logo

```
NTDB id 1002 ACIAD RS15100 WP 004923779.1     .....MNAQKGFTLIELMIVIAIIGILAAIAIPAYTDYTVRARVSEGLTAASSMKTTVSENILNAGALVAGTPSTAGS.S    74
NTDB id 1274 LPP RS09530 WP 011214168.1       ......MRQKGFTLIELMIVVAIIGILAAIAIPAYQDYTIRARVTEGLTLADSAKLAVSETAITNNALPATQAATGYV..    72
NTDB id 1258 GCO85 RS09745 WP 014844212.1     ......MRQKGFTLIELMIVVAIIGILAAIAIPAYQDYTIRARVTEGLTLADSAKLAVSETAITNNALPATQAATGYV..    72
NTDB id 1079 FDQ49 RS11140 WP 022575996.1     .....MNAQKGFTLIELMIVVAIIGILAAIAIPAYQNYIAKSQASEAFTLADGLKTTINTNLQAGTCFAGGAT.......    68
NTDB id 1184 GTF74 RS02335 WP 000649326.1     MKAYKNKQQKGFTLIELMIVVAVIGVLAAIAIPQYQNYVKKSAIGVGLANITALKTNIEDYIATEGSFPATTAGTAAGFT    80
NTDB id 1167 A1552VC RS11065 WP 000649326.1   MKAYKNKQQKGFTLIELMIVVAVIGVLAAIAIPQYQNYVKKSAIGVGLANITALKTNIEDYIATEGSFPATTAGTAAGFT    80
NTDB id 1160 ABDM36 RS02330 WP 000649326.1    MKAYKNKQQKGFTLIELMIVVAVIGVLAAIAIPQYQNYVKKSAIGVGLANITALKTNIEDYIATEGSFPATTAGTAAGFT    80
NTDB id 1292 VP RS12235 WP 005479693.1        MKHSKQKKQQGFTLIELMIVVAIIGVLAAAAIPAYQNYVTRSEVTSGLATVKALITPAELHYQENGIAAA.........A    71
NTDB id 1038 HON27 RS01510 WP 000993725.1     .....MNAQKGFTLIELMIVVAIIGILAAIAIPQYQNYIAKSQVNSGFSEISSIKTGYENAVNEGAVPTKLSD.......    68
NTDB id 1197 PSJM300 03940 AFN76866.1         ...MKAQMQKGFTLIELMIVVAIIGILAAIALPAYQDYTVRSNAAAALAEITPGKIGFEQAINEGKTPSLTS.......T    70
NTDB id 1204 PSJM300 03935 AFN76865.1         .MKPVKSSCRGFSLIELMIVVAIIGILAAIALPAYQNYTVRSTAASALAEITPAKAAFEQAISEGHTPSLVS.......S    72
NTDB id 366485 FF962 RS28890 WP 069953233.1   .....MKAQKGFTLIELMIVVAIIGILAAIAIPQYQNYVARSEGASALATINPLKTTVEESLSRGITGTNIKIGTDPSTA    75
NTDB id 1192 PAKAF RS23870 WP 024947914.1     .....MKAQKGFTLIELMIVVAIIGILAAIAIPQYQNYVARSEGASALASVNPLKTTVEEALSRGWSVK.SGTGTEDATK    74
consensus                                           **!!*!!!!!!!*!*!!*!!!*!*!  !**!* ** *  *** *  *** *** *        *    *
```

logo

```
NTDB id 1002 ACIAD RS15100 WP 004923779.1     CVGVQEISASNA.TTNVATA.TCGASSAGQIIVTMDTT....KAKGANITLTPT.YASGAVTWKCTTT.S.DKKYVPSEC   145
NTDB id 1274 LPP RS09530 WP 011214168.1       .........SPAA.TPNVASI.AIGA..NGVITITY.TA....AAGGGTIVMTPTLQANGDVTWTCTGG.TLLAKYRPASC   134
NTDB id 1258 GCO85 RS09745 WP 014844212.1     .........SPAA.TPNVQSI.AIGA..NGVITITY.TA....AAGGGTIIMTPTLQANGDVTWTCTGG.TLLAKYRPASC   134
NTDB id 1079 FDQ49 RS11140 WP 022575996.1     .....AVTAADKVSGKYGDAEIGGTAPNCTITYTFKSSGVSNKLTSTKIVMNVS....ETGILTKNSGTDTPVELLPQSF   139
NTDB id 1184 GTF74 RS02335 WP 000649326.1     RLGTVE...DMG.DGKIVIAPTASGALGGTIKYTFDAG....VVSSSKIQLARD....ANGLWTCST..TVTSEIAPKGC   146
NTDB id 1167 A1552VC RS11065 WP 000649326.1   RLGTVE...DMG.DGKIVIAPTASGALGGTIKYTFDAG....VVSSSKIQLARD....ANGLWTCST..TVTSEIAPKGC   146
NTDB id 1160 ABDM36 RS02330 WP 000649326.1    RLGTVE...DMG.DGKIVIAPTASGALGGTIKYTFDAG....VVSSSKIQLARD....ANGLWTCST..TVTSEIAPKGC   146
NTDB id 1292 VP RS12235 WP 005479693.1        TLAQLGVDVAANDLGAIDSA...LAGGSPTLTFTFD...ADSSIDGGILTFTRD....AATGWSCLP..TAPAI.AVDGC   138
NTDB id 1038 HON27 RS01510 WP 000993725.1     .VGFTA..ATSSVCATYSIDAFTETDGAGKITCTLK...GNPKIATKIVELTRS....TDGAWTCVS..DVPTEFLPKGC   136
NTDB id 1197 PSJM300 03940 AFN76866.1         DEGYIGITDSTSYCD.VDLD....TAADGHIECTAK.GGNAGKFDGKTITLNRT....ADGEWSCAS..TLDAKYKPGKC   138
NTDB id 1204 PSJM300 03935 AFN76865.1         LPGFIGIGASTNYCT.VTLI....ATATGSITCTTQ.NGMPDRFNGKTITIART....TDGLWDCTS..DLDSRYKPGKC   140
NTDB id 366485 FF962 RS28890 WP 069953233.1   TETYVGVAANANKLGLIDVK.IA.DTGAGDITFTFQTGTSSPKNATKVITLNRT....ADGVWACKS..TQDPMFTPKGC   147
NTDB id 1192 PAKAF RS23870 WP 024947914.1     KEVPLGVAADANKLGTIALK.PDPADGTADITLTFTMGGAGPKNKGKIITLTRT...AADGLWKCTS..DQDEQFIPKGC   148
consensus                                       * *          * * *     *   * **  !*  *           * * **    * * ******  **   * *  *
```

logo

```
NTDB id 1002 ACIAD RS15100 WP 004923779.1     RG..........   147
NTDB id 1274 LPP RS09530 WP 011214168.1       RP..........   136
NTDB id 1258 GCO85 RS09745 WP 014844212.1     RP..........   136
NTDB id 1079 FDQ49 RS11140 WP 022575996.1     VAS.........   142
NTDB id 1184 GTF74 RS02335 WP 000649326.1     TAGATIN.....   153
NTDB id 1167 A1552VC RS11065 WP 000649326.1   TAGATIN.....   153
NTDB id 1160 ABDM36 RS02330 WP 000649326.1    TAGATIN.....   153
NTDB id 1292 VP RS12235 WP 005479693.1        S...........   139
NTDB id 1038 HON27 RS01510 WP 000993725.1     TAGTPTEGAITSL  149
NTDB id 1197 PSJM300 03940 AFN76866.1         S...........   139
NTDB id 1204 PSJM300 03935 AFN76865.1         L...........   141
NTDB id 366485 FF962 RS28890 WP 069953233.1   DN..........   149
NTDB id 1192 PAKAF RS23870 WP 024947914.1     SK..........   150
consensus
```

X non conserved
X similar
X $\geq$ 50% conserved