logo

```
NTDB id 1111 NGFG RS09220 WP 003689814.1    ...MSDLSVLSPFA.VPLAAVLGLLVGSFLNVVIYRVPVMMERGWTVFAKEHLNLPLTDDESRTFNLMKPDSCCPKCRVP   76
NTDB id 1080 FDQ49 RS18305 WP 022575844.1   MQDIIAYFIQNLTALYIAVALVSLCIGSFLNVVIYRTPRMMEQDWQQECQMLLNPEQPIIDHEKLTLSKPASSCPACHQP   80
NTDB id 1061 ABD1 RS18470 WP 001152280.1    MQDIIAYFIQNLTALYIAVALVSLCIGSFLNVVIYRTPKMMEQDWQQECQMLLNPEQPIIDHERLTLNKPASSCPACQQP   80
NTDB id 57449 H681 RS04955 WP 015475737.1   .MPVLNFLASTPLAFVLCALLIGLLVGSFLNVVIHRLPRMMQRDWQREAREALE.LPAGEPQPTYNLVLPNSQCPHCGHE   78
NTDB id 1403 DSB67 RS12675 WP 010643256.1   ....MEVFQYYPWLFVVFATIFGLIVGSFLNVVIYRLPKIMELEWRRECAESFPEYKIEPPKETLTLSVPRSSCQQCGTQ   76
NTDB id 1170 A1552VC RS11080 WP 000418747.1 ....MELFYFYPWLFPVLATLFGLIVGSFLNVVIYRLPKIMERFWRAECAASFPEYGITPPEGKLTLSLPRSTCPHCQTP   76
consensus                                     **  *  * * * * ***!**!!!!!!!!*!*!**!* *!  **  *           **!  ! !*!* !  *
```

logo

```
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 57449 H681 RS04955 WP 015475737.1   IRAWENIPVVSYLALGGKCSSCKTPISKRYPLIELACGALSAFIAWHYGFGWQAGAMLLLGWGLLAMSMIDVDHQLLPDA   158
NTDB id 1403 DSB67 RS12675 WP 010643256.1   IRIRDNIPVISWLLLRGKCHNCQAPINARYPLIELLTAFCSGFIAFHFGFSYFTVALVFFTFVLIAATFIDLDTMLLPDQ   156
NTDB id 1170 A1552VC RS11080 WP 000418747.1 IRVIDNIPLLSWLALRGQCSHCKAPISARYPLIELLTALMSLVIATHFPFGVFAVALLFFSYVLIAATFIDFDTLLLPDQ   156
consensus                                   !! * !!!**!*!*!*!*!  !* *!* !!!*!!!***** * *** **** ** ******!******!! !***!!!
```

logo

```
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 57449 H681 RS04955 WP 015475737.1   LVLPLLWLGLIANYFGLF.TNLGDALWGAVFGYLSLWSVYWLFKLLTGKEGMGYGDFKLLAMVGAWGGWQVLPLTILLSS   237
NTDB id 1403 DSB67 RS12675 WP 010643256.1   LTLPLMWTGIALALAGISPVSLQDSIIGAMAGYLCLWSVYWLFKLLTGKEGMGYGDFKLLAALGAWLGWQSLPMIILLSS   236
NTDB id 1170 A1552VC RS11080 WP 000418747.1 LTLPLLWGGIALALLGFSPVSLSDAVIGAMAGYLSLWSIYWLFKLLTGKEGMGYGDFKLLAALGAWLGWQQLPVIVLLSS   236
consensus                                   **!!!***!****  ***  *** ** !** !** !! *****!**!!!*!!!*!!!!!*!**!!!*!   !!******!!
```

logo

```
NTDB id 1111 NGFG RS09220 WP 003689814.1    LIGLVAAIVM....RVAKGRHFAFGPALTVSGWIIFTANDSVWRAVNWWLTHPVR...   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 57449 H681 RS04955 WP 015475737.1   LVGAILGVITLRLRKAETGTPIPFGPYLAIAGWIALLWGDQI...TATYLQF.AGFH.   290
NTDB id 1403 DSB67 RS12675 WP 010643256.1   VVGVIFGLIQLRLQKQGIEKAFPFGPYLAIAGWVSLIWGHQI...LNWYFTSILGV..   289
NTDB id 1170 A1552VC RS11080 WP 000418747.1 VVGVIFGLIQLRQQKKGIDMAFPFGPYLAIAGWFALLWGDKV...IDWYFTTWVGQPL   291
consensus                                   **! * *** *** *       * !!!*****!!** ******    *   **
```

X non conserved
X similar
X ≥ 50% conserved