

a) FH

N-terminal:

Q961V5/10 Dm|slp1
Q8SZ95/60 Dm|slp2
Q86XT7/16 Hs|FOXG1A
Q9W5X5/9 Dm|CG9571
Q22510/2 Ce|fkh-2
Q18694/1 Ce|unc-130

SNFSIDATLAK
SSFSINSILPE
SSFSINSLVPE
SSFSIRSLLSV
ARFSLDLCPD
MLFSMESILSS

C-terminal:

Q9UJU5/376 Hs|FOXD3
P34683/227 Ce|lin-31
Q9NU39/322 Hs|FOXD4L1
Q12952/259 Hs|FOXL1
P55318/302 Hs|FOXA3
P55317/399 Hs|FOXA1
Q9Y261/374 Hs|FOXA2
Q02360/354 Dm|fd64A
Q12948/306 Hs|FOXC1
Q99958/268 Hs|FOXC2
Q5SVZ3/410 Hs|FOXD2
P32029/186 Dm|fd96Cb
P32028/220 Dm|fd96Ca
Q99853/167 Hs|FOXB1
Q5VV73/269 Hs|FOXQ1
O75593/165 Hs|FOXH1
O17593/219 Ce|fkh-10
P32027/258 Dm|croc
P14734/450 Dm|fkh
Q13461/215 Hs|FOXE3

PSFSIENTIGG
SSFSIESILSS
ISFSIESIMQG
KSFSIDSLAG
HPFSINNLMS
HPFSINNLMS
HPFSINNLMS
TLFTIDNIGK
QGFSVDNIMTS
PGFSVENIMTL
PSFSIDHIMGH
RAFTIESIMAP
RSFTIESLITP
HPFAIENTIAR
SSFAIDSILRK
EGFSIKSILGG
KSFTIEATLEH
PGFTVDSIMNV
HPFSINRLIPT
RLFSVDSLVLN

Non-bilaterian:

Q8ITI5/10 Ctenophore-FH
Q86FK9/241 Cnidarian-FH
Q6EWN0/432 Sponge-FH

HPFSIENTILKS
HPFAIKNIAP
HNFMISNLLKS

b) T-box

N-terminal:

O17212/3 Ce|mls-1
P90971/20 Ce|mab-9
Dm|CG6634
Q9VMR3/79 Dm|H15
Q24432/38 Dm|bi
Q9Y458/8 Hs|TBX22
O95935/18 Hs|TBX18
Hs|TBX20
O15119/26 Hs|TBX3
Q96SF7/16 Hs|TBX15
Q13207/12 Hs|TBX2

RNFSIDATLAR
PRFSIANILDE
TDFSIAATMAR
TDFSIAATMAR
TDFSVSLLTA
RAFSVEALVGR
HAFSVEALIGA
NAFSIAAIMSS
PDEAMSAVLGH
HAFSVEALIGS
ADFPMSAFLAA

C-terminal:

Q9VST0/410 Dm|Doc3
Q9VST2/457 Dm|Doc2
Q9U8L5/381 Dm|Doc1

SSFSISDILGT
KGFSISAILGG
NSFSISAILAY

Non-bilaterian:

Q7YTV8/10 Trichoplax-T-box
Q70HR5/21 Ctenophore-T-box
Q86RA8/7 Cnidarian-T-box

SSFSVTNLLSA
ASFSVNSLLAS
KPTVTNDILQA

c) ETS

P20105/103 Dm|Eip74EF
O01519/212 Ce|F19F10.5
O44138/168 Ce|C50A2.4
Q965J5/26 Ce|lin-1

SNFETESLLSD
PIFSTENILLAS
LTHSTISAILGQ
PKHTIEGILDI

d) Doublesex

Q5VXF7/541 Hs|DMRT2
Q9VYE0/365 Dm|dmrt11E
Q18248/216 Ce|C27C12.6

LSFSVESILKR
LSFSIESIMGI
QSELIDSILLEQ

e) Zinc Finger

N-terminal:

Q93721/73 Ce|ces-1
Q9BZ91/28 Hs|ZNF312
Hs|ENSG00000128610
Q9VQ56/56 Dm|CG31670

SVFSDINILNS
LAFSTIERIMAK
LAFSTIERIMAR
LKESTAKIMEP

C-terminal:

Q9VQU9/734 Dm|bowl
P23803/382 Dm|odd

TGFSIEDIMRR
LGFTIDEIMSR

Consensus/90%

..a.lp.lb..