A

```
                                   10                  20                  30
human ANX2   MSTVHEILCKLSLEGDHSTPPSAYGSVKAY
Danio ANX2b  MALVSEYLSKLTLSYGGEREPKCPTVVAAY
             M   V  E  L  K L. L         P   V  AY

                                   40                  50                  60
human ANX2   TNFDAERDALNIETAIKTKGVDEVTIVNIL
Danio ANX2b  D-FNPEVDAAKIETAIKTKGVDEQTIIDIL
               NF   E  DA.  IETAIKTKGVDE  TI. IL

                                   70                  80                  90
human ANX2   TNRSNAQRQDIAFAYQRRTKKELASALKSA
Danio ANX2b  TRRSLLKRSDIAFEYERAKKDLVSALKGA
             T RS  . R DIAF  Y .R KK.L.SALK A

                                  100                 110                 120
human ANX2   LSGHLETVILGLLKTPAQYDASELKASMKG
Danio ANX2b  LSGSLEHLILGLMKSTPQYDAFELKA-MKG
             LSG  LE .ILGL K.   QYDA ELKASMKG

                                  130                 140                 150
human ANX2   LGTDEDSLIEIICSRTNQELQEINRVYKEM
Danio ANX2b  LGTDEESLIEMVCSRNKEELAEIKKVYKEM
             LGTDE.SLIE .CSR    EL  EI .VYKEM

                                  160                 170                 180
human ANX2   YKTDLEKDIISDTSGDFRKLMVALAKGRRA
Danio ANX2b  FKKDLEKDISGDTSGDFAKLLLALAQGNRE
             .K DLEKDI  DTSGDF KL .ALA G R

                                  190                 200                 210
human ANX2   EDGSVIDYELIDQDARDLYDAGVKRKGTDV
Danio ANX2b  EQSSVVDYEKIDNDARTLYETGVRRKGTDV
             E  SV.DYE IID.DAR LY. GV.RKGTDV

                                  220                 230                 240
human ANX2   PKWISIMTERSVPHLQKVFDRYKSYSPYDM
Danio ANX2b  VTWISIFSERSVSHLQKVFERYKRYSPYDL
               WISI .ERSV HLQKVF.RYK YSPYD

                                  250                 260                 270
human ANX2   LESIRKEVKGDLENAFLNLVQCIQNKPLYF
Danio ANX2b  KESIRMEVKGDLEKSFLTLVECLENKHLYF
             ESIR EVKGDLE  FL LV C. NK LYF

                                  280                 290                 300
human ANX2   ADRLYDSMKGKGTRDKVLIRIMVSRSEVDM
Danio ANX2b  ASRLNDAMKGKSVKDKIITRIIVSRCEVDL
             A RL D MKGK  .DK.. RI VSR EVD

                                  310                 320                 330
human ANX2   LKIRSEFKRKYGKSLYYYIQQDTKGDYQKA
Danio ANX2b  MKVRIEFKRNFGRSLHQTISEHTKGDYQRA
               K.R EFKR .G.SL   I  TKGDYQ.A

                                  340                 350                 360
human ANX2   LLYLCGGDD
Danio ANX2b  LLNLVGGDD
             LL  L GGDD
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B

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                                   10                  20                  30
Danio caveolin-1   MTSG-YKDGTPEEEYAHSPFIRKQGNIYKPNNKEM
human caveolin-1   MSGGKYVD---SEGHLYTVPIREQGNIYKPNNKAM
                   M. G Y D     E     .  IR QGNIYKPNNK M

                                   40                  50                  60                  70
Danio caveolin-1   DNDSINEKTLQDVHTKEIDLVNRDPKHLNDDVVKV
human caveolin-1   A-DELSEKQVYDAHTKEIDLVNRDPKHLNDDVVK I
                     D . EK . D HTKEIDLVNRDPKHLNDDVVK .

                                   80                  90                 100
Danio caveolin-1   DFEDVIAEPAGTYSFDGVWKASFTTFTVTKYWCYR
human caveolin-1   DFEDVIAEPEGTHSFDGIWKASFTTFTVTKYWFYR
                   DFEDVIAEP GT SFDG.WKASFTTFTVTKYW YR

                                  110                 120                 130                 140
Danio caveolin-1   LLTALVGIPLALVWGIFFAILSFIHIWAVVPCVKS
human caveolin-1   LLSALFGIPMALIWGIYFAILSFLHIWAVVPCIKS
                   LL.AL GIP.AL.WGI.FAILSF.HIWAVVPC.KS

                                  150                 160                 170
Danio caveolin-1   YLIEIHCISRVYSICVHTFCDPLFEAMGKCFSNVR
human caveolin-1   FLIEIQCISRVYSIYVHTVCDPLFEAVGKIFSNVR
                   .LIEI.CISRVYSI VHT CDPLFEA.GK FSNVR

                                  180                 190                 200                 210
Danio caveolin-1   VTATKVV
human caveolin-1   INLQKEI
                   . . K .
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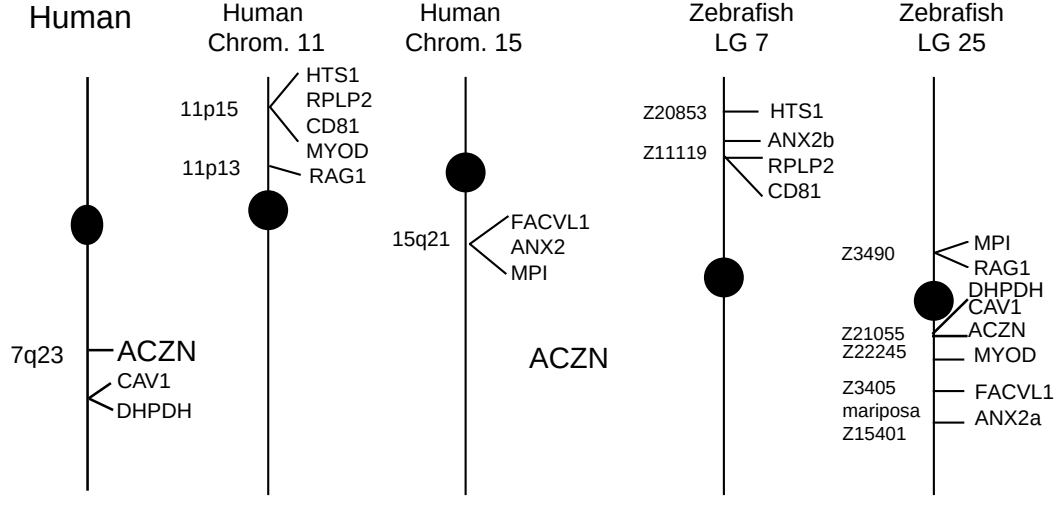
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