```
logo
NTDB id 1383 A4U84 RS08530 WP 005711781.1     MKKI.RLIRPLAKAFTLIELMIVIAIIAILATIAIPSYTSYTQKAALSELLSASASYKSDVEICIYNVGDKKISECSS..    77
NTDB id 1365 NTHI RS01955 WP 011271973.1      .MKL.TTQQTLKKGFTLIELMIVIAIIAILATIAIPSYQNYTKKAAVSELLQASAPYKADVELCVYSTNE..TTNCTG..    74
NTDB id 1354 HI 0299 AAC21963.1               .MKL.TTLQTLKKGFTLIELMIVIAIIAILATIAIPSYQNYTKKAAVSELLQASAPYKADVELCVYSTNE..TTSCTG..    74
NTDB id 263747 C1H71 RS09245 WP 374704457.1  ..........MQKGFTLIELMIVVAIIGILAAVAIPSYQDYTKKAKYSEVLSISDSYKQAVALCHSDLNTFAGCNA....    66
NTDB id 1424 RS RS02795 WP 011000517.1        MKSMRHLNKRVQKGFTLIELMIVVAIVGILAAIAIPAYQDYTVRARVTEGLSLAAQAKALVSENAANAQSDLSV......    74
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
consensus                                               **!*!!!!!!!!!*!!**!!!**!!! !**!! *!***! !*   * !  !       *    *
```

```
logo
NTDB id 1383 A4U84 RS08530 WP 005711781.1     ....GKNGVRADK..SDVPDAKYLKSISVASGVITVA.GKGNIDGYGYTMTP.K.........FANNNITWATSCQGADI   140
NTDB id 1365 NTHI RS01955 WP 011271973.1      ....GKNGIAADI..TT..AKGYVKSVTTSNGAITVK.GDGTLANMEYILQATG.........NAATGVTWTTTCKGTDA   136
NTDB id 1354 HI 0299 AAC21963.1               ....GKNGIAADI..KT..AKGYVASVITQSGGITVK.GNGTLANMEYILQAKG.........NAAAGVTWTTTCKGTDA   136
NTDB id 263747 C1H71 RS09245 WP 374704457.1  ....GTQGI...PATPTVATTGLATG.GTVSNGVINFTGTAAAGGYTFILSPSLNAQ........GTAITWAQSGN....   126
NTDB id 1424 RS RS02795 WP 011000517.1        ....GSSVF...TPTKNVANLTIAGT.GTVPGQITVTYT.TAAGGGTLALVPTAAGTALPVSSAPSGPIMWTCYAQNKAQ   145
NTDB id 1002 ACIAD RS15100 WP 004923779.1    SSCVGVQEISASNATTNVATA..TCG.ASSAGQIIVTMDTTKAKGANITLTPT..........YASGAVTWKCTTT....   135
NTDB id 1274 LPP RS09530 WP 011214168.1       V.........SPAATPNVASI..AIG.A..NGVITITY.TAAAGGGTIVMTPTL.........QANGDVTWTCTGG....   123
NTDB id 1258 GCO85 RS09745 WP 014844212.1     V.........SPAATPNVQSI..AIG.A..NGVITITY.TAAAGGGTIIMTPTL.........QANGDVTWTCTGG....   123
consensus                                         * * *     *  *         **   * ***    * ***   *****           * * **!* *
```

```
logo
NTDB id 1383 A4U84 RS08530 WP 005711781.1     S..........LFPANFCGQKATP   154
NTDB id 1365 NTHI RS01955 WP 011271973.1      S..........LFPANFCGSVTQ.   149
NTDB id 1354 HI 0299 AAC21963.1               S..........LFPANFCGSVTK.   149
NTDB id 263747 C1H71 RS09245 WP 374704457.1  ...........CLAAKYCK.....   134
NTDB id 1424 RS RS02795 WP 011000517.1        AASSVAPSGTMSLAAKYAPAECR.   168
NTDB id 1002 ACIAD RS15100 WP 004923779.1    ...........S.DKKYVPSECRG   147
NTDB id 1274 LPP RS09530 WP 011214168.1      ...........TLLAKYRPASCRP   136
NTDB id 1258 GCO85 RS09745 WP 014844212.1    ...........TLLAKYRPASCRP   136
consensus                                                 ***     *
```

X non conserved

X similar

X $\geq$ 50% conserved