```
logo
NTDB id 1038 HON27 RS01510 WP 000993725.1     ........MNAQKGFTLIELMIVVAIIGILAAIAIPQYQNYIAKSQVNSGFSEISSIKTGYENAVNEGAVPTKLSDV...   69
NTDB id 1192 PAKAF RS23870 WP 024947914.1     ........MKAQKGFTLIELMIVVAIIGILAAIAIPQYQNYVARSEGASALASVNPLKTTVEEALSRGWSVKSGTGTED.   71
NTDB id 1204 PSJM300 03935 AFN76865.1         ....MKPVKSSCRGFSLIELMIVVAIIGILAAIALPAYQNYTVRSTAASALAEITPAKAAFEQAISEGHTPSLVSSLP..   74
NTDB id 1197 PSJM300 03940 AFN76866.1         ......MKAQMQKGFTLIELMIVVAIIGILAAIALPAYQDYTVRSNAAAALAEITPGKIGFEQAINEGKTPSLTSTDE..   72
NTDB id 1184 GTF74 RS02335 WP 000649326.1     ...MKAYKNKQQKGFTLIELMIVVAVIGVLAAIAIPQYQNYVKKSAIGVGLANITALKTNIEDYIATEGSFPATTAGT..   75
NTDB id 1167 A1552VC RS11065 WP 000649326.1   ...MKAYKNKQQKGFTLIELMIVVAVIGVLAAIAIPQYQNYVKKSAIGVGLANITALKTNIEDYIATEGSFPATTAGT..   75
NTDB id 1160 ABDM36 RS02330 WP 000649326.1    ...MKAYKNKQQKGFTLIELMIVVAVIGVLAAIAIPQYQNYVKKSAIGVGLANITALKTNIEDYIATEGSFPATTAGT..   75
NTDB id 407107 GPX93 RS10845 WP 123162948.1  ...MKAYKNKQQQGFTLIELMIVVAIIGVLAAIAVPAYKDYVKKSQASSALATLKSLVTPAELLIQSDGLISG.......   70
NTDB id 1292 VP RS12235 WP 005479693.1        ...MKHSKQKKQQGFTLIELMIVVAIIGVLAAAAIPAYQNYVTRSEVTSGLATVKALITPAELHYQENGIAAAA......   71
NTDB id 1424 RS RS02795 WP 011000517.1        MKSMRHLNKRVQKGFTLIELMIVVAIVGILAAIAIPAYQDYTVRARVTEGLSLAAQAKALVSENAAN.....AQSDLSVG   75
NTDB id 1191 AAC28468.1 484..945( )           ......MLKKVQKGFTLIELMIVIAIIGILAAIALPAYQDYTARAQATEGFKATAGLQTDLGAWRADRGSFPNAAALVAG   74
consensus                                        **  * * **!!*!!!!!!!*!**!*!!!*!*!*!**!* ** ** *** ** *** **  *   **  * *
```

```
logo
NTDB id 1038 HON27 RS01510 WP 000993725.1     .............GFTAATSSVCATYSIDAFTETDGAGKIT.CTLKG..NPKIATKIVELTRS.............TDGA   120
NTDB id 1192 PAKAF RS23870 WP 024947914.1     .....ATKKEVPLGVAADANKLGTIALKP..DPADGTADITLTFTMGGAGPKNKGKIITLTRT............AADGL   132
NTDB id 1204 PSJM300 03935 AFN76865.1         ..........GFIGIGASTN.YCTVTLI...ATATGS..IT.CTTQNGMPDRFNGKTITIART.............TDGL   124
NTDB id 1197 PSJM300 03940 AFN76866.1         ..........GYIGITDSTS.YCDVDLD...TAADGH..IE.CTAKGGNAGKFDGKTITLNRT.............ADGE   122
NTDB id 1184 GTF74 RS02335 WP 000649326.1     ......AAGFTRLGTVEDMGD.GKIVIAPT.ASGALGGTIKYTFD...AGVVSSSK.IQLARD.............ANGL   130
NTDB id 1167 A1552VC RS11065 WP 000649326.1   ......AAGFTRLGTVEDMGD.GKIVIAPT.ASGALGGTIKYTFD...AGVVSSSK.IQLARD.............ANGL   130
NTDB id 1160 ABDM36 RS02330 WP 000649326.1    ......AAGFTRLGTVEDMGD.GKIVIAPT.ASGALGGTIKYTFD...AGVVSSSK.IQLARD.............ANGL   130
NTDB id 407107 GPX93 RS10845 WP 123162948.1  ........GVAVLGISASSNT...LGTISV.GS..NNTSLEFLFD...AGDMANTK.LT.MSR.............STSG   118
NTDB id 1292 VP RS12235 WP 005479693.1        ........TLAQLGVDVAAND...LGAIDS.ALAGGSPTLTFTFD...ADSSIDGGILTFTRD.............AATG   123
NTDB id 1424 RS RS02795 WP 011000517.1        SSVFTPTKNVANLTIAGTGTVPGQIT...............VTYTTA....AG.GGTLALVPTAAGTALPVSSAPSGPIM   135
NTDB id 1191 AAC28468.1 484..945( )           NVIFDSANGLD.....GKYFAPGGVTV....TPDTG..AINIAFDAG....ANAGKTMTITPTV.......IAASGQIST   132
consensus                                                  *** *     * * *     * * *    *  ***   **    ** *** **            * **
```

```
<0
logo
NTDB id 1038 HON27 RS01510 WP 000993725.1     WTCVSDVPT................EF.LPKGCTAGTPTEGAITSL   149
NTDB id 1192 PAKAF RS23870 WP 024947914.1     WKCTSDQDE................QF.IPKGCSK...........   150
NTDB id 1204 PSJM300 03935 AFN76865.1         WDCTSDLDS................RY.KPGKCL............   141
NTDB id 1197 PSJM300 03940 AFN76866.1         WSCASTLDA................KY.KPGKCS............   139
NTDB id 1184 GTF74 RS02335 WP 000649326.1     WTCSTTVTS................EI.APKGCTAGATIN......   153
NTDB id 1167 A1552VC RS11065 WP 000649326.1   WTCSTTVTS................EI.APKGCTAGATIN......   153
NTDB id 1160 ABDM36 RS02330 WP 000649326.1    WTCSTTVTS................EI.APKGCTAGATIN......   153
NTDB id 407107 GPX93 RS10845 WP 123162948.1  WVCVRSDTT................KIPPIEGCQ............   136
NTDB id 1292 VP RS12235 WP 005479693.1        WSCLPTAP.................AIAVDGCS............   139
NTDB id 1424 RS RS02795 WP 011000517.1        WTCYAQNKAQAASSVAPSGTMSLAAKY.APAECR...........   168
NTDB id 1191 AAC28468.1 484..945( )           WTCAPGAAN............GIETRR.LPTSCQ*...........   153
consensus                                     !*! *** *                     * *!*
```

X non conserved

X similar

X ≥ 50% conserved