```
logo

NTDB id 374 SMU RS06885 WP 002262930.1          .......MKKILIVDDEKPISDIIKFNLAKEGYDTITA.FDGREALSKYEEENPDLIILDLMLPELDGLEVAKEVRKNSH    72
NTDB id 413 AAK55817.1 141..845( )              .......MKKILIVDDEKPISDIIKFNMTKEGYEVVTA.FNGREALEQFEAEQPDIIILDLMLPEIDGLEVAKTIRKTSS    72
NTDB id 74318 JMUB4039 RS04715 WP 155282596.1   MIEKYLTNKCILIVDDEQEILDMIVSIFADYGYKNVQTAKNVKDTMKCVAEKQPDLAILDVMLPDGNGFDLLEKLRKDSN    80
NTDB id 372 SMU RS05280 WP 002262198.1          ...MNYKEKKILILDDNPEILEMVQESLNIAGFNNLTGVQSKKEALEQLGKRSFDLAILDIMLPDGSGFEVLREIRKTSI    77
consensus                                                *!*!!!*!!***! **********!****** ********* *****!* !!!*!!!***! ** ***!!*!*

logo

NTDB id 374 SMU RS06885 WP 002262930.1          VPIIMLSAKDSEFDKVIGLEIGADDYVTKPFSNRELLARVKAHLRRTENIESAVAEENASGIPEIIIGDLQILPDAFVAK   152
NTDB id 413 AAK55817.1 141..845( )              VPILMLSAKDSEFDKVIGLELGADDYVTKPFSNRELQARVKALLRRSQPMPVDGQ.EADSKPQPIQIGDLEIVPDAYVAK   151
NTDB id 74318 JMUB4039 RS04715 WP 155282596.1   YPILFLTARGEDEDKFKGFGLGADDYIVKPFLPKELLFRITAILRRTYKEESPIVN..........LSGCQIDFSCGEII   150
NTDB id 372 SMU RS05280 WP 002262198.1          IPVLFLSAVSDIEKQYQGFELGADDYIVKPFRPKELELRILSILKRAYPEKDDTLI..........LPTCQVNFSQALIT   147
consensus                                       *!** !*!**** ****! **!!!!!* !!!***!!**!****!*!********** *  *    * ******** * * *

logo

NTDB id 374 SMU RS06885 WP 002262930.1          KRGTEVELTHREFELLHHLATHTGQVMTREHLLETVWGYDYFGDVRTVDVTVRRLREKIEDTPSRPEYILTRRGVGYYMK   232
NTDB id 413 AAK55817.1 141..845( )              KYGEELDLTHREFELLYHLASHTGQVITREHLLETVWGYDYFGDVRTVDVTVRRLREKIEDTPSRPEYILTRRGVGYYMR   231
NTDB id 74318 JMUB4039 RS04715 WP 155282596.1   KDNKNISLTAKEYELLQTLYRNAGRIVTIDTLCEAVWGENAYVYTNSLMTHIRRIREKIEINPSHPVSLITMKGLGYKLI   230
NTDB id 372 SMU RS05280 WP 002262198.1          KGELEIQLTAKEYSILKVLYNNQNRIVTFDQLLEKVWGLQYQGYENTMMAHIRKIRQKIEANPSKPECLLTVKGLGYKLK   227
consensus                                       ! * ***!!**!***! *! **** **!***!*!*!!!***** * ** ***!**!*!!!* !!*!****!**!*!! **

   <0

logo

NTDB id 374 SMU RS06885 WP 002262930.1          SYD.    235
NTDB id 413 AAK55817.1 141..845( )              NNA*    234
NTDB id 74318 JMUB4039 RS04715 WP 155282596.1   VEEK    234
NTDB id 372 SMU RS05280 WP 002262198.1          VS..    229
consensus                                       * *
```

X non conserved

X similar

X ≥ 50% conserved