```
logo

NTDB id 1002 ACIAD RS15100 WP 004923779.1     .....MNAQKGFTLIELMIVIAIIGILAAIAIPAYTDYTVRARVSEGLTAASSMKTTVSENILNAGALVAGTPSTAG...   72
NTDB id 1274 LPP RS09530 WP 011214168.1       ......MRQKGFTLIELMIVVAIIGILAAIAIPAYQDYTIRARVTEGLTLADSAKLAVSETAITNNALPATQAATGY...   71
NTDB id 1258 GCO85 RS09745 WP 014844212.1     ......MRQKGFTLIELMIVVAIIGILAAIAIPAYQDYTIRARVTEGLTLADSAKLAVSETAITNNALPATQAATGY...   71
NTDB id 1292 VP RS12235 WP 005479693.1        MKHSKQKKQQGFTLIELMIVVAIIGVLAAAAIPAYQNYVTRSEVTSGLATVKALITPAELHYQENGIAAAAT........   72
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 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 975656 V5E96 RS18765 WP 003112842.1  .....MKAQKGFTLIELMIVVAIIGILAAIAIPQYQNYVARSEGASALATINPLKTTVEESLSRGIAGSKIKIGTTASTA   75
NTDB id 1192 PAKAF RS23870 WP 024947914.1    .....MKAQKGFTLIELMIVVAIIGILAAIAIPQYQNYVARSEGASALASVNPLKTTVEEALSRGWSVK.SGTGTEDATK   74
consensus                                            **!!*!!!!!!!*!*!!*!!!*!*! !**!* ** ** *** ** *** *** *        *** **
```

```
logo

NTDB id 1002 ACIAD RS15100 WP 004923779.1     .SSCVGVQEISASNAT.TNVATATCGASSAGQIIVTMDTTKAKGANITLTPT.YAS.GAVTWKCTTTS.DKKYVPSECRG   147
NTDB id 1274 LPP RS09530 WP 011214168.1       .V.........SPAAT.PNVASIAIGA..NGVITITY.TAAAGGGTIVMTPTLQAN.GDVTWTCTGGTLLAKYRPASCRP   136
NTDB id 1258 GCO85 RS09745 WP 014844212.1     .V.........SPAAT.PNVQSIAIGA..NGVITITY.TAAAGGGTIIMTPTLQAN.GDVTWTCTGGTLLAKYRPASCRP   136
NTDB id 1292 VP RS12235 WP 005479693.1        .LAQLGVDVA.ANDLGAID....SALAGGSPTLTFTFD...ADSSIDGGILTFTRD.AATGWSCLPTA.PA.IAVDGCS.   139
NTDB id 1184 GTF74 RS02335 WP 000649326.1     RL...GTVED..MGDG.KIVIAPTASGALGGTIKYTFDA....GVVSSSKIQLARD.ANGLWTCSTTV.TSEIAPKGCTA   148
NTDB id 1167 A1552VC RS11065 WP 000649326.1   RL...GTVED..MGDG.KIVIAPTASGALGGTIKYTFDA....GVVSSSKIQLARD.ANGLWTCSTTV.TSEIAPKGCTA   148
NTDB id 1160 ABDM36 RS02330 WP 000649326.1    RL...GTVED..MGDG.KIVIAPTASGALGGTIKYTFDA....GVVSSSKIQLARD.ANGLWTCSTTV.TSEIAPKGCTA   148
NTDB id 1038 HON27 RS01510 WP 000993725.1     ....VGFTAATSSVCATYSIDAFT.ETDGAGKITCTLK...GNPKIATKIVELTRS.TDGAWTCVSDV.PTEFLPKGCTA   138
NTDB id 1197 PSJM300 03940 AFN76866.1         DEGYIGITDS.TSYCD.VDLD.....TAADGHIECTAK.GGNAGKFDGKTITLNRT.ADGEWSCASTL.DAKYKPGKCS.   139
NTDB id 1204 PSJM300 03935 AFN76865.1         LPGFIGIGAS.TNYCT.VTLI.....ATATGSITCTTQ.NGMPDRFNGKTITIART.TDGLWDCTSDL.DSRYKPGKCL.   141
NTDB id 975656 V5E96 RS18765 WP 003112842.1  TETYVGVEPD.ANKLG.VIAVAIE..DSGAGDITFTFQTGTSSPKNATKVITLNRT.ADGVWACKSTQ.DPMFTPKGCDN   149
NTDB id 1192 PAKAF RS23870 WP 024947914.1    KEVPLGVAAD.ANKLG.TIALKPD.PADGTADITLTFTMGGAGPKNKGKIITLTRTAADGLWKCTSDQ.DEQFIPKGCSK   150
consensus                                        **          *   *       *   * ** !*      *      *** *  *** !*!***     * * *!*
```

```
logo

NTDB id 1002 ACIAD RS15100 WP 004923779.1     ...........   147
NTDB id 1274 LPP RS09530 WP 011214168.1       ...........   136
NTDB id 1258 GCO85 RS09745 WP 014844212.1     ...........   136
NTDB id 1292 VP RS12235 WP 005479693.1        ...........   139
NTDB id 1184 GTF74 RS02335 WP 000649326.1     GATIN......   153
NTDB id 1167 A1552VC RS11065 WP 000649326.1   GATIN......   153
NTDB id 1160 ABDM36 RS02330 WP 000649326.1    GATIN......   153
NTDB id 1038 HON27 RS01510 WP 000993725.1     GTPTEGAITSL   149
NTDB id 1197 PSJM300 03940 AFN76866.1         ...........   139
NTDB id 1204 PSJM300 03935 AFN76865.1         ...........   141
NTDB id 975656 V5E96 RS18765 WP 003112842.1   ...........   149
NTDB id 1192 PAKAF RS23870 WP 024947914.1     ...........   150
consensus
```

X non conserved
X similar
X ≥ 50% conserved