```
logo
                                                  MKKIRLIRPLAKAFTLIELMIVIAIIAILATIAIPSYTSYTQKAALSELLSASASYKSDVEICIYNVGDK...KISECSS    77
NTDB id 1383 A4U84 RS08530 WP 005711781.1         MKKIRLIRPLAKAFTLIELMIVIAIIAILATIAIPSYTSYTQKAALSELLSASASYKSDVEICIYNVGDK...KISECSS    77
NTDB id 1365 NTHI RS01955 WP 011271973.1          .MKLTTQQTLKKGFTLIELMIVIAIIAILATIAIPSYQNYTKKAAVSELLQASAPYKADVELCVYSTNE.....TTNCTG    74
NTDB id 304924 DV378 RS05025 WP 005691824.1      .MKLTTLQTLKKGFTLIELMIVIAIIAILATIAIPSYQNYTKKAAVSELLQASAPYKADVELCVYSTGK.....PSTCSG    74
NTDB id 1354 HI 0299 AAC21963.1                   .MKLTTLQTLKKGFTLIELMIVIAIIAILATIAIPSYQNYTKKAAVSELLQASAPYKADVELCVYSTNE.....TTSCTG    74
NTDB id 1400 DSB67 RS12660 WP 010643261.1         ..MKTNKQKKQQGFTLIELMIVVAIIGILAALAIPAYQDYTKKATMAEFPKIASSTKLAVELCAHEHAADAGAFKTKCHQ    78
NTDB id 1258 GC085 RS09745 WP 014844212.1         ........MRQKGFTLIELMIVVAIIGILAAIAIPAYQDYTIRARVTEGLTLADSAKLAVSETAITNNAL....PA..TQ    66
consensus                                           ***  * * **!!!!!!!!!*!!!*!!!**!!!*!* !!**!***!** *** *! *!******         * **
```

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logo
                                                  GKNGVRADKSDVPDAKYLKSISVASGVITV.....AGKGNI.DGYGYTMTPK.FANNNITWATSCQGADISLFPANFCGQ   150
NTDB id 1383 A4U84 RS08530 WP 005711781.1         GKNGVRADKSDVPDAKYLKSISVASGVITV.....AGKGNI.DGYGYTMTPK.FANNNITWATSCQGADISLFPANFCGQ   150
NTDB id 1365 NTHI RS01955 WP 011271973.1          GKNGIAADITT..AKGYVKSVTTSNGAITV.....KGDGTL.ANMEYILQATGNAATGVTWTTTCKGTDASLFPANFCGS   146
NTDB id 304924 DV378 RS05025 WP 005691824.1      GSNGIAADITT..AKGYVASVKTQSGGITV.....KGNGTL.ANMEYILQAKGNATAGVTWTTTCKGTDASLFPANFCGS   146
NTDB id 1354 HI 0299 AAC21963.1                   GKNGIAADIKT..AKGYVASVITQSGGITV.....KGNGTL.ANMEYILQAKGNAAAGVTWTTTCKGTDASLFPANFCGS   146
NTDB id 1400 DSB67 RS12660 WP 010643261.1         TANGIPAAFTLN.NLTVTPAAGAASGAISITVNAANDKGPIKQNEKYILTAT.YASNGVTWSSECKDATNAVQT.SYCP.   154
NTDB id 1258 GC085 RS09745 WP 014844212.1         AATGYVSPAATP...NVQSIAIGANGVITITYTAAAGGGTI......IMTPTLQANGDVTWTCTGGTLLAKYRP.ASCRP   136
consensus                                         * *!* ** **     ** **   *!*!**      * !**  *  *** *  *!  **!!****** *********!*
```

```
logo
                                                  VTK
                                                  KAQP
NTDB id 1383 A4U84 RS08530 WP 005711781.1         KATP   154
NTDB id 1365 NTHI RS01955 WP 011271973.1          VTQ.   149
NTDB id 304924 DV378 RS05025 WP 005691824.1      VTK.   149
NTDB id 1354 HI 0299 AAC21963.1                   VTK.   149
NTDB id 1400 DSB67 RS12660 WP 010643261.1         ....   154
NTDB id 1258 GC085 RS09745 WP 014844212.1         ....   136
consensus
```

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