```
logo
NTDB id 372 SMU RS05280 WP 002262198.1          MNYKEKKILILDDNPEILEMVQESLNIAGFNNLTGVQSKKEALEQLGKRSFDLAILDIMLPDGSGFEVLREIRKT.STIP   79
NTDB id 606 V4T04 RS01910 WP 003130756.1        ..MTSKKILIIEDEKNLARFVSLELEHEGYATEIK.DNGRSGLEEATSKDYDLILLDLMLPELDGFEVARRLRKE.KDTP   76
NTDB id 471 HSISS4 RS01430 WP 002883757.1       ...MSKRILIVEDEKNLARFVSLELQHEGYDVVTA.DNGREGLEMALEKDFDLILLDLMLPEMDGFEVTRRLQQE.KDTY   75
NTDB id 1022594 AB1395 RS06725 WP 218653485.1   ...MQKRVLIVDDEPHILTLVSYHLVKEGFEVTTV.EDGRSALELGQGQPFDFIVLDIMLPQLDGVEVCKRLRKVGIETP   76
NTDB id 413 AAK55817.1 141..845( )              ....MKKILIVDDEKPISDIIKFNMTKEGYEVVTA.FNGREALEQFEAEQPDIIILDLMLPEIDGLEVAKTIRKT.SSVP   74
NTDB id 374 SMU RS06885 WP 002262930.1          ....MKKILIVDDEKPISDIIKFNLAKEGYDTITA.FDGREALSKYEEENPDLIILDLMLPELDGLEVAKEVRKN.SHVP   74
consensus                                          !**!!**!** *  **   *  *!** ***    ****!*      *!***!!*!!!***! !! * ***     *

logo
NTDB id 372 SMU RS05280 WP 002262198.1          VLFLSAVSDIEKQYQGFELGADDYIVKPFRPKELELRILSILKRAYPEKDDT...........LILPTCQVNFSQALITK  148
NTDB id 606 V4T04 RS01910 WP 003130756.1        IIMMTARDSTMDRVAGLDIGADDYITKPFAIEELLARVRAFFRREEHGHAV.ERAEN......TSFRDLVIDKTNRTVHR  149
NTDB id 471 HSISS4 RS01430 WP 002883757.1       IMMMTARDSIMDIVAGLDRGADDYIVKPFAIEELLARIRATFRRQDIEAAKNAPAKA......STYRDLKLDVQNRTVVR  149
NTDB id 1022594 AB1395 RS06725 WP 218653485.1   ILMLSAKGEEFDKVLALELGADDYMTKPFSPRELLARIKAILRRTEKNQLSELPQEEDQSDTKFQVADLTVYLERHQIYK  156
NTDB id 413 AAK55817.1 141..845( )              ILMLSAKDSEFDKVIGLELGADDYVTKPFSNRELQARVKALLRRSQPMPVDG.Q.EADSKPQPIQIGDLEIVPDAYVAKK  152
NTDB id 374 SMU RS06885 WP 002262930.1          IIMLSAKDSEFDKVIGLEIGADDYVTKPFSNRELLARVKAHLRRTENIESAV.AEENASGIPEIIIGDLQILPDAFVAKK  153
consensus                                       *****!***  *** ****!!!!!**!!!  *!!**!*** **! *         *         * ** *      * *

logo
NTDB id 372 SMU RS05280 WP 002262198.1          GELEIQLTAKEYSILKVLYNNQNRIVTFDQLLEKVWGLQYQGYENTMMAHIRKIRQKIEANPSKPECLLTVKGLGYKLKV  228
NTDB id 606 V4T04 RS01910 WP 003130756.1        GKKVIDLTRREYDLLLTLMQNVGDVVTREHLVSQVWGYEEGTETNVVDVYIRYLRNKID.VEGQDSYIQTVRGLGYVMRE  228
NTDB id 471 HSISS4 RS01430 WP 002883757.1       GDEAIPLTKREFDLLNTLLSNMNQVMTREELLLQVWKYDDAIETNVVDVYIRYLRGKID.VPGKESYIQTVRGMGYVIRE  228
NTDB id 1022594 AB1395 RS06725 WP 218653485.1   ADREISLTPKEFELLVYLLKHPRMTLTRERLLERIWGYDFGQETRLVDVHIGKLREKIEDNPKAPAIIKTVRGYGYKFEG  236
NTDB id 413 AAK55817.1 141..845( )              YGEELDLTHREFELLYHLASHTGQVITREHLLETVWGYDYFGDVRTVDVTVRRLREKIEDTPSRPEYILTRRGVGYYMRN  232
NTDB id 374 SMU RS06885 WP 002262930.1          RGTEVELTHREFELLHHLATHTGQVMTREHLLETVWGYDYFGDVRTVDVTVRRLREKIEDTPSRPEYILTRRGVGYYMKS  233
consensus                                       *  ** !! *!***!  !      **!** !** *!****  *   *** ****! !!*  * ** ** !**!*!! **

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logo
NTDB id 372 SMU RS05280 WP 002262198.1          S..   229
NTDB id 606 V4T04 RS01910 WP 003130756.1        RK.   230
NTDB id 471 HSISS4 RS01430 WP 002883757.1       K..   229
NTDB id 1022594 AB1395 RS06725 WP 218653485.1   DK.   238
NTDB id 413 AAK55817.1 141..845( )              NA*   234
NTDB id 374 SMU RS06885 WP 002262930.1          YD.   235
consensus
```

X non conserved

X similar

X $\geq$ 50% conserved