```
logo

NTDB id 668100 MP387 RS03510 WP 242747727.1  MKMKQISDTTLKITMTLDDLMDRGMEIADFLVPQEKTEEFFYAILDELEMPDNFLDSGMLSFRVTPKPDKVDVFVTKSKI   80
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 380 SMU RS01250 WP 002262749.1       MEMKQISETTLKITISMEDLEERGMELKDFLIPQEKTEEFFYTVMDELDLPENFKDSGMLSFRVTPRNDRIDVFVTKSEI   80
NTDB id 299 STER RS01050 WP 011680667.1      MEMKQISETTLKIMITMEDLEEHGMELKDFLIPQEKTEEFFYTVMDELDLPDNFKNSGMLSFRVTPRKDRVDVFVTKSDL   80
NTDB id 331 STU RS10485 WP 011225365.1       MEMKQINETTLKIMITMEDLEEHGMELKDFLIPQEKTEEFFYTVMDELDLPDNFKNSGMLSFRVTPRKDRVDVFVTKSDL   80
consensus                                    !*!!!!**!!!!!*****!!***!!!**!!!*!!!!!!!!!!***!!!**!* !***!!!!!!!!!**!**!!!!!!!**

logo

NTDB id 668100 MP387 RS03510 WP 242747727.1  DQNLDFEDLADLPDMEELAQMSPDEFLKTLEKSIADKTKDDIEAIQSLEQVEAKEEEQ......EQADKETENKKEPYIY  154
NTDB id 286 KZH43 RS05975 WP 000782664.1     DQNLDFEDLSDLPDMEELAQMSPDEFIKTLEKSIADKTKDDIEAIQSLEQVEAKEEEQ......EQAEQEAESKKEPYIY  154
NTDB id 285 SPD RS06395 WP 000782664.1       DQNLDFEDLSDLPDMEELAQMSPDEFIKTLEKSIADKTKDDIEAIQSLEQVEAKEEEQ......EQAEQEAESKKEPYIY  154
NTDB id 284 SPR RS06100 WP 000782664.1       DQNLDFEDLSDLPDMEELAQMSPDEFIKTLEKSIADKTKDDIEAIQSLEQVEAKEEEQ......EQAEQEAESKKEPYIY  154
NTDB id 283 SP RS06670 WP 000782668.1        DQNLDFEDLSDLPDMEELAQMSPDEFIKTLEKSIADKTKDDIEAIQSLEQVEVKEEEQ......EQAEQEAESKKEPYIY  154
NTDB id 380 SMU RS01250 WP 002262749.1       NKNLNLEDLS...DFDDISKMSPEDFFNTLEETMREK..GDAAALDKLAEIEKREEEK......TQQEKGETKEKRDYVH  149
NTDB id 299 STER RS01050 WP 011680667.1      KEDLDFNDLS...DMEDYSGLSPEEFLKALEDNFMDK..GDIEAHHKLEEHDKTLKEVDETMTEPAKEVAEETIREDYTH  155
NTDB id 331 STU RS10485 WP 011225365.1       KEALDFNDLS...DMEDYSGLSPEEFLKALEDNFMDK..GDIEAHHKLEEHDKTLKEVDETMTEPAKEVAEETIREDYTH  155
consensus                                    ***!***!!****!*******!!**!***!!*****!***!**!***!**** ***!*      **** * ******!**

logo

NTDB id 668100 MP387 RS03510 WP 242747727.1  YILRFASLADLVAFAKTV.NYQMETSELYKMNGHYYLTILVDVENHPSPYPAWLLARMREFADDSDISRSVLQEYGQILI  233
NTDB id 286 KZH43 RS05975 WP 000782664.1     YILSFAKLADLVAFAKTV.TFEMETSELYKMNERYYLTILVDIENHPSPYPAWLLARMREFADDSDISRSVLQEYGQVLM  233
NTDB id 285 SPD RS06395 WP 000782664.1       YILSFAKLADLVAFAKTV.TFEMETSELYKMNERYYLTILVDIENHPSPYPAWLLARMREFADDSDISRSVLQEYGQVLM  233
NTDB id 284 SPR RS06100 WP 000782664.1       YILSFAKLADLVAFAKTV.TFEMETSELYKMNERYYLTILVDIENHPSPYPAWLLARMREFADDSDISRSVLQEYGQVLM  233
NTDB id 283 SP RS06670 WP 000782668.1        YILSFAKLADLVAFAKTV.TFEMETSELYKMNERYYLTILVDIENHPSPYPAWLLARMREFADDSDISRSVLQEYGQVLM  233
NTDB id 380 SMU RS01250 WP 002262749.1       FVLDFPNIQQVINFAKTV.DYDVEASELFKESDAYHMTVLLNLEDKPDYYADLMFARMLEHAGRGTKTRAYLLEHGVQLI  228
NTDB id 299 STER RS01050 WP 011680667.1      YVLAFSDFDQVVTFAQGLKNVSVEGSEFYKLGDVYYMTILLYLADEPDYYANNMYARFLEYANVADRTRPYLQEHATILM  235
NTDB id 331 STU RS10485 WP 011225365.1       YVLAFSDFDQVVTFAQGLKNVSVEGSEFYKLGDVYYMTILLYLADEPDYYANNMYARFLEYANVADRTRPYLQEHATILM  235
consensus                                    **! !* ******!!***  ***!*!!**!*** !**!*!******!**!*****!!**!*!******!**!*!****!*

logo

NTDB id 668100 MP387 RS03510 WP 242747727.1  NHDAVLGLQKIG..  245
NTDB id 286 KZH43 RS05975 WP 000782664.1     SHDAVLNLQKIG..  245
NTDB id 285 SPD RS06395 WP 000782664.1       SHDAVLNLQKIG..  245
NTDB id 284 SPR RS06100 WP 000782664.1       SHDAVLNLQKIG..  245
NTDB id 283 SP RS06670 WP 000782668.1        SHDAVLNLQKIG..  245
NTDB id 380 SMU RS01250 WP 002262749.1       KADALQELQMIG..  240
NTDB id 299 STER RS01050 WP 011680667.1      EEDALPVLQATKWS  249
NTDB id 331 STU RS10485 WP 011225365.1       EEDALPVLQATKWS  249
consensus                                     *!!** !!***
```

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