```
logo

NTDB id 286 KZH43 RS05975 WP 000782664.1          MKMKQISDTTLKITISLEDLMDRGMEIADFLVPQEKTEEFFYAILDELEMPDSFLDTGMLSFRVTPKPDKVDVFV   75
NTDB id 285 SPD RS06395 WP 000782664.1            MKMKQISDTTLKITISLEDLMDRGMEIADFLVPQEKTEEFFYAILDELEMPDSFLDTGMLSFRVTPKPDKVDVFV   75
NTDB id 284 SPR RS06100 WP 000782664.1            MKMKQISDTTLKITISLEDLMDRGMEIADFLVPQEKTEEFFYAILDELEMPDSFLDTGMLSFRVTPKPDKVDVFV   75
NTDB id 283 SP RS06670 WP 000782668.1             MKMKQISDTTLKITISLEDLMDRGMEIADFLVPQEKTEEFFYAILDELEMPDSFLDTGMLSFRVTPKPDKVDVFV   75
NTDB id 299 STER RS01050 WP 011680667.1           MEMKQISETTLKIMITMEDLEEHGMELKDFLIPQEKTEEFFYTVMDELDLPDNFKNSGMLSFRVTPRKDRVDVFV   75
NTDB id 331 STU RS10485 WP 011225365.1            MEMKQINETTLKIMITMEDLEEHGMELKDFLIPQEKTEEFFYTVMDELDLPDNFKNSGMLSFRVTPRKDRVDVFV   75
NTDB id 1111669 HMPREF9319 RS01250 WP 003063294.1 MEMKQISETTLKITISMEDLEERGMELKDFLIPQEKTEEFFYSVMDELDLPDNFKDSGMLSFRVTPRKDRIDVFV   75
NTDB id 380 SMU RS01250 WP 002262749.1            MEMKQISETTLKITISMEDLEERGMELKDFLIPQEKTEEFFYTVMDELDLPENFKDSGMLSFRVTPRNDRIDVFV   75
consensus                                         ! !!!!**!!!!!*!**!!! **!!!* !!!*!!!!!!!!!! **!!!**!* ! **!!!!!!!!!* !**!!!!

logo

NTDB id 286 KZH43 RS05975 WP 000782664.1          TKSKIDQNLDFEDLSDLPDMEELAQMSPDEFIKTLEKSIADKTKDDIEAIQSLEQVEAKEEEQE.........QA   141
NTDB id 285 SPD RS06395 WP 000782664.1            TKSKIDQNLDFEDLSDLPDMEELAQMSPDEFIKTLEKSIADKTKDDIEAIQSLEQVEAKEEEQE.........QA   141
NTDB id 284 SPR RS06100 WP 000782664.1            TKSKIDQNLDFEDLSDLPDMEELAQMSPDEFIKTLEKSIADKTKDDIEAIQSLEQVEAKEEEQE.........QA   141
NTDB id 283 SP RS06670 WP 000782668.1             TKSKIDQNLDFEDLSDLPDMEELAQMSPDEFIKTLEKSIADKTKDDIEAIQSLEQVEVKEEEQE.........QA   141
NTDB id 299 STER RS01050 WP 011680667.1           TKSDLKEDLDFNDLSDM...EDYSGLSPEEFLKALEDNFMDKG..DIEAHHKLEEHDKTLKEVDET.MTEP..AK   142
NTDB id 331 STU RS10485 WP 011225365.1            TKSDLKEALDFNDLSDM...EDYSGLSPEEFLKALEDNFMDKG..DIEAHHKLEEHDKTLKEVDET.MTEP..AK   142
NTDB id 1111669 HMPREF9319 RS01250 WP 003063294.1 TKSEINKEINFEDLAAF...DDVSNMSPEEFFKTLEQTMLSKG..DTEAHEKLGKIEEMMESAVEEVLTEQAQTE   145
NTDB id 380 SMU RS01250 WP 002262749.1            TKSEINKNLNLEDLSDF...DDISKMSPEDFFNTLEETMREKG..DAAALDKLAEIEKREEEKT.........QQ   136
consensus                                         !!! *  *****!!***   *** **!!**!***!! ** *!   !**!*  !* ** **** *         *

logo

NTDB id 286 KZH43 RS05975 WP 000782664.1          EQEAESKKEPYIYYYLSFAKLADLVAFAKTV.TFEMETSELYKMNERYYLTILVDIENHPSPYPAWLLARMREFA   215
NTDB id 285 SPD RS06395 WP 000782664.1            EQEAESKKEPYIYYYLSFAKLADLVAFAKTV.TFEMETSELYKMNERYYLTILVDIENHPSPYPAWLLARMREFA   215
NTDB id 284 SPR RS06100 WP 000782664.1            EQEAESKKEPYIYYYLSFAKLADLVAFAKTV.TFEMETSELYKMNERYYLTILVDIENHPSPYPAWLLARMREFA   215
NTDB id 283 SP RS06670 WP 000782668.1             EQEAESKKEPYIYYYLSFAKLADLVAFAKTV.TFEMETSELYKMNERYYLTILVDIENHPSPYPAWLLARMREFA   215
NTDB id 299 STER RS01050 WP 011680667.1           EVAEETIREDYTHYVLAFSDFDQVVTFAQGLKNVSVEGSEFYKLGDVYYMTILLYLADEPDYYANNMYARFLEYA   217
NTDB id 331 STU RS10485 WP 011225365.1            EVAEETIREDYTHYVLAFSDFDQVVTFAQGLKNVSVEGSEFYKLGDVYYMTILLYLADEPDYYANNMYARFLEYA   217
NTDB id 1111669 HMPREF9319 RS01250 WP 003063294.1 PSEDDINPSDYVHYVFDFQTLEAVVAFAKAI.DFPVEASELYKDGGLYHMTILLDLQNHPSYYANLMYARLLEYA   219
NTDB id 380 SMU RS01250 WP 002262749.1            EKGETKEKRDYVHFVLDFPNIQQVINFAKTV.DYDVEASELFKESDAYHMTVLLNLEDKPDYYADLMFARMLEHA   210
consensus                                         * * ** ** !* *** !  *  ***!!***  ***! !!**!* * !**!*!******!* !   * !!* !*!

logo

NTDB id 286 KZH43 RS05975 WP 000782664.1          DDSDISRSVLQEYGQVLMSHDAVLNLQKIG..   245
NTDB id 285 SPD RS06395 WP 000782664.1            DDSDISRSVLQEYGQVLMSHDAVLNLQKIG..   245
NTDB id 284 SPR RS06100 WP 000782664.1            DDSDISRSVLQEYGQVLMSHDAVLNLQKIG..   245
NTDB id 283 SP RS06670 WP 000782668.1             DDSDISRSVLQEYGQVLMSHDAVLNLQKIG..   245
NTDB id 299 STER RS01050 WP 011680667.1           NVADRTRPYLQEHATILMEEDALPVLQATKWS   249
NTDB id 331 STU RS10485 WP 011225365.1            NVADRTRPYLQEHATILMEEDALPVLQATKWS   249
NTDB id 1111669 HMPREF9319 RS01250 WP 003063294.1 STGTKTRAYLQEHGLEMLADDAVVKLKMIELV   251
NTDB id 380 SMU RS01250 WP 002262749.1            GRGTKTRAYLLEHGVQLIKADALQELQMIG..   240
consensus                                            * *!  !*! * ***  !!** !* **
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X non conserved
X similar
X $\geq$ 50% conserved