```
logo
NTDB id 127877 JV59 RS19705 WP 040121666.1   MA.LLTRRGSKSRLATLLTRSIFLTIGVLSLVMVFQNYQVNRQVVSQEVARSKLQTQSLVQQIFNFRLKALEIQQDSYSR   79
NTDB id 1164 A1552VC RS18025 WP 001026306.1  MNIRPSQIKHKQRIASFITHAVVVVMGVLIVSVLFQSYQISSRLMAQEGQRTSVQTSSLIQSLFDFRLAALRIHQDSTAK   80
consensus                                    ! * **   *! !*!* *!* * * *!!! * **!! !!*   ** !!  !* *!! !!*! *! !!! !! !*!!!  *

logo
NTDB id 127877 JV59 RS19705 WP 040121666.1   NESLVEAFAESNVNGLDRFFNGIDQAAPELAPDFRFITAETEVVWDDSNYQFYGISPDQLSHLSDDMTTGGSWHLSQTPS   159
NTDB id 1164 A1552VC RS18025 WP 001026306.1  NASLINALVSRDSSRLDEFFSSVDELELSNAPDLRFISSHDNILWDDGNASFYGIAQQELNKLIRRVAISGNWHLVQTPS   160
consensus                                    ! !!* !        !! !!  *!   *  !!! !!!* *  **!!! !  !!!! *  ! *!   *   ! !!! !!!!

logo
NTDB id 127877 JV59 RS19705 WP 040121666.1   LLGTRYLMVRRVPIINMASGEVLGYLHIGVVMNNNFALINALLRGSNADQILLSVGSEVIASSTKDKDFRHIEWLEESAL   239
NTDB id 1164 A1552VC RS18025 WP 001026306.1  EGKSVHILMRRSSLIEAGTGQVVGYLYVGIVLNDNFALLENIRSGSNSENLVLAVDTTPLVSTLKGNEPYSLDYVVHSAK   240
consensus                                       * ****!! **!   **! !*!!!**!*!*! !!!!*  *  !!! ****! ! * ** !* !  ** ***** *!!

logo
NTDB id 127877 JV59 RS19705 WP 040121666.1   DFTASKYMVSKTDLTISNVATFLSIYTIQDNQSIVILMRSHYIWVAVAGLLLVFIAIYSRLWLGKRVSKELANLMRYTES   319
NTDB id 1164 A1552VC RS18025 WP 001026306.1  DAMRDSFIVGQTFLEVESVPTYLCVYSIQTNQNVLTLRDNFYFWMAFALISMIGVSIASRWWLQKRIQREIETLMNYTHK   320
consensus                                    !     **!  ! ! *  !*!*!**!*!! !! ** !   *! !*! ! * ** * ! !! !! !!* *!*  !! !!*

logo
NTDB id 127877 JV59 RS19705 WP 040121666.1   TVEIKDASKFPGSPIEEFDQIGQSFELSFQRLSEQEKQFADLFNFSLSPITLWDVEGKLIRSNPAAERSFRVEMGDEQND   399
NTDB id 1164 A1552VC RS18025 WP 001026306.1  LMDLDTKSEFIGSKIYEFDYFGRTLEQSFRRLANKEKQFEDLFNFALSPTMLWNTSGRLIRMNPSAQIQFLREDAQNHFL   400
consensus                                     ***   ! !*!!*! !!!  ! * ! !! !!  !!!! !!!!! !!!  !!   !*!!! !! !   !  ! *  *

logo
NTDB id 127877 JV59 RS19705 WP 040121666.1   YQLLVEKLGPHIRMCAKGATLTGINIAIREKTYRWNLSPIFVDKGINNIMAQGQDVTSFVDAEIQSQAARKEAEESARVR   479
NTDB id 1164 A1552VC RS18025 WP 001026306.1  FEILERQLLPTITNAAQGNNPSDVTTEVDGRVYRWNLSPIMVEGQIISIITQGQDITTIAEAEKQSQAARREAEESARVR   480
consensus                                    * *!   ! !*!  *! !  ** *   *  * !!!!!!!! !*  !  !* !!!!*!*  *!! !!!!!!*!!!!!!!!!

logo
NTDB id 127877 JV59 RS19705 WP 040121666.1   ADFLAKMSHELRTPLNGILGVSQLLKGKISNTDDIEHLDVLCNSGEHLLAVLNDILDFSKIEQGKFHIQSADFRLVELIS   559
NTDB id 1164 A1552VC RS18025 WP 001026306.1  AEFLAKMSHELRTPLNGVLGVSQLLKRTPLNDEQREHVAVLCSSGEHLLAVLNDILDFSRLEQGKFRIQKNEFRLKELVC   560
consensus                                    !*!!!!!!!!!!!!!!!!*!!!!!!!!  * ! *  !!* !!! !!!!!!!!!!!!!!!!!**!!!!!*!!  *!!! !!**
```

```
logo
NTDB id 127877 JV59 RS19705 WP 040121666.1   AVEKIYTPLCDEKGIGFVVETNVSNNTFAHSDQVRLNQILFNLVSNAIKFTHEGEVTVSLFCDGESPESRLNISVRDTGI   639
NTDB id 1164 A1552VC RS18025 WP 001026306.1  AIDRIYRPLCNEKGLELVVNSNITTAAIVRSDQIRINQILFNLLNNAIKFTHQGSIRVELQLIEGDPLAQLVIQVVDTGI   640
consensus                                    !***!! !!! !!!*  !! *!**     *!!!*!*!!!!!!!* !!!!!!! ! * ! ! *    !   ! ! ! !!!!

logo
NTDB id 127877 JV59 RS19705 WP 040121666.1   GIERERISHIFEPFVQAEATTTREYGGSGLGLAIVHSLVEMLNGQIEIESSIGCGTKFSLSVPIELTESVEQVETSTFLI   719
NTDB id 1164 A1552VC RS18025 WP 001026306.1  GIREQDLTVIFEPFMQAESTTTREYGGSGLGLTIVHSLVEMLSGQLHVSSEYGIGTRFEIQLPIELVEKPDAPQQLLPAP   720
consensus                                    !!     ***!!!!!*!!! !!!!!!!!!!!!! !!!!!!!!! !!*** !  !*!!*! * *!!!! ! ** *    * *

logo
NTDB id 127877 JV59 RS19705 WP 040121666.1   EPENLFDRTLNVLLVEDNHTNAFIAKAFCEKYGMDVSWVQDGHNAIDHLKKSDNVDLILMDNQLPNLGGIETTKIIREDL   799
NTDB id 1164 A1552VC RS18025 WP 001026306.1  DPQPLFDKTLRVLLVEDNHTNAFIAQAFCRKYGLDVSWVTDGLQAIEELKIH.DYDLVLMDNQLPYLDGVETTRTIKKVL   799
consensus                                    *! *!!!*!! !!!!!!!!!!!!!! !!! !!!*!!!!! !!**!!**!! **  !!*!!!!!!! ! !*!!!* !*  !

logo
NTDB id 127877 JV59 RS19705 WP 040121666.1   KLDIPIFACTADGMQDTKRAFLSVGADYVIVKPIKELALNQAFIHYKEEFLTKLEEC.   856
NTDB id 1164 A1552VC RS18025 WP 001026306.1  HLPVVVYACTADGLEETRQAFFHAGAEYVLVKPLKEQTLHKALEHFKHHHGQKNAGLN   857
consensus                                    *!*****!!!!!!* *!* !! * !!*!!*!!!*!!  !* !  !*!***  !   **
```

X non conserved

X similar

X $\geq$ 50% conserved