MView 10/02/2022, 22:32

Reference sequence (1): EAZ51215.1 Identities normalised by aligned length. Colored by: identity

```
cov
                                           pid
                               100.0% 100.0%
1 EAZ51215.1
                                                      -MADREEALREFVAVTGAEEERARFFLESAGWDLQIALASFYEDGGD--------EDILTLPQ---
MAAERQEALREFVAVTGAEEDRARFFLESAGWDLQIALASFYEDGGD------EDIVTISQ---
2 sp|Q5ZK10.1|NSF1C CHICK 99.0%
                                        16.7%
 sp Q5RBG3.1 NSF1C_PONAB
                                99.0%
                                        16.7%
4 sp Q9UNZ2.2 NSF1C_HUMAN
                                                      {\tt MAAERQEALREFVAVTGAEEDRARFFLESAGWDLQIALASFYEDGGD-------EDIVTISQ---}
                                99.0%
                                        16.7%
5 sp Q3SZC4.1 NSF1C BOVIN
                                                      {\tt MAAERQDALREFVAVTGAEEDRARFFLESAGWDLQIALASFYEDGGD-------EDIVTISQ---}
                                99.0% 16.4%
  sp Q54BQ5.1 NSF1C DICDI
                                                      -MSDHSEAIATFQSITGASKEESTFYLESHDWDLEKAAQTFTTLQEEENQRNDQPQIEEDYEDEE---EDDHRDPMPAS
                                98.0%
                                         15.8%
                                                     sp | 035987.1 | NSF1C RAT
                                 99.0%
                                        15.9%
  sp Q9CZ44.1 NSF1C_MOUSE
                                99.0%
                                        15.9%
                                                      --MDREDILKEFCNRNNIDVSQGRFFLESTNWNYELATALLHEVIPPEEDHGLQPSSDVSKVPEVTGSSSGISGGDQQPP
 sp Q9UT81.1 UBX3 SCHPO
                                95.5%
                                       14.8%
  consensus/100%
                                                      .....
  consensus/90%
                                                      ...+p-hltpF.shsshp.ppupFaLEStsWshphAht.hhp...ps.t.s.
.ht-Rp-AL+EFsulTGs-c-cuRFFLESssWDLplAhAoFaEsts-...EDIhshsQ...
  consensus/80%
  consensus/70%
                                   COV
                                           pid
1 EAZ51215.1
                               100.0% 100.0%
                                                     ______
2 sp|Q5ZK10.1|NSF1C CHICK 99.0%
                                                     -----PTPSSVSRGTAASDHRVTSFRDL------VHAOEDDDEEEEGORFYAGGSERSGOOIVGPPRK---KSP
                                         16.7%
3 sp Q5RBG3.1 NSF1C PONAB
                                99.0% 16.7%
                                                     ----ATPSSVSRGTAPSDNRVTSFRDL-----IHDODEDEEEEEGORFYAGGSERSGOOIVGPPRK--KSP
4 sp Q9UNZ2.2 NSF1C HUMAN
                                                      ----ATPSSVSRGTAPSDNRVTSFRDL------IHDQDEDEEEEEGQRFYAGGSERSGQQIVGPPRK--KSP
                                99.0%
                                         16.7%
5 sp Q3SZC4.1 NSF1C BOVIN
                                                      -----ATPSSVSRGTAPSDNRVTSFRDL-------IHDQDEDEEEEEGQRFYAGGSERSGQQIVGPPRK---RSP
                                99.0%
                                        16.4%
6 sp Q54BQ5.1 NSF1C DICDI
                                                      RPVYSKPVAKTV-SKKAPAGGRVGGIRTLSDFNNDDHDHDHSDGDDDEDDRSQQYFTGG-EKSGLVVESAPKKGKNGGS
                                98.0%
                                         15.8%
  sp | 035987.1 | NSF1C RAT
                                                      ----ATPSSVSRGTAPSDNRVTSFRDL------IHDQDEEEEEEGQRFYAGGSERSGQQIVGPPRK--KSP
                                 99.0%
                                         15.9%
  sp Q9CZ44.1 NSF1C MOUSE
                                99.0%
                                         15.9%
                                                      -----ATPSSVSRGTAPSDNRVTSFRDL-------IHDQDEEEEEEGQRFYAGGSERSGQQIVGPPRK---KSP
  sp Q9UT81.1 UBX3_SCHPO
                                                      RPLQRQQNTQGQ---GMKSGTASKKFATL------RDLEGNDESAEEKSHLFTGG-EKSGLSVEDGD----PDPK
  consensus/100%
                                                      consensus/90%
                                                      .....ssps...th.usttstthtsL....c.ptp--pt-ctpphasGG.E+SG..l.sss...ts....ssspoV.ptsAsSssrVsuFRsL.....hHsps---E-EEuQ+aasGG.E+SG.pl.usP+K...cus
  consensus/80%
  consensus/70%
                                           pid 161
                                   cov
                                                     -----SGLAVENPGEYNSNG------RGIPENAIKVV
1 EAZ51215.1
                               100.0% 100.0%
                                                      NELVEDLFKGAKEHGAVAVDRTAKSSGESSKPKPFAGGGYRLGATPEEESAYVA-----GERRHNSVQDVHVVLK
2 sp|Q5ZK10.1|NSF1C_CHICK 99.0%
                                        16.7%
                                                     NELVDDLFKGAKEHGAVAVERVTKSPGETSKPRPFAGGGYRLGAAPEEESAYVA------GEKROHSSODVHVVLK
 sp Q5RBG3.1 NSF1C_PONAB
                                99.0%
                                         16.7%
                                                      NELVDDLFKGAKEHGAVAVERVTKSPGETSKPRPFAGGGYRLGAAPEEESAYVA---------GEKROHSSODVHVVLK
  sp|Q9UNZ2.2|NSF1C_HUMAN
                                99.0%
                                         16.7%
                                                     NELVDDLFKGAKEHGAVAVERVTKSPGETSKPRPFAGGGYRLGAAPEEESAYVA---------GERRRHSGODVHVVLK
5 sp Q3SZC4.1 NSF1C BOVIN
                                99.0%
                                       16.4%
 sp|Q54BQ5.1|NSF1C_DICDI
                                                      GDIVNDVFDSAKRHGAVASNE----KKVEKPDSFDSVGYOLGATDOGNRNVSK-----PKEKDPNSOVVEVKVT
                                98.0%
                                        15.8%
                                                     NELVDDLFKGAKEHGAVAVERVTKSPGETSKPRPFAGGGYRLGAAPEEESAYVA---------GERRRHSGODVHVVLK
  sp | 035987.1 | NSF1C RAT
                                99.0%
                                        15.9%
 sp Q9CZ44.1 NSF1C MOUSE
                                                      NELVDDLFKGAKEHGAVAVERVTKSPGETSKPRPFAGGGYRLGAAPEEESAYVA------GERRRHSGODVHVVLK
                                99.0%
                                         15.9%
                                                     KOLVRDILEKAROHTISPLDEOD--SGPSSLASSWASVGORLGTENEASGSTTPVTOSGPPRENPPTESOPEKPLRRTLY
  sp Q9UT81.1 UBX3 SCHPO
                                 95.5%
                                        14.8%
                                                      .....h.sp.st.asusG.....thhlh
  consensus/100%
  consensus/90%
                                                      .....h.sp.st.asusG.....s...thhlh
  consensus/80%
                                                      tplVpDlhctA+pHshss.pc....sttsppPpsasusG.pLGstsptptshs......s.pcpps.pslclhlh
                                                      s-LVcD1FcuAKcHGAVA1-c.s.SsGco5KPcsFAusGYRLGAssEtpuuhss....scc+ppus0-V+VsLp
  consensus/70%
                                           pid 241
1 EAZ51215.1
                               100.0% 100.0%
                                                     LYKNGFIIDDEEFRDISIPENEAFIRDIKNSVAPEELRKRSKNNOTINVAVDDRSSEIYVPP-KKPMEMFSGSGNSLGOT
2 sp|Q5ZK10.1|NSF1C_CHICK 99.0%
                                       16.7%
                                                     sp Q5RBG3.1 NSF1C_PONAB
                                99.0%
                                        16.7%
                                                      \textbf{LwksGfsldngelrsyodpsnaoflesIrrgevpaelrrlahg-govnldmedhrdedfvkp-kgafkaftgegoklgstabkerfungerdedfvkp-kgafkaftgegoklgstabkerfungerdedfvkp-kgafkaftgegoklgstabkerfungerdedfvkp-kgafkaftgegoklgstabkerfungerdedfvkp-kgafkaftgegoklgstabkerfungerdedfvkp-kgafkaftgegoklgstabkerfungerdedfvkp-kgafkaftgegoklgstabkerfungerdedfvkp-kgafkaftgegoklgstabkerfungerdedfvkp-kgafkaftgegoklgstabkerfungerdedfvkp-kgafkaftgegoklgstabkerfungerdedfvkp-kgafkaftgegoklgstabkerfungerdedfvkp-kgafkaftgegoklgstabkerfungerdedfvkp-kgafkaftgegoklgstabkerfungerdedfvkp-kgafkaftgegoklgstabkerfungerdedfvkp-kgafkaftgegoklgstabkerfungerdedfvkp-kgafkaftgegoklgstabkerfungerdedfvkp-kgafkaftgegoklgstabkerfungerdedfvkp-kgafkaftgegoklgstabkerfungerdedfvkp-kgafkaftgegoklgstabkerfungerdedfvkp-kgafkaftgegoklgstabkerfungerdedfvkp-kgafkaftgegoklgstabkerfungerdedfvkp-kgafkaftgegoklgstabkerfungerdedfvkp-kgafkaftgegoklgstabkerfungerdedfvkp-kgafkaftgegoklgstabkerfungerdedfvkp-kgafkaftgegoklgstabkerfungerdedfvkp-kgafkaftgegoklgstabkerfungerdedfvkp-kgafkaftgegoklgstabkerfungerdedfvkp-kgafkaftgegoklgstabkerfungerdedfvkp-kgafkaftgegoklgstabkerfungerdedfvkp-kgafkaftgegoklgstabkerfungerdedfvkp-kgafkaftgegoklgstabkerfungerdedfykp-kgafkaftgegoklgstabkerfungerdedfykp-kgafkaftgegoklgstabkerfungerdedfykp-kgafkaftgegoklgstabkerfungerdedfykp-kgafkaftgegoklgstabkerfungerdedfykp-kgafkaftgegoklgstabkerfungerdedfykp-kgafkaftgegoklgstabkerfungerdedfykp-kgafkaftgegoklgstabkerfungerdedfykp-kgaffykp-kgaffykp-kgaffykp-kgaffykp-kgaffykp-kgaffykp-kgaffykp-kgaffykp-kgaffykp-kgaffykp-kgaffykp-kgaffykp-kgaffykp-kgaffykp-kgaffykp-kgaffykp-kgaffykp-kgaffykp-kgaffykp-kgaffykp-kgaffykp-kgaffykp-kgaffykp-kgaffykp-kgaffykp-kgaffykp-kgaffykp-kgaffykp-kgaffykp-kgaffykp-kgaffykp-kgaffykp-kgaffykp-kgaffykp-kgaffykp-kgaffykp-kgaffykp-kgaffykp-kgaffykp-kgaffykp-kgaffykp-kgaffykp-kgaffykp-kgaffykp-kgaffykp-kgaffykp-kgaffykp-kgaffykp-kgaffykp-kgaffykp-kgaffykp-kgaffykp-kgaffykp-kgaffykp-kgaffykp-kgaffykp-kgaffykp-kgaffykp-kgaffykp-kgaffykp-kgaffykp-kgaffykp-kgaffykp-kgaffykp-kgaffykp-kgaffykp-kgaffykp-kgaffyk
4 sp Q9UNZ2.2 NSF1C_HUMAN
                                99.0%
                                        16.7%
                                                     \textbf{L} \texttt{WKS} \textbf{G} \texttt{FSLDNG} \texttt{ELRSYQDPS} \texttt{NAQFLESIRRGEVPA} \textbf{ELRLAHG} - \texttt{GQVNLDMEDHRDEDFVKP} - \texttt{KGAFKAFT} \textbf{GEGQKLG} \textbf{GST}
5 sp Q3SZC4.1 NSF1C_BOVIN
                                99.0%
                                        16.4%
                                                     6 sp Q54BQ5.1 NSF1C_DICDI
                                98.0%
                                         15.8%
                                                      FWNOGFTIDDGPLRKYDNPENKELLDDTORGTVPRELOKKATTPNGLSVTLINNHNODYVEPAKPKYVAFSGGGOTLGSS
7 sp|035987.1|NSF1C RAT
                                                     LWKTGFSLDNGDLRSYODPSNAOFLESIRRGEVPAELRRLAHG-GOVNLDMEDHRDEDFVKP-KGAFKAFTGEGOKLGST
                                99.0%
                                        15.9%
8 sp Q9CZ44.1 NSF1C_MOUSE
                                                     {\tt LWKTGFSLDNGDLRSYQDPSNAQFLESIRRGEVPAELRRLAHG-GQVNLDMEDHRDEDFVKP-KGAFKAFTGEGOKLGST}
                                99.0%
                                         15.9%
 sp Q9UT81.1 UBX3_SCHPO
                                                     FWRNGFSVDDGPIYTYDDPANQEMLRYINSGRAPLHLLGVSMN-QPIDVVVQHRMDEDYVAP----FKPFSGKGQRLGST
                                95.5%
                                        14.8%
  consensus/100%
                                                      happGF.lDst.hhphp.PtNtthlc.Ippu.sP.cL.thuhs.t.lslsh.pp.sp.aV.P....h..FoGtGppLGpo
                                                     happGF.lDst.hhphp.PtNtthlc.Ippu.sP.cL.thuhs.t.lslsh.pp.sp.aV.P....h..FoGtGppLGpo
  consensus/90%
                                                     hw+sGfolDsG.lrsypsPpNtphLcsIppG.sPtELp+hups.ttlslshpc+psE-aVtP.K..acsFoGpGDpLGST
LwksGfslDsG-LroypDPuntpfL-sI+rGcVPtELr+lA+s.splnlsh-D++DEDaVcP.kssFkAFoGcGD+LGST
  consensus/80%
  consensus/70%
                                           pid 321
                                   cov
                                                      RSSALQVNI-----ESEAQVTVDKNKPTTNIQLRFHNGQKKVVTLNHDHTIADLHCIFMECA
1 EAZ51215.1
                               100.0% 100.0%
                                                      APQVLSTSSPAQQA-----ENEAKASSAIAIDESEPVTNIQIRLADGGRLVQKFNHNHRIRDIRLFIVDAR
2 sp|Q5ZK10.1|NSF1C CHICK 99.0%
                                        16.7%
  sp Q5RBG3.1 NSF1C PONAB
                                                      APQVLSTSSPAQQA-----ENEAKASSSILIDESEPTTNIQIRLADGGRLVQKFNHSHRISDIRLFIVDAR
                                99.0%
                                         16.7%
 sp Q9UNZ2.2 NSF1C HUMAN
                                                      APOVLSTSSPAOOA-----ENEAKASSSILIDESEPTTNIOIRLADGGRLVOKFNHSHRISDIRLFIVDAR
                                99.0%
                                        16.7%
  sp | Q3SZC4.1 | NSF1C_BOVIN
                                99.0%
                                                      APQILNTSSPAQQA-----ENEAKASSSISIDESQPTTNIQIRLADGGRLVQKFNHSHRISDIRLFIVDAR
                                         16.4%
  sp Q54BQ5.1 NSF1C_DICDI
                                98.0%
                                                      15.8%
                                                     APQVLNTSSPAQQA------ENEAKASSSILINEAEPTTNIQIRLADGGRLVQKFNHSHRISDIRLFIVDAR
APQVLNTSSPAQQA-----ENEAKASSSILINEAEPTTNIQIRLADGGRLVQKFNHSHRISDIRLFIVDAR
  sp | 035987.1 | NSF1C_RAT
                                99.0%
                                        15.9%
 sp Q9CZ44.1 NSF1C_MOUSE
                                99.0%
                                        15.9%
  sp Q9UT81.1 UBX3_SCHPO
                                95.5%
                                        14.8%
                                                      {\tt YMQPRMSQMPGGLYTDTSTSSSVPINVKPNSTTPH} \textbf{A} {\tt SLQIDENKPTTRIQVRLSNGGRTVLTVNLSHTLHDIYEAVRA--}
  consensus/100%
                                                      ..p...sp.....s.utl.lspspPsTplQlRhtsGt+hs.phNhsHpltDlh.hh.t..
  consensus/90%
                                                      ..p...sp.....s.utl.lspspPsTplQlRhtsGt+hs.phNhsHpltDlh.hh.t..
  consensus/80%
                                                      tspshpss.sst.....spspspuul.lscspPTTsIQlRLusGuRhV.phNHsHplpDlh.hlhsst
  consensus/70%
                                                     usQsLsossPupps.....pNpscusSSI.IDEucPTTNIQIRLAsGGRLVppFNHSHpIpDI+haIs-up
                                           pid 401
                                   COV
1 EAZ51215.1
                               100.0% 100.0%
                                                     PV--DGEYOLVSGFPPKEIKFDPSTTLKNAGLLOETISONLI
2 sp|Q5ZK10.1|NSF1C_CHICK 99.0%
                                                     PAMAATSFVLMTTFPNKELTDE-NQTLKEANLLNAVIVQRLT
                                       16.7%
3 sp Q5RBG3.1 NSF1C_PONAB
                                99.0%
                                         16.7%
                                                      PAMAATSFILMTTFPNKELADE-SQTLKEANLLNAVIVQRLT
4 sp Q9UNZ2.2 NSF1C HUMAN
                                99.0%
                                                     PAMAATSFILMTTFPNKELADE-SQTLKEANLLNAVIVQRLT
                                         16.7%
                                                      PAMAATSFVLMTTFPNKELADE-NQTLKEANLLNAVIVQRLT
5 sp Q3SZC4.1 NSF1C BOVIN
                                99.0%
                                         16.4%
6 sp | Q54BQ5.1 | NSF1C DICDI 98.0%
                                                      --GSNQSFDLLTGFPQKPVTNPTSTTLKDAGLLNALLIQKLK
                                        15.8%
```

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7 sp | 035987.1 | NSF1C_RAT | 99.0% | 15.9% | PAMA |
8 sp | Q9CZ44.1 | NSF1C_MOUSE | 99.0% | 15.9% | PAMA |
9 sp | Q9UT81.1 | UBX3_SCHPO | 95.5% | 14.8% | --VS |
| consensus/100% | |
| consensus/90% | |
| consensus/70% | Pshu

PAMAATSFVLMTTFPNKELADE-NQTLKEANLLNAVIVQRLT
PAMAATSFVLMTTFPNKELADE-NQTLKEANLLNAVIVQRLT
--VSPGNFILSVPFPAKTLEDDPSVTVEAASLKNASLVQKSL
...stpa.L.ssFP.K.lt...s.TlctAsLhpt.l.Qp.h
...stpa.L.ssFP.K.lt...s.TlctAsLhpt.l.Qp.h
..husssF.LhosFPsKplts-.spTLKpAsLLNAsllQ+Lh
PshussSFlLhTsFPsKELsD-.spTLK-AsLLNA1IVQ+Lp

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