A

```
>TCF4 cDNA_partial_Danio rerio_predicted
gtatacgcaccgtccgccagcactgccgattataaccgggactcaccggg
ttacccgtcctctaaagcaccgggcagcagctttcccagttcattcttta
tgccagacggtcatcacagtacagacccatggagctcctccggcagtatg
aaccagcccggatacaacagcatgctgggaaattcaacacacagcgcaca
gagcagcagctactgcggcctacatccacacgacagactcagttatccgt
cccactcgtcggcagaaatcaaccccagtcttcctcccatgtccagtttc
catcgcagcggcggctccagtcactacagcacagcgtcctgctccgcaac
caccaacggcacagacagcaccatggcgaatcgatcgtcgagtgcagccg
gaagcagctctcagactggagacgctttaggaaaggctttggcttcaatt
tattcccccgatcacaccaataatagcttctcgtcgaacccgtccactcc
tgtgggatccccgcccgcgctcacagctgcgagtacggctgtttggtcca
gaaacggtcaaggagcttcgtcccccagttatgaaccaccgctgcactca
ttgcaaagtcgtatcgaggacagattggagcggctggacgatgccattca
cgtattgcggagtcatgcggtgggtccgtccacggcgatggccggcgcac
atgcagatatgcacggattgatcacgccttcacactctcacaacggggcc
atgggcggatatagctccggactgctgccctccaacagacactcgctcat
g
```

B

```
TCF4_Homo sapiens 1    VYAPSASTADYNRDSPGYPSSKAPGSSFPSSFFMPDGHHSTDPWSSSGSMNQPGYNSMLG  60
                       VYAPSASTADYNRDSPGYPSSK   S+FPSSFFM DGHHS+DPWSSS  MNQPGY  MLG
 tcf4_Danio rerio 184  VYAPSASTADYNRDSPGYPSSKPATSTFPSSFFMQDGHHSSDPWSSSSGMNQPGYAGMLG  243

TCF4_Homo sapiens 61   NSTHSAQSSSYCGLHPHDRLSYPSHSSAEINPSLPPMSSFHRSGGSSHYSTASCSATTNG  120
                       NS+H  QSSSYC LHPH+RLSYPSHSSA+IN SLPPMS+FHRS G++HYST+SC+   NG
 tcf4_Danio rerio 244  NSSHIPQSSSYCSLHPHERLSYPSHSSADINSSLPPMSTFHRS-GTNHYSTSSCTPPANG  302

TCF4_Homo sapiens 121  TDSTMANRSSSAAGSSSQTGDALGKALASIYSPDHTNNSFSSNPSTPVGSPPALTAASTA  180
                       TDS MANR S AAG SSQTGDALGKALASIYSPDHTNNSFSSNPSTPVGSPP+L +A TA
 tcf4_Danio rerio 303  TDSIMANRGSGAAG-SSQTGDALGKALASIYSPDHTNNSFSSNPSTPVGSPPSL-SAGTA  360

TCF4_Homo sapiens 181  VWSRN-GQGASSPSYEPPLHSLQSRIEDRLERLDDAIHVLRSHAVGPSTAMAGAHADMHG  239
                       VWSRN GQ +SSP+YE PLHSLQSRIEDRLERLDDAIHVLR+HAVGPSTAM G H DMHG
 tcf4_Danio rerio 361  VWSRNGGQASSSPNYEGPLHSLQSRIEDRLERLDDAIHVLRNHAVGPSTAMPGGHGDMHG  420

TCF4_Homo sapiens 240  LITPSHSHNGAMG----GYSSGLLPSNRHSLM  267
                       +I P  SHNGAMG    GY +GLL +NRHSLM
 tcf4_Danio rerio 421  IIGP--SHNGAMGGLGSGYGTGLLSANRHSLM  450
```

C

Supplementary Figure 1, Brockschmidt et al.