```
logo

NTDB id 286 KZH43 RS05975 WP 000782664.1      MKMKQISDTTLKITISLEDLMDRGMEIADFLVPQEKTEEFFYAILDELEMPDSFLDTGMLSFRVTPKPDKVDVFVTKSKI    80
NTDB id 285 SPD RS06395 WP 000782664.1        MKMKQISDTTLKITISLEDLMDRGMEIADFLVPQEKTEEFFYAILDELEMPDSFLDTGMLSFRVTPKPDKVDVFVTKSKI    80
NTDB id 284 SPR RS06100 WP 000782664.1        MKMKQISDTTLKITISLEDLMDRGMEIADFLVPQEKTEEFFYAILDELEMPDSFLDTGMLSFRVTPKPDKVDVFVTKSKI    80
NTDB id 283 SP RS06670 WP 000782668.1         MKMKQISDTTLKITISLEDLMDRGMEIADFLVPQEKTEEFFYAILDELEMPDSFLDTGMLSFRVTPKPDKVDVFVTKSKI    80
NTDB id 299 STER RS01050 WP 011680667.1       MEMKQISETTLKIMITMEDLEEHGMELKDFLIPQEKTEEFFYTVMDELDLPDNFKNSGMLSFRVTPRKDRVDVFVTKSDL    80
NTDB id 331 STU RS10485 WP 011225365.1        MEMKQINETTLKIMITMEDLEEHGMELKDFLIPQEKTEEFFYTVMDELDLPDNFKNSGMLSFRVTPRKDRVDVFVTKSDL    80
NTDB id 310859 DDV21 RS09885 WP 116878445.1  MEMKQISETTLKITISMDDLEERGMELKDFLIPQEKTEEFFYTIMDELDLPDNFKDTGMLSFRVTPRKDQIDVFVTKSDL    80
NTDB id 380 SMU RS01250 WP 002262749.1        MEMKQISETTLKITISMEDLEERGMELKDFLIPQEKTEEFFYTVMDELDLPENFKDSGMLSFRVTPRNDRIDVFVTKSEI    80
consensus                                     ! !!!!**!!!!!*!***!! **!!!* !!!*!!!!!!!!!! **!!!**!* ! **!!!!!!!!!* !**!!!!!!! *

logo

NTDB id 286 KZH43 RS05975 WP 000782664.1      DQNLDFEDLSDLPDMEELAQMSPDEFIKTLEKSIADKTKDDIEAIQSLEQVEAKEEEQEQAE.........QEAESKKEP   151
NTDB id 285 SPD RS06395 WP 000782664.1        DQNLDFEDLSDLPDMEELAQMSPDEFIKTLEKSIADKTKDDIEAIQSLEQVEAKEEEQEQAE.........QEAESKKEP   151
NTDB id 284 SPR RS06100 WP 000782664.1        DQNLDFEDLSDLPDMEELAQMSPDEFIKTLEKSIADKTKDDIEAIQSLEQVEAKEEEQEQAE.........QEAESKKEP   151
NTDB id 283 SP RS06670 WP 000782668.1         DQNLDFEDLSDLPDMEELAQMSPDEFIKTLEKSIADKTKDDIEAIQSLEQVEVKEEEQEQAE.........QEAESKKEP   151
NTDB id 299 STER RS01050 WP 011680667.1       KEDLDFNDLSD...MEDYSGLSPEEFLKALEDNFMDK..GDIEAHHKLEEHDKTLKEVDETM...TEPAKEVAEETIRED   152
NTDB id 331 STU RS10485 WP 011225365.1        KEALDFNDLSD...MEDYSGLSPEEFLKALEDNFMDK..GDIEAHHKLEEHDKTLKEVDETM...TEPAKEVAEETIRED   152
NTDB id 310859 DDV21 RS09885 WP 116878445.1  NKDLNLEDLAE...FGDVSQMTPEDFFKTLEKSMREK..GDTEAHERLEKIEEMMEEAADSALGASKSAKDGEKEEEPAD   155
NTDB id 380 SMU RS01250 WP 002262749.1        NKNLNLEDLSD...FDDISKMSPEDFFNTLEETMREK..GDAAALDKLAEIEKREEEKTQQE.........KGETKEKRD   146
consensus                                       *!***!!**   **** ***!**!***!!*** *!   !**!*  !* ** ***! ** *          * ** **

logo

NTDB id 286 KZH43 RS05975 WP 000782664.1      YIYYILSFAKLADLVAFAKTV.TFEMETSELYKMNERYYLTILVDIENHPSPYPAWLLARMREFADDSDISRSVLQEYGQ   230
NTDB id 285 SPD RS06395 WP 000782664.1        YIYYILSFAKLADLVAFAKTV.TFEMETSELYKMNERYYLTILVDIENHPSPYPAWLLARMREFADDSDISRSVLQEYGQ   230
NTDB id 284 SPR RS06100 WP 000782664.1        YIYYILSFAKLADLVAFAKTV.TFEMETSELYKMNERYYLTILVDIENHPSPYPAWLLARMREFADDSDISRSVLQEYGQ   230
NTDB id 283 SP RS06670 WP 000782668.1         YIYYILSFAKLADLVAFAKTV.TFEMETSELYKMNERYYLTILVDIENHPSPYPAWLLARMREFADDSDISRSVLQEYGQ   230
NTDB id 299 STER RS01050 WP 011680667.1       YTHYVLAFSDFDQVVTFAQGLKNVSVEGSEFYKLGDVYYMTILLYLADEPDYYANNMYARFLEYANVADRTRPYLQEHAT   232
NTDB id 331 STU RS10485 WP 011225365.1        YTHYVLAFSDFDQVVTFAQGLKNVSVEGSEFYKLGDVYYMTILLYLADEPDYYANNMYARFLEYANVADRTRPYLQEHAT   232
NTDB id 310859 DDV21 RS09885 WP 116878445.1  YIHYVLDFPNLKTAVAFAKTV.DFDIEASEFYKEGASYHLAVLLNLVNKPSYYANIIYARLLEHAWPGTKTRAYLQEHGV   234
NTDB id 380 SMU RS01250 WP 002262749.1        YVHFVLDFPNIQQVINFAKTV.DYDVEASELFKESDAYHMTVLLNLEDKPDYYADLMFARMLEHAGRGTKTRAYLLEHGV   225
consensus                                     !* **! !  *  ***!!***  ***! !!**!* * !****!* *** !* !   * !!* !*!   * *!  !*! *

logo

NTDB id 286 KZH43 RS05975 WP 000782664.1      VLMSHDAVLNLQKIG..   245
NTDB id 285 SPD RS06395 WP 000782664.1        VLMSHDAVLNLQKIG..   245
NTDB id 284 SPR RS06100 WP 000782664.1        VLMSHDAVLNLQKIG..   245
NTDB id 283 SP RS06670 WP 000782668.1         VLMSHDAVLNLQKIG..   245
NTDB id 299 STER RS01050 WP 011680667.1       ILMEEDALPVLQATKWS   249
NTDB id 331 STU RS10485 WP 011225365.1        ILMEEDALPVLQATKWS   249
NTDB id 310859 DDV21 RS09885 WP 116878445.1  ELLMTDAVQQLQMIELV   251
NTDB id 380 SMU RS01250 WP 002262749.1        QLIKADALQELQMIG..   240
consensus                                     *!*  !!* *!! **
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X non conserved
X similar
X $\geq$ 50% conserved