```
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 387863 FOB62 RS03310 WP 003059809.1   MEMKQISETTLKITISMDDLEERGMELKDFLIPQEKTEEFFYSVMDELDLPDNFKDSGMLSFRVTPRKDRLDVFVTKSEL    80
NTDB id 380 SMU RS01250 WP 002262749.1        MEMKQISETTLKITISMEDLEERGMELKDFLIPQEKTEEFFYTVMDELDLPENFKDSGMLSFRVTPRNDRIDVFVTKSEI    80
consensus                                     ! !!!!**!!!!!*!***!! **!!!* !!!*!!!!!!!!!! **!!!**!* ! **!!!!!!!!!* !**!!!!!!! *

logo

NTDB id 286 KZH43 RS05975 WP 000782664.1      DQNLDFEDLSDLPDMEELAQMSPDEFIKTLEKSIADKTKDDIEAIQSLEQVEAKEE...........EQEQAEQEAESKK   149
NTDB id 285 SPD RS06395 WP 000782664.1        DQNLDFEDLSDLPDMEELAQMSPDEFIKTLEKSIADKTKDDIEAIQSLEQVEAKEE...........EQEQAEQEAESKK   149
NTDB id 284 SPR RS06100 WP 000782664.1        DQNLDFEDLSDLPDMEELAQMSPDEFIKTLEKSIADKTKDDIEAIQSLEQVEAKEE...........EQEQAEQEAESKK   149
NTDB id 283 SP RS06670 WP 000782668.1         DQNLDFEDLSDLPDMEELAQMSPDEFIKTLEKSIADKTKDDIEAIQSLEQVEVKEE...........EQEQAEQEAESKK   149
NTDB id 299 STER RS01050 WP 011680667.1       KEDLDFNDLSDM...EDYSGLSPEEFLKALEDNFMDKG..DIEAHHKLEEHDKTLKEVDETM.....TEPAKEVAEETIR   150
NTDB id 331 STU RS10485 WP 011225365.1        KEALDFNDLSDM...EDYSGLSPEEFLKALEDNFMDKG..DIEAHHKLEEHDKTLKEVDETM.....TEPAKEVAEETIR   150
NTDB id 387863 FOB62 RS03310 WP 003059809.1   NKDLNLEDLADL...GDISQMTPEDFFKSLEQSMREKG..DVNAHEKLEKIEEMMEDVVEATLASQTEETAEEVGQEPEL   155
NTDB id 380 SMU RS01250 WP 002262749.1        NKNLNLEDLSDF...DDISKMSPEDFFNTLEETMREKG..DAAALDKLAEIEKREE...........EKTQQEKGETKEK   144
consensus                                       *!***!!*!*   *** ***!**!***!! ** *!   !**!*  !* ** ***           *  * !   ** *

logo

NTDB id 286 KZH43 RS05975 WP 000782664.1      EPYIYYILSFAKLADLVAFAKTV.TFEMETSELYKMNERYYLTILVDIENHPSPYPAWLLARMREFADDSDISRSVLQEY   228
NTDB id 285 SPD RS06395 WP 000782664.1        EPYIYYILSFAKLADLVAFAKTV.TFEMETSELYKMNERYYLTILVDIENHPSPYPAWLLARMREFADDSDISRSVLQEY   228
NTDB id 284 SPR RS06100 WP 000782664.1        EPYIYYILSFAKLADLVAFAKTV.TFEMETSELYKMNERYYLTILVDIENHPSPYPAWLLARMREFADDSDISRSVLQEY   228
NTDB id 283 SP RS06670 WP 000782668.1         EPYIYYILSFAKLADLVAFAKTV.TFEMETSELYKMNERYYLTILVDIENHPSPYPAWLLARMREFADDSDISRSVLQEY   228
NTDB id 299 STER RS01050 WP 011680667.1       EDYTHYVLAFSDFDQVVTFAQGLKNVSVEGSEFYKLGDVYYMTILLYLADEPDYYANNMYARFLEYANVADRTRPYLQEH   230
NTDB id 331 STU RS10485 WP 011225365.1        EDYTHYVLAFSDFDQVVTFAQGLKNVSVEGSEFYKLGDVYYMTILLYLADEPDYYANNMYARFLEYANVADRTRPYLQEH   230
NTDB id 387863 FOB62 RS03310 WP 003059809.1   LDYVHYVLDFATLSEAVAFSQTI.DFPVEASELYKGDSRYHMTILLDVQQQPSYFANVMYARLIEHASPGTKTRAYLQEH   234
NTDB id 380 SMU RS01250 WP 002262749.1        RDYVHFVLDFPNIQQVINFAKTV.DYDVEASELFKESDAYHMTVLLNLEDKPDYYADLMFARMLEHAGRGTKTRAYLLEH   223
consensus                                     * !* **! !* * ****!****  ***! !!**!* **!**!*!***** !* *   * !!* !*!   * *!  !*!

logo

NTDB id 286 KZH43 RS05975 WP 000782664.1      GQVLMSHDAVLNLQKIG..   245
NTDB id 285 SPD RS06395 WP 000782664.1        GQVLMSHDAVLNLQKIG..   245
NTDB id 284 SPR RS06100 WP 000782664.1        GQVLMSHDAVLNLQKIG..   245
NTDB id 283 SP RS06670 WP 000782668.1         GQVLMSHDAVLNLQKIG..   245
NTDB id 299 STER RS01050 WP 011680667.1       ATILMEEDALPVLQATKWS   249
NTDB id 331 STU RS10485 WP 011225365.1        ATILMEEDALPVLQATKWS   249
NTDB id 387863 FOB62 RS03310 WP 003059809.1   GVQLILDGAVEQLRKIELG   253
NTDB id 380 SMU RS01250 WP 002262749.1        GVQLIKADALQELQMIG..   240
consensus                                     * *!*   *!* *!****
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X non conserved
X similar
X $\geq$ 50% conserved