```
logo
NTDB id 82912 RG57 RS11960 WP 001331203.1     ..MLFDVFQQYPAAMPILATVGGLIIGSFLNVVIWRYPIMLRQQMAEFHGE......MPSAQSKISLALPRSHCPHCQQT   72
NTDB id 1438 BW25113 RS15435 WP 001333829.1   ..MLFDVFQQYPTAMPVLATVGGLIIGSFLNVVIWRYPIMLRQQMAEFHGE......MSSAQSKISLALPRSHCPHCQQT   72
NTDB id 1111 NGFG RS09220 WP 003689814.1      MSDL...SVLSPFA.VPLAAVLGLLVGSFLNVVIYRVPVMMERGWTVFAKEHLNLPLTDDESRTFNLMKPDSCCPKCRVP   76
NTDB id 1080 FDQ49 RS18305 WP 022575844.1     MQDIIAYFIQNLTALYIAVALVSLCIGSFLNVVIYRTPRMMEQDWQQECQMLLNPEQPIIDHEKLTLSKPASSCPACHQP   80
NTDB id 1061 ABD1 RS18470 WP 001152280.1      MQDIIAYFIQNLTALYIAVALVSLCIGSFLNVVIYRTPKMMEQDWQQECQMLLNPEQPIIDHERLTLNKPASSCPACQQP   80
NTDB id 1170 A1552VC RS11080 WP 000418747.1   .MELFYFY...PWLFPVLATLFGLIVGSFLNVVIYRLPKIMEREWRAECAASFPEYGITPPEGKLTLSLPRSTCPHCQTP   76
NTDB id 1403 DSB67 RS12675 WP 010643256.1     .MEVFQYY...PWLFVVFATIFGLIVGSFLNVVIYRLPKIMELEWRRECAESFPEYKIEPPKETLTLSVPRSSCQQCGTQ   76
consensus                                       *** ** * * ** ***** *!**!!!!!!!!*! !*******  ****      *     ***! *!*!*!* !***

logo
NTDB id 82912 RG57 RS11960 WP 001331203.1     IRIRDNIPLLSWLMLKGRCRDCQAKISKRYPLVELLTALAFLLASLVWPESGWALAVMILSAWLIAASVIDLDHQWLPDV  152
NTDB id 1438 BW25113 RS15435 WP 001333829.1   IRIRDNIPLFSWLMLKGRCRDCQAKISKRYPLVELLTALAFLLASLVWPESGWGLAVMILSAWLIAASVIDLDHQWLPDV  152
NTDB id 1111 NGFG RS09220 WP 003689814.1      IRAWQNIPIVSYLLLRGKCASCQTKISIRYPLIELLTGVLFGLVAWQYGWSWITLGGLILTAFLISLTFIDADTQYLPDS  156
NTDB id 1080 FDQ49 RS18305 WP 022575844.1     IRWYQNIPLISWLVLRGKCGHCQHPISIRYPAIELLTMLCSLVVVMVFGPTIQMLFGLVLTWVLIALTFIDFDTQLLPDR  160
NTDB id 1061 ABD1 RS18470 WP 001152280.1      IRWYQNIPVISWLVLRGKCGHCQHPISIRYPAIELLTMLCSLVVVMVFGPTIQMLFGLVLTWVLIALTFIDFDTQLLPDR  160
NTDB id 1170 A1552VC RS11080 WP 000418747.1   IRVIDNIPLLSWLALRGQCSHCKAPISARYPLIELLTALMSLVIATHFPFGVFAVALLFFSYVLIAATFIDFDTLLLPDQ  156
NTDB id 1403 DSB67 RS12675 WP 010643256.1     IRIRDNIPVISWLLLRGKCHNCQAPINARYPLIELLTAFCSGFIAFHFGFSYFTVALVFFTFVLIAATFIDLDTMLLPDQ  156
consensus                                     !!* *!!!**!*!*!*!*!  !***!* !!!**!!!!** **** **** * * *********!!****!! !***!!!

logo
NTDB id 82912 RG57 RS11960 WP 001331203.1     FTQGVLWTGLIAAWAQQSPLTLQDAVTGVLVGFITFYSLRWIAGIVLRKEALGMGDVLLFAALGSWVGPLSLPNVALIAS  232
NTDB id 1438 BW25113 RS15435 WP 001333829.1   FTQGVLWTGLIAAWAQQSPLTLQDAVTGVLVGFITFYSLRWIAGIVLRKEALGMGDVLLFAALGGWVGALSLPNVALIAS  232
NTDB id 1111 NGFG RS09220 WP 003689814.1      MTLPLIWLGLIFNLDGGF.VPLQSAVLGAVAGYSSLWLLCAVYKLLTGKTGMGNGDFKLIAALGAWLGISALPVLIFVSS  235
NTDB id 1080 FDQ49 RS18305 WP 022575844.1     FTLPLAALGLGINTFNIY.TSPNSAIWGYLIGFLCLWIVYYLFKVITGKEGMGYGDFKLLAALGAWMGPLMLPLIVLLSS  239
NTDB id 1061 ABD1 RS18470 WP 001152280.1      FTLPLAALGLGINTFNIY.TSPNSAIWGYLIGFLCLWIVYYLFKVITGKEGMGYGDFKLLAALGAWMGPLMLPLIVLLSS  239
NTDB id 1170 A1552VC RS11080 WP 000418747.1   LTLPLLWGGIALALLGFSPVSLSDAVIGAMAGYLSLWSIYWLFKLLTGKEGMGYGDFKLLAALGAWLGWQQLPVIVLLSS  236
NTDB id 1403 DSB67 RS12675 WP 010643256.1     LTLPLMWTGIALALAGISPVSLQDSIIGAMAGYLCLWSVYWLFKLLTGKEGMGYGDFKLLAALGAWLGWQSLPMIILLSS  236
consensus                                     *!***** !****  * ********* ! **!***************!***!*!!**!*!!!!*!*! * !!******!

logo
NTDB id 82912 RG57 RS11960 WP 001331203.1     CCGLIYAVITKRG.....STTLPFGPCLSLGGIATIYLQALF................   269
NTDB id 1438 BW25113 RS15435 WP 001333829.1   CCGLIYAVITKRG.....STTLPFGPCLSLGGIATLYLQALF................   269
NTDB id 1111 NGFG RS09220 WP 003689814.1      LIGLVAAIVMR....VAKGRHFAFGPALTVSGWIIFTANDSVWRAVNWWLTHPVR...   286
NTDB id 1080 FDQ49 RS18305 WP 022575844.1     LLGAIIGIILLKLRND..NQPFAFGPYIAIAGWVAFLWGDQI...MKIYLGG......   286
NTDB id 1061 ABD1 RS18470 WP 001152280.1      LLGAIIGIILLKLRND..NQPFAFGPYIAIAGWVAFLWGDQI...MKIYLGG......   286
NTDB id 1170 A1552VC RS11080 WP 000418747.1   VVGVIFGLIQLRQQKKGIDMAFPFGPYLAIAGWFALLWGDKV...IDWYFTTWVGQPL   291
NTDB id 1403 DSB67 RS12675 WP 010643256.1     VVGVIFGLIQLRLQKQGIEKAFPFGPYLAIAGWVSLIWGHQI...LNWYFTSILGV..   289
consensus                                     **!******* **          **!!!*****!** ***** *    *  *
```

X non conserved

X similar

X $\geq$ 50% conserved