**reverse compliment*

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

PBX1*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0070.1_PBX1	1.9530e-07	-NTGATTGAYR- NTTGATTGATNN	

Q00354_COPCI*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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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	

HAT1*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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MA0235.1_onecut 1.4678e-04

NYAATCATNN
-NAATCAA--

hbx5-2*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0235.1_onecut 9.7419e-08

NYAATCAW
-NAATCAA

hbx5-1*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-

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

MA0235.1_onecut 1.9058e-05

NTAATCAN
-NAATCAA

SNOG_08903*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0235.1_onecut 1.5205e-10

YAAATCAA
-NAATCAA

NEMVEDRAFT_v1g101664*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0070.1_PBX1 5.5008e-06

---GATYGATT-
NTTGATTGATNN

Lhx6_CONSTRUCT*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0075.1_Prrx2 2.2088e-04

NNTRATTRN
--TAATT--

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

MA0235.1_onecut 1.1410e-03

NNNNNNATCW-
----NAATCAA

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

MA0110.1_ATHB-5 6.6140e-05

NNAATNATN--
--AATMATTGN

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

MA0037.1_GATA3 5.0444e-03

NNCAATCNN
--YTATCN-

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

MA0212.1_bcd

1.3723e-02

NNGATNNNN
-GGATTA--

BARX1*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0151.1_ARID3A 1.2246e-06

NNATTAAAWANCNATTA
--ATTAAA-----

Msx3*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0192.1_Hmx 1.0690e-08

NCAATTANNNNSCAATTA
-CAATTAA-----

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	

TLX3*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0188.1_Dr	1.1926e-03	NAATTGNNNNNNNNNNNNNNCAATTN TAATTGG-----	

Lhx8*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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MA0198.1_OdsH 9.5457e-08

NTRATTANNNNTRATTAN
-----YTAATTR-

ventx1.1.L*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0075.1_Prrx2 1.2557e-02

NNNNNNNNNN
--TAATT---

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--

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

MA0075.1_Prrx2 6.1057e-03

NNNNANNN
--TAATT-

PHO2*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0075.1_Prrx2 1.2104e-02

NNNATNNNNN
-TAATT----

ceh-51

	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0075.1_Prrx2	4.0765e-02	NNYNATNNN --TAATT--	

UM04928

	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0075.1_Prrx2	1.3088e-02	NNNNNATNNN ---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--

Q0N4H9_NEMVE*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0075.1_Prrx2 2.6414e-02

NNYRANNNN
--TAATT--

NEMVEDRAFT_v1g129868*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0075.1_Prrx2 5.9220e-03

NYNANNNNN
-TAATT---

NEMVEDRAFT_v1g136480*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0094.1_Ubx 7.7218e-03

NNNNNNNNNN
----ATT--

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
--ATT--

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

MA0094.1_Ubx 1.7438e-03

NNATNWN
--ATTA-

Msx1*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0094.1_Ubx 1.2509e-03

NNATTAN
--ATTA-

Hoxc5*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0094.1_Ubx 1.3094e-03

NNATTNN
--ATTA-

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

MA0075.1_Prrx2 3.0457e-03

NNAANNN
-TAATT-

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

MA0075.1_Prrx2 2.1990e-03

NTAATNNN
-TAATT--

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--

Q6WL90_TRICY*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0075.1_Prrx2 1.9260e-03

NTAATNNN
-TAATT--

VAX2*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0075.1_Prrx2 2.0276e-03

NNTAATNN
--TAATT-

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

MA0094.1_Ubx 2.5080e-03

NNNATTAN
---ATTA-

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

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0075.1_Prrx2	2.3487e-03	NNATTANN -AATTA--	

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-

Phox2a*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0094.1_Ubx 2.1722e-03

NNATTNNN
--ATTA--

Phox2b*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0075.1_Prrx2 2.3015e-03

NNNAATNN
--TAATT-

Obox5*forward**reverse compliment**Name**E value**Alignment**Motif*

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-	

Vax1

		<i>forward</i>	<i>reverse compliment</i>
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0075.1_Prrx2	3.3455e-03	NTAATNNNN -TAATT---	

Dlx3

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

MA0075.1_Prrx2 3.2354e-03

NTAATNNNN
-TAATT---

barx1*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0075.1_Prrx2 3.1848e-03

NNNNATTAN
---AATTA-

Vax2*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0075.1_Prrx2 3.3359e-03

NTAATNNNN
-TAATT---

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

MA0075.1_Prrx2 3.1781e-03

NTAATNNNN
-TAATT----

Hoxa5*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0094.1_Ubx 3.3308e-03

NTAATNNNN
-TAAT-----

Hoxb4*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0094.1_Ubx 3.3626e-03

NTAATNNNN
-TAAT-----

Hoxc4*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0094.1_Ubx 3.5159e-03

NNNNATTAN
----ATTA-**Evx1***forward**reverse compliment**Name**E value**Alignment**Motif*

MA0075.1_Prrx2 3.1475e-03

NTAATNNNN
-TAATT---**Hoxa4***forward**reverse compliment**Name**E value**Alignment**Motif*

MA0094.1_Ubx 3.2531e-03

NTAATNNNN
-TAAT----**Gsx2***forward**reverse compliment**Name**E value**Alignment**Motif*

MA0075.1_Prrx2 3.0869e-03

NTAATNNNN
-TAATT---

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--

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

MA0075.1_Prrx2 3.4714e-03

NNTAATNRN
--TAATT--

NEMVEDRAFT_v1g81309*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0075.1_Prrx2	3.3645e-03	NNNNATTAN ---AATTA-	

Bsx*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0075.1_Prrx2	3.4670e-03	NTAATNNNN -TAATT---	

Lbx2*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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MA0094.1_Ubx 5.3979e-03

NNAANNNN
-TAAT---

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

MA0075.1_Prrx2 3.4502e-03

NNTAATNNN
--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--

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

MA0094.1_Ubx 4.8980e-03

NNYNATNNN
----ATTA-

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

MA0075.1_Prrx2 4.5297e-03

NTAATKRNN
-TAATT---

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

MA0075.1_Prrx2 4.5812e-03

NNNATNNNN
-TAATT---

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

MA0094.1_Ubx 4.1346e-03

NYNATNNNN
---ATTA--

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

MA0094.1_Ubx 6.4583e-03

NNNNATWNN
----ATTA-

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

MA0094.1_Ubx 2.5913e-03

NNNNNNNN
TAAT---

Hoxb7*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0094.1_Ubx 3.4932e-03

NNNNTNNN
---ATTA-

Hoxd8*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0094.1_Ubx 4.7931e-03

NNNNNNNN
---ATTA-

Hoxa7*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0094.1_Ubx 5.6775e-03

NNWATNNNN
-TAAT-----

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

MA0094.1_Ubx 1.1609e-02

YNATWWN
--ATTA-

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

MA0094.1_Ubx 3.7532e-03

NNNNATTAN
----ATTA-

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

MA0094.1_Ubx 8.9132e-03

NNNNNNNNNN
----ATTA--

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

MA0094.1_Ubx 4.4172e-03

NNNNATTANN
----ATTA--

Hoxa3*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0075.1_Prrx2 4.2577e-03

NTAATNRNNN
-TAATT----

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

MA0075.1_Prrx2 4.4611e-03

NTAATNNNNN
-TAATT----

ZHD7*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0075.1_Prrx2 5.0331e-03

NNTAANNNNN
--TAATT---

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

MA0075.1_Prrx2 4.6337e-03

NNNNATTANN
---AATTA--

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-

Prop1*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0075.1_Prrx2 1.9940e-03

NNNATYN
-TAATT-

En1

	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0075.1_Prrx2	2.1945e-03	NNNANNN -TAATT-	

UNCX

	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0075.1_Prrx2	1.8805e-03	NNAATTNN -TAATT--	

Noto

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

MA0075.1_Prrx2 6.3461e-03

NNNNATNNNN
---AATTA--

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

MA0075.1_Prrx2 7.7965e-03

NNNNATNNNN
--TAATT---

Q0N4H7_NEMVE*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0094.1_Ubx 2.9184e-02

NNNNNATNNN
-----ATTA-

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

MA0426.1_YHP1 3.2827e-02

NNYNATNNNN
--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--

pha-2

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0426.1_YHP1	4.0154e-02	NNNNNATNNN ---CAATTA-	

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	1.0286e-03	NNNNRTWAAN --TMATAAA-	

CBG23031

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

MA0174.1_CG42234 8.4823e-04

NNNNATWAAN
--TMATWAA-**Hoxc11***forward**reverse compliment**Name**E value**Alignment**Motif*

MA0165.1_Abd-B 2.3036e-03

NNNNRTWAAN
--TMATAAA-**Hoxc13***forward**reverse compliment**Name**E value**Alignment**Motif*

MA0165.1_Abd-B 1.2421e-03

NNNNRTAAAN
--TMATAAA-**Hoxb13***forward**reverse compliment**Name**E value**Alignment**Motif*

MA0165.1_Abd-B 1.5614e-03

NNNNRTWAAN
--TMATAAA-

Hoxa13

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0165.1_Abd-B	9.6505e-04	NNNRTWAAN -TMATAAA-	

HOXC13

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0216.1_cad	1.0465e-08	NSCAATAAAAN --YAATAAA--	

HOXA13

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

MA0216.1_cad 2.1130e-08

GTTTTATTGGN
--TTTATTTR--

HOXD13*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0216.1_cad 3.3250e-08

SSCAATAAAMC
--YAATAAA--

HOXB13*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0216.1_cad 1.6334e-08

NCCAATAAAAN
--YAATAAA--

Hoxd13*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0216.1_cad 3.4315e-10

SYAATAAAAN
-YAATAAA--

Hoxd9

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0165.1_Abd-B	4.1215e-07	NCCATWAAA -TMATAAA-	

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--	

hoxd13a

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

MA0216.1_cad 8.3883e-11

TMATAAAW
YAATAAA-

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

MA0216.1_cad 2.2162e-08

NNGCMATAAAAN
---YAATAAA--

HOXD9*forward**reverse compliment**Name**E value**Alignment**Motif*

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--

HOXC10*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0216.1_cad

2.9939e-09

NNTTTATKRCN
--TTTATTR--

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

MA0393.1_STE12 1.3427e-03

NGTTTTANN
YGTTTCA--

HOXB9*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0165.1_Abd-B 2.2251e-06

GTCGTAAAAN
-TMATAAA--

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

MA0165.1_Abd-B 2.4823e-08

NTTTTAYGAC
--TTTATKA-

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

MA0165.1_Abd-B 1.4554e-06

NGTCGTAAAWN
--TMATAAA--

HOXA10*forward**reverse compliment**Name**E value**Alignment**Motif*

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*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0153.1_HNF1B	2.3770e-05	NRTC GTAAANNNTWAN ----GTAAWYATTAA	

HOXC11*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0165.1_Abd-B	6.4582e-06	NNTTTACGAYN --TTTATKA--	

HOXD12*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0165.1_Abd-B	1.5126e-05	NRTC GTAAAN --TMATAAA-	

HOXA9

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

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---	

B-H2

		<i>forward</i>	<i>reverse compliment</i>
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0168.1_B-H1	3.6424e-04	NNCGTTTANN --CAATTAA-	

B-H1

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

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--

Q0N4H2_NEMVE*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0188.1_Dr 5.7239e-10

TAATTRNT
TAATTGG-**NEMVEDRAFT_v1g114268***forward**reverse compliment*

<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	-NACCGTTTAAAN 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	

Hoxa10

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0307.1_GLN3	8.7847e-03	NNNNNTNNN ---GATAA-	

Hoxa9

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0307.1_GLN3	6.1601e-03	NNNNNNNN -TTATC--	

Hoxd10

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

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--

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---

BSX

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0217.1_caup	4.8362e-03	NNCGTTAN --TGTTA-	

PRRX2

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0186.1_Dfd	2.6340e-03	NNCRTNAN -TCATTAA	

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
-TAAAYNA--

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

MA0186.1_Dfd

4.2043e-04

NNTCGTTA-
--TCATTAA

LBX2*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0186.1_Dfd

5.8346e-08

CTCRTTAA
-TCATTAA

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

MA0217.1_caup 4.2044e-03

NNNGTNNN
--TGTTA-

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

MA0217.1_caup 2.6865e-03

NNNGTTAN
--TGTTA-

ceh-57*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0217.1_caup 6.2734e-03

NNNNNTWAN
---TGTTA-

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

MA0231.1_lbe 9.7179e-02

NNNACNNN
-TAAyna-

MTR_2g038000*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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MA0132.1_Pdx1 2.8654e-02

NNNNNAGNNN
-AATTAG---

ceh-24*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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MA0211.1_bap 5.8321e-02

NNYNCTYNN
--CACTTAA

ENSCING00000007395*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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MA0211.1_bap 3.0174e-02

NWNNNNNN
CACTTAA-

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

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

MA0264.1_ceh-22 3.1586e-09

NCCAATTGAN-
NCCAATTGANN

bap

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0211.1_bap	2.1113e-06	NNCAATTANN --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	SCAATTAN -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	NCAATTAN -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*forward**reverse compliment**Name**E value**Alignment**Motif*

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

NKX2-3*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0211.1_bap 1.0660e-03

NNCACTTNNN
--CACTTAA-

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

MA0211.1_bap 1.9645e-03

NNRAGTRNNN
TTAAGTG---

Nkx2-3*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0211.1_bap 9.1394e-04

NNRAGNRNN
TTAAGTG--

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

MA0211.1_bap 9.7504e-04

NYNCTYNN
-CACTTAA

NKX2-5*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0211.1_bap

7.6109e-05

NNAAGWR
TTAAGTG

NKX2-8*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0211.1_bap

2.4048e-03

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-

Nkx2-5*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0211.1_bap 1.5526e-03

NNYNCTYNNN
--CACTTAA-

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

MA0211.1_bap 2.2018e-03

NNRAGNRNNN
TTAAGTG---

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

MA0211.1_bap 8.3180e-04

NNNCACTTNN
---CACTTAA

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

MA0124.1_NKX3-1 1.7532e-06

NTAAGTANNN
-TAAGTAT--

Six6

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0246.1_so	1.1002e-02	NNKATNN -GTATCA	

six3

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0246.1_so	5.1282e-02	NNNATMNNNN -TGATAC---	

XP_003689450.1

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

MA0036.1_GATA2 5.8039e-02

NNNGKNTNNN
---NGATN--

SIX6

		<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>		<i>Motif</i>
MA0199.1_Optix	1.5619e-05	NNNTATCRNN ---TATCA--		

SIX3

		<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>		<i>Motif</i>
MA0246.1_so	4.5416e-07	NNNTATCRNN --GTATCA--		

Six3

		<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>		<i>Motif</i>
MA0199.1_Optix	3.4735e-03	NKATNNN -TATCA-		

PRH_PETCR

		<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>		<i>Motif</i>
MA0345.1_NHP6A	4.6352e-09	-----TWATATAT----- NNNNNNTTATATANNRNNNNN		

NCU09556

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

hbx2

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

MA0379.1_SIG1 6.3617e-06

NNATATATWN
---TATAT--

KLLA0_D10043g*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0379.1_SIG1 8.4022e-03

NNNNNNNNNN
--TATAT---

NEMVEDRAFT_v1g81436*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0216.1_cad 9.7454e-02

NNNNNANNNN
---YAATAAA

Pknox1*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0227.1_hth 7.0473e-03

NNNTGTCN
--CTGTCA

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

MA0207.1_achi 1.5344e-02

NNNTNTNNN
--CTGTCA-

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

MA0227.1_hth 3.4042e-02

NNNGTNNNN
-CTGTCA--

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

MA0207.1_achi 6.9992e-04

NNTGTCRTGTWN
-CTGTCA-----

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

MA0252.1_vis

8.8622e-07

NTGTCA
NTGTCA

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

MA0252.1_vis

8.7480e-07

NTGTCA
NTGTCA

Meis2*forward**reverse compliment**Name**E value**Alignment**Motif*

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-

hbz9*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0288.1_CUP9

9.3246e-06

---NTGTCANN
WWTGTGTCA--

CUP9

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0288.1_CUP9	3.7091e-11	NWTGTGTCAN WWTGTGTCA-	

exd

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0222.1_exd	2.5740e-10	TGTCAAAN TGTCAAAN	

Meis1

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

MA0252.1_vis 4.1357e-05

NNNTGTCAN
--NTGTCA--

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

MA0227.1_hth

6.9961e-05

NNNTGTCANN
--CTGTCA--

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

MA0227.1_hth

6.8698e-05

NNNTGTCANN
--CTGTCA--

hbx4*forward**reverse compliment**Name**E value**Alignment**Motif*

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

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

MA0227.1_hth

5.9773e-09

SMYGTCAN
-CTGTCA-

CBG24578*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0207.1_achi

1.4139e-07

NNNTGACAGSTN
---TGACAG---

TGIF2*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0227.1_hth 3.1704e-07

TGACANNTGTCA
-----CTGTCA

TGIF1*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0207.1_achi 1.8587e-07

TGACAGCTGTCA
-----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-----

IRX5*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0328.1_MATALPHA2 3.9553e-05

NNNTGTNNNACAYNN
-----AATTACATG-

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

MA0217.1_caup 1.6159e-06

TGTTANWN
TGTTA---

CG11617*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0173.1_CG11617	1.4526e-07	-TGTWAAAW ATGTWAA--	

Rhox8*forward**reverse compliment*

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

ara*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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MA0210.1_ara 1.6159e-06

TGTTWTNN
TGTTW---

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

MA0210.1_ara 2.8411e-02

NNNNTGTNNN
----TGTTW-

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

MA0210.1_ara 1.3053e-02

NNTGTNNNN
--TGTTW--

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

MA0210.1_ara 5.7942e-03

NTNTNNN
-TGTTW-

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

MA0210.1_ara

1.6628e-02

NNNTGTNNN
---TGTTW-

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

MA0210.1_ara

2.0801e-02

NNNTGTWNNN
---TGTTW--

SNAPOd2T00005194001*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0328.1_MATALPHA2 1.7656e-04

-NNTACATGTNN
AATTACATG---

ATHB-4

		<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>		<i>Motif</i>
MA0254.1_vv1	8.1236e-04	NNYATGCAKNN --TATKCA---		

PK24181.1

		<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>		<i>Motif</i>
MA0227.1_hth	4.3791e-02	NNNNNNNNNN-- -----CTGTCA		

pbx4

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

MA0235.1_onecut 3.6885e-04

NNCATCAA
-NAATCAA

TVAG_451170

	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0246.1_so	1.2975e-03	NNCRCATCAN ---GTATCA-	

TOS8

	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0018.2_CREB1	8.6372e-07	WKACGTCANNN TGACGTCA---	

PBX4

	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0204.1_Six4	3.4604e-02	NNNNNTNNNN --GTNTCA--	

CBG10835

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0199.1_Optix	1.5682e-02	NNNNTCANN --TATCA--	

Phyra73700

<i>forward</i>		<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0199.1_Optix	1.5829e-02	NNNNNNTCAN ----TATCA-	

KNAT6

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

MA0207.1_achi 1.6623e-02

NNNNGTCNNN
--CTGTCA--

Q0ZPQ8_NEMVE*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0207.1_achi 1.1053e-02

NTGACRNNN
-TGACAG--

RLT1*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0127.1_PEND 3.5933e-02

--NANGAANN
MATAAGAANT

PK25011.1*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0089.1_NFE2L1_MafG 1.5545e-01

NNNNNNNAWNN
---GTCATN-

ATHB-12

	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0089.1_NFE2L1_MafG 2.0267e-01		NNNNNNNNN -NATGAC-	

si_dkey-43p13.5

	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0210.1_ara 7.5942e-02		NNNNWWNNNN --TGTTW---	

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