```
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 262333 C0J00 RS01405 WP 104967219.1   MEMKQISETTLKITISMEDLEERGMELKDFLIPQEKTEEFFYSVMDELDLPDNFKNSGMLSFRVTPKKDRLDVFVTKSEI    80
NTDB id 380 SMU RS01250 WP 002262749.1        MEMKQISETTLKITISMEDLEERGMELKDFLIPQEKTEEFFYTVMDELDLPENFKDSGMLSFRVTPRNDRIDVFVTKSEI    80
consensus                                     ! !!!!**!!!!!*!**!!! **!!!* !!!*!!!!!!!!!! **!!!**!* ! **!!!!!!!!!* !**!!!!!!! *

logo

NTDB id 286 KZH43 RS05975 WP 000782664.1      DQNLDFEDLSDLPDMEELAQMSPDEFIKTLEKSIADKTKDDIEAIQSLEQVEAKEEEQ..........EQAEQEAESKKE   150
NTDB id 285 SPD RS06395 WP 000782664.1        DQNLDFEDLSDLPDMEELAQMSPDEFIKTLEKSIADKTKDDIEAIQSLEQVEAKEEEQ..........EQAEQEAESKKE   150
NTDB id 284 SPR RS06100 WP 000782664.1        DQNLDFEDLSDLPDMEELAQMSPDEFIKTLEKSIADKTKDDIEAIQSLEQVEAKEEEQ..........EQAEQEAESKKE   150
NTDB id 283 SP RS06670 WP 000782668.1         DQNLDFEDLSDLPDMEELAQMSPDEFIKTLEKSIADKTKDDIEAIQSLEQVEVKEEEQ..........EQAEQEAESKKE   150
NTDB id 299 STER RS01050 WP 011680667.1       KEDLDFNDLSDM...EDYSGLSPEEFLKALEDNFMDKG..DIEAHHKLEEHDKTLKEVDETMTE....PAKEVAEETIRE   151
NTDB id 331 STU RS10485 WP 011225365.1        KEALDFNDLSDM...EDYSGLSPEEFLKALEDNFMDKG..DIEAHHKLEEHDKTLKEVDETMTE....PAKEVAEETIRE   151
NTDB id 262333 C0J00 RS01405 WP 104967219.1   DKDLNFDDLAAL...GDVSQMSPDEFFKTLEKSMLEKG..DTEAHEKLKQMEEIVESAMTEQTSEADSVHEPNEDNAEQD   155
NTDB id 380 SMU RS01250 WP 002262749.1        NKNLNLEDLSDF...DDISKMSPEDFFNTLEETMREKG..DAAALDKLAEIEKREEEK..........TQQEKGETKEKR   145
consensus                                     * *!***!!***   *** **!!**!***!!*** *!   !**!*  !**** ****           * *** ** **

logo

NTDB id 286 KZH43 RS05975 WP 000782664.1      PYIYYILSFAKLADLVAFAKTV.TFEMETSELYKMNERYYLTILVDIENHPSPYPAWLLARMREFADDSDISRSVLQEYG   229
NTDB id 285 SPD RS06395 WP 000782664.1        PYIYYILSFAKLADLVAFAKTV.TFEMETSELYKMNERYYLTILVDIENHPSPYPAWLLARMREFADDSDISRSVLQEYG   229
NTDB id 284 SPR RS06100 WP 000782664.1        PYIYYILSFAKLADLVAFAKTV.TFEMETSELYKMNERYYLTILVDIENHPSPYPAWLLARMREFADDSDISRSVLQEYG   229
NTDB id 283 SP RS06670 WP 000782668.1         PYIYYILSFAKLADLVAFAKTV.TFEMETSELYKMNERYYLTILVDIENHPSPYPAWLLARMREFADDSDISRSVLQEYG   229
NTDB id 299 STER RS01050 WP 011680667.1       DYTHYVLAFSDFDQVVTFAQGLKNVSVEGSEFYKLGDVYYMTILLYLADEPDYYANNMYARFLEYANVADRTRPYLQEHA   231
NTDB id 331 STU RS10485 WP 011225365.1        DYTHYVLAFSDFDQVVTFAQGLKNVSVEGSEFYKLGDVYYMTILLYLADEPDYYANNMYARFLEYANVADRTRPYLQEHA   231
NTDB id 262333 C0J00 RS01405 WP 104967219.1   SYTHYVLQFPMLKDAVAFSKAI.DFDIEASELYKFNGSYYITILVSLENKPAYYADLVHARLLEHSRGGQKTRAYLQEHG   234
NTDB id 380 SMU RS01250 WP 002262749.1        DYVHFVLDFPNIQQVINFAKTV.DYDVEASELFKESDAYHMTVLLNLEDKPDYYADLMFARMLEHAGRGTKTRAYLLEHG   224
consensus                                      !* **! !  * ****!****  ***! !!**!*** !**!*!* *** !  !   * !!* !**   * *!  !*! *

logo

NTDB id 286 KZH43 RS05975 WP 000782664.1      QVLMSHDAVLNLQKIG..   245
NTDB id 285 SPD RS06395 WP 000782664.1        QVLMSHDAVLNLQKIG..   245
NTDB id 284 SPR RS06100 WP 000782664.1        QVLMSHDAVLNLQKIG..   245
NTDB id 283 SP RS06670 WP 000782668.1         QVLMSHDAVLNLQKIG..   245
NTDB id 299 STER RS01050 WP 011680667.1       TILMEEDALPVLQATKWS   249
NTDB id 331 STU RS10485 WP 011225365.1        TILMEEDALPVLQATKWS   249
NTDB id 262333 C0J00 RS01405 WP 104967219.1   VRLLEGYAVADLEGIKVV   252
NTDB id 380 SMU RS01250 WP 002262749.1        VQLIKADALQELQMIG..   240
consensus                                      *!*  *!*  !* **
```

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