```
logo
NTDB id 203658 K01M1 RS13295 WP 086047026.1  ..................................................MFKFYKKQKFKRLQSTLMTAFLVLSITPLTIT   32
NTDB id 1143 A1552VC RS01965 WP 001883436.1  MRLCPRFSLDLLVKVKKLVNFVTLGFSCLSPTHAWRSPQSFTESNTLIMFRFYRKQKFKRLQNTLMAAFLALSIIPLTIT   80
consensus                                    **************************************************!!*!!*!!!!!!!! !!! !!! !!! !!!!!

logo

NTDB id 203658 K01M1 RS13295 WP 086047026.1  AIFFLQSHSKDLQEQSTSHLLSVRDTKQQQIIDYFEARETEVMGFVRSELAYASGGRFYGLVNAFSRLGNDIEESRKNAQ  112
NTDB id 1143 A1552VC RS01965 WP 001883436.1  ALFFLHSHSKDLEQQSTSYLVSVRDNKQQQVIDYMMAKESEVMGFVRSELAYASGGRFYGLVNAFQRLDVSIEAAREHAQ  160
consensus                                    !*!!!*!!!!!!  !!!!*!*!!!! !!!!*!!!  !*!*!!!!!!!!!!!!!!!!!!!!!!!!! !!   !!  ! *!!

logo

NTDB id 203658 K01M1 RS13295 WP 086047026.1  QRYIEGSGDQIKTSTLPESSNYVGSERYRLLHKRYHWAYLELLKRSDFNDILLVDINGNVTYSINKDDNYGTNLLSGPYK  192
NTDB id 1143 A1552VC RS01965 WP 001883436.1  QRYITGSGDQIKTSVLPQSSSYVGSERYRLLHKRYHWAYLELLKRSDFDDILLVDIDGNVVYSIYKYDNFGTNLLTGKYQ  240
consensus                                    !!!! !!!!!!!!! !! !! !!!!!!!!!!!!!!!!!!!!!!!!! !!!!!!! !!! !!! ! !!*!!!!!*!*!

logo

NTDB id 203658 K01M1 RS13295 WP 086047026.1  DSALGKTFKRLADDVTERRKVNEDYTPVIVSDFELEGGKSVAWLGAPIVQQGYLHSYAMFRLPNNGITKLAADANRESSI  272
NTDB id 1143 A1552VC RS01965 WP 001883436.1  DTNLGHTFKRLEQTVNEQRKTNEDFTPVVISDFVQEDGKQYAWLGAPIIQQGYLHSYAMFRLPSNAITKLIAEGSSNPSM  320
consensus                                    !* !!*!!!!!   ! ! !! !!!*!!!**!!!  ! !!  !!!!!!!*!!!!!!!!!!!!!! !*!!!! !**   *!*

logo

NTLLVGNDHQPRTINTKQDDIKNSLEVIDKALSGAFGVGTYTNGLGEEIIAAYAPIETRGVIWALVVQLPENEAFARIHQ  352
NTDB id 1143 A1552VC RS01965 WP 001883436.1  QTILVGQDHRSRTLTSAEIAVEKSKAVVDLALSGKRAVGTYTNTDGEQIIAAYAPINLKNIHWALVVELPEKEAFARVRQ  400
consensus                                    *!*!!!*!! *!!* *    *  !  !*! !!!!  *!!!!!!  !! !!!!!!!!  * **!!!!! !!! !!!!!**!

logo

NTDB id 203658 K01M1 RS13295 WP 086047026.1  LEKLFVIAMLIAIILVVIASHYLSNFITSPLLKLTWVAEKVSAGDLDDTSFNTVRKDEIGRLALSFERMQRSIREKIQTI  432
NTDB id 1143 A1552VC RS01965 WP 001883436.1  LEKLFVFAMLTAIVLVVIASHYLSNFITSPLLKLTWAAERVSAGDLDEAMINTERKDEIGRLAVSFERMQRSIREKISLI  480
consensus                                    !!!!!! !!! !!*!!!!!!!!!!!!!!!!!!!!!! !!*!!!!!!!*   !! !!!!!!!!!*!!!!!!!!!!!!!  !

logo

NTDB id 203658 K01M1 RS13295 WP 086047026.1  KKQNEELESNIQIIQKQNEELQLADKLKDEFLATTSHELRTPLHGMVGIAETLASGANGAIPASQKYQLDIIIKSGQRLA  512
NTDB id 1143 A1552VC RS01965 WP 001883436.1  KSQNKELESNLLIIRKQNDELQLANKLKDEFLATTSHELRTPLHGMIGIAEALISGANGPISAAHKYQLDIIISSGQRLA  560
consensus                                    ! !! !!!!!* !! !!!*!!!!! !!!!!!!!!!!!!!!!!!!!!*!!!!! ! !!!!!*!*! *!!!!!!!! !!!!!!
```

```
logo

NTDB id 203658 K01M1 RS13295 WP 086047026.1  NLVDDLLDYHKMRYGSMDIQKSAVSLGSATRLVLELSSHLLGSKTIRIINQVPADLKAVSADPQRLEQVLYNLIGNAIKY   592
NTDB id 1143 A1552VC RS01965 WP 001883436.1  TLVDDLLDYHKMRYGALDIQRCAVDLSSATRLVLELSHHLLGKKTLRIINQVSEQPVWVSADPQRLEQVLYNLIGNAIKY   640
consensus                                     !!!!!!!!!!!!!!! *!!!**!! ! !!!!!!!!!!*!!!! !!*!!!!!!*  *  !!!!!!!!!!!!!!!!!!!!!!

logo

NTDB id 203658 K01M1 RS13295 WP 086047026.1  TSEGKIVISANVVDDHVRVQVVDTGQGIPAEQLEHIFEPLIQAGQDASRYRQGAGLGLSISRQLIELMGGSLYVSSQPMV   672
NTDB id 1143 A1552VC RS01965 WP 001883436.1  TSEGKIVISATYIDDKVRVQVVDTGQGIPAEQLEHIFEPLIQAGHDASRYRQGAGLGLSISRQLIELMHGTLYVSSQPMV   720
consensus                                    !!!!!!!!!!!  *!!*!!!!!!!!!!!!!!!!!!!!!!!!!!!!!*!!!!!!!!!!!!!!!!!!!!!!!!!!*!*!!!!!!!!!

logo

NTDB id 203658 K01M1 RS13295 WP 086047026.1  GTTFSFTLPLASEEEIQATQTLAAHGHFQIPEVN.VENREDLSLPENPDGPLLYVADDEPVNLRVLESFLRLEGYRVRTV   751
NTDB id 1143 A1552VC RS01965 WP 001883436.1  GTTFSFTLPLASEEEIAQAR.LTELPHFQAPEVLDSELPEQSNLPENEHGPLLLVADDEPVNLRVLDSFLRLEGYRVHTA   799
consensus                                    !!!!!!!!!!!!!!!!!    *!  **!!! !!! * ! *!   !!!!**!!!! !!!!!!!!!!!!*!!!!!!!!!!*!

logo

NTDB id 203658 K01M1 RS13295 WP 086047026.1  SDGPETLALVEQEKPELLLLDIMMPGMSGYQVCSELRETYDHAELPIIMLTALSQTEDRVRGFEAGANDYLSKPFNKQEL   831
NTDB id 1143 A1552VC RS01965 WP 001883436.1  QDGHQVLEAIKREKPELVLLDIMMPGMSGYQVCEKLRQTYDHAELPIIMLTALNQSDDRVRGFEAGANDYLSKPFNKQEL   879
consensus                                     !!   !  *  !!!!!*!!!!!!!!!!!!!!!  !! !!!!!!!!!!!!!!! !**!!!!!!!!!!!!!!!!!!!!!!

logo

NTDB id 203658 K01M1 RS13295 WP 086047026.1  AARIQAHLTASKAEMRHMENKVLESELRQRAVVEASLLETQGRLLEQLESAPEAILCLREDKRIRFANEAACKLFKRSLE   911
NTDB id 1143 A1552VC RS01965 WP 001883436.1  AARIVAHLTASKAELRRIENAQLQKELKHRAMVEASLLETQGRLLEQLESAPEAILCVKEGNKVRFANEAAARLFRRTPE   959
consensus                                    !!!! !!!!!!!!!*!**!!  !  !!**!!*!!!!!!!!!!!!!!!!!!!!!!!!!!*!***!  **!!!!!!!**!!*!**!

logo

NTDB id 203658 K01M1 RS13295 WP 086047026.1  QLKRSSADELIAPKYLTVKQPHYCGKIDIYIEDIRQNIEADILKLPEGSGLDIMYIFNVGGGASAARIHNLETAVEVLSS   991
NTDB id 1143 A1552VC RS01965 WP 001883436.1  QLKRSNAEELIAPKFLNIEQEHYCGNIDVYVDDVRQHLSADVLRLPQGSGLQAMYIFNVGGSVNAARIHNLETAVEALSS  1039
consensus                                    !!!!! !*!!!!!!*! * !*!!!! !!*!**!*!!** !!*!*!! !!!!  !!!!!!!!   !!!!!!!!!!!! !!!

logo

NTDB id 203658 K01M1 RS13295 WP 086047026.1  YAFDGDKDQLQKLKELGGEFTRLADKALGNKKDKQELMREVLVDAMTHALEYWESVSGESKFAFAEQSGLWRVYLDRSTL  1071
NTDB id 1143 A1552VC RS01965 WP 001883436.1  YAFEGDKDKLQKLKELGGEFTRLADKASGEYQSKQDLMRAVLVEAMTSALNYWERVSGQSKFTFAEQSGLWRVYLDRSTL  1119
consensus                                    !!!*!!!! !!!!!!!!!!!!!!!!!! !    !!*!!! !!!*!!!*!! !!! !!! !!! !!!!!!!!!!!!!!!!!
```

```
logo
NTDB id 203658 K01M1 RS13295 WP 086047026.1  QTRTLDKYMRIETLPKTPRWRTVLSSIEFILEHCKEQSPERAYIEAQRDKLQRLLTS.  1128
NTDB id 1143 A1552VC RS01965 WP 001883436.1  QTRTLDKYLRIETLPKTPRWRTVLNSLDYILEHCKEAGPERTHIEMQRDKLQKLLTSE  1177
consensus                                    !!!!!!!!*!!!!!!!!!!!!!!! !***!!!!!!!  !!! *!! !!!!!!*!!!!*
```

X non conserved

X similar

X $\geq$ 50% conserved