```
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 164999 MGAS11027 RS01295 WP 002986029.1   MEMKQISETTLKITISMDDLEERGMELKDFLIPQEKTEEFFYSVMDELDLPDNFKDSGMLSFRVTPRKDRLDVFVTKSEI    80
NTDB id 380 SMU RS01250 WP 002262749.1            MEMKQISETTLKITISMEDLEERGMELKDFLIPQEKTEEFFYTVMDELDLPENFKDSGMLSFRVTPRNDRIDVFVTKSEI    80
consensus                                         ! !!!!**!!!!!*!***!! **!!!* !!!*!!!!!!!!!! **!!!**!* ! **!!!!!!!!!* !**!!!!!!! *

logo
NTDB id 286 KZH43 RS05975 WP 000782664.1          DQNLDFEDLSDLPDMEELAQMSPDEFIKTLEKSIADKTKDDIEAIQSLEQVEAKEEEQ...........EQAEQEAESKK   149
NTDB id 285 SPD RS06395 WP 000782664.1            DQNLDFEDLSDLPDMEELAQMSPDEFIKTLEKSIADKTKDDIEAIQSLEQVEAKEEEQ...........EQAEQEAESKK   149
NTDB id 284 SPR RS06100 WP 000782664.1            DQNLDFEDLSDLPDMEELAQMSPDEFIKTLEKSIADKTKDDIEAIQSLEQVEAKEEEQ...........EQAEQEAESKK   149
NTDB id 283 SP RS06670 WP 000782668.1             DQNLDFEDLSDLPDMEELAQMSPDEFIKTLEKSIADKTKDDIEAIQSLEQVEVKEEEQ...........EQAEQEAESKK   149
NTDB id 299 STER RS01050 WP 011680667.1           KEDLDFNDLSDM...EDYSGLSPEEFLKALEDNFMDK..GDIEAHHKLEEHDKTLKEVDETMTE.....PAKEVAEETIR   150
NTDB id 331 STU RS10485 WP 011225365.1            KEALDFNDLSDM...EDYSGLSPEEFLKALEDNFMDK..GDIEAHHKLEEHDKTLKEVDETMTE.....PAKEVAEETIR   150
NTDB id 164999 MGAS11027 RS01295 WP 002986029.1   NKDINLEDLAEF...GDMSQMTPEDFFKSLEQSMREK..GDVKAHEKLEKIEEIMEDVVEATLANQSEAADPSTNHESEP   155
NTDB id 380 SMU RS01250 WP 002262749.1            NKNLNLEDLSDF...DDISKMSPEDFFNTLEETMREK..GDAAALDKLAEIEKREEEK...........TQQEKGETKEK   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 164999 MGAS11027 RS01295 WP 002986029.1   LDYVHYVLDFSTITEAVAFAKTI.DFSIEASELYKGSNCYHMTILLDVQQQPSYFANVMYARLIEHANPGSKTRAYLQEH   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 164999 MGAS11027 RS01295 WP 002986029.1   GLQLMLDGAVEQLQKIELG   253
NTDB id 380 SMU RS01250 WP 002262749.1            GVQLIKADALQELQMIG..   240
consensus                                         * *!*   *!* *!!***
```

X non conserved
X similar
X $\geq$ 50% conserved