```
logo
NTDB id 1111 NGFG RS09220 WP 003689814.1      ..MSD....LSVLSPFAVPLAAVLGLLVGSFLNVVIYRVPVMMERGWTVFAKEHLNLPLT..................DDE    57
NTDB id 1403 DSB67 RS12675 WP 010643256.1     ......MEVFQYYPWLFVVFATIFGLIVGSFLNVVIYRLPKIMELEWRRECAESFPEYKI..................EPP    57
NTDB id 1170 A1552VC RS11080 WP 000418747.1   ......MELFYFYPWLFPVLATLFGLIVGSFLNVVIYRLPKIMEREWRAECAASFPEYGI..................TPP    57
NTDB id 31130 CJA RS13190 WP 012488326.1      MPLFDVLALY...PSFTFISALILGLLVGSFLNVVIYRLPKMMEAEWREQCQQLIYEADHLVVTESEQANISLDSTSIAK    77
NTDB id 1061 ABD1 RS18470 WP 001152280.1      ..MQDIIAYFIQNLTALYIAVALVSLCIGSFLNVVIYRTPKMMEQDWQQECQMLLNPEQP..................IID    61
NTDB id 1080 FDQ49 RS18305 WP 022575844.1     ..MQDIIAYFIQNLTALYIAVALVSLCIGSFLNVVIYRTPRMMEQDWQQECQMLLNPEQP..................IID    61
consensus                                       * * *  *        * * ***!**!!!!!!!!!!*!**!! *!  **   *

logo
NTDB id 1111 NGFG RS09220 WP 003689814.1      SRTFNLMKPDSCCPKCRVPIRAWQNIPIVSYLLLRGKCASCQTKISIRYPLIELLTGVLFGLVAWQYGWSWITLGGLILT   137
NTDB id 1403 DSB67 RS12675 WP 010643256.1     KETLTLSVPRSSCQQCGTQIRIRDNIPVISWLLLRGKCHNCQAPINARYPLIELLTAFCSGFIAFHFGFSYFTVALVFFT   137
NTDB id 1170 A1552VC RS11080 WP 000418747.1   EGKLTLSLPRSTCPHCQTPIRVIDNIPLLSWLALRGQCSHCKAPISARYPLIELLTAIMSLVIATHFPFGVFAVALLFFS   137
NTDB id 31130 CJA RS13190 WP 012488326.1      KETFNLCAPRSSCPHCGHNITALENIPIISYVFLGGKCSACKNTISLRYPSVELVTGVLSALAIAFFGATWAGLAALVLT   157
NTDB id 1061 ABD1 RS18470 WP 001152280.1      HERLTLNKPASSCPACQQPIRWYQNIPVISWLVLRGKCGHCQHPISIRYPAIELLTMLCSLVVVMVFGPTIQMLFGLVLT   141
NTDB id 1080 FDQ49 RS18305 WP 022575844.1     HEKLTLSKPASSCPACHQPIRWYQNIPLISWLVLRGKCGHCQHPISIRYPAIELLTMLCSLVVVMVFGPTIQMLFGLVLT   141
consensus                                      * **!  ! !*!* !  *!*   !!!**!***!*!*!  !* *!**!!! *!!*!** * **   ** *   *******

logo
NTDB id 1111 NGFG RS09220 WP 003689814.1      AFLISLTFIDADTQYLPDSMTLPLIWLGLIFNLDGGF.VPLQSAVLGAVAGYSSLWLLCAVYKLLTGKTGMGNGDFKLIA   216
NTDB id 1403 DSB67 RS12675 WP 010643256.1     FVLIAATFIDLDTMLLPDQLTLPLMWTGIALALAGISPVSLQDSIIGAMAGYLCLWSVYWLFKLLTGKEGMGYGDFKLLA   217
NTDB id 1170 A1552VC RS11080 WP 000418747.1   YVLIAATFIDFDTLLLPDQLTLPLLWGGIALALLGFSPVSLSDAVIGAMAGYLSLWSIYWLFKLLTGKEGMGYGDFKLLA   217
NTDB id 31130 CJA RS13190 WP 012488326.1      WALIALTMIDLDTYLLPDDITLPLLWLGLIVNSFGLF.TDLASAFWGAVAGYLTLWSVYQLFKLLTGKEGMGYGDFKLLA   236
NTDB id 1061 ABD1 RS18470 WP 001152280.1      WVLIALTFIDFDTQLLPDRFTLPLAALGLGINTFNIY.TSPNSAIWGYLIGFLCLWIVYYLFKVITGKEGMGYGDFKLLA   220
NTDB id 1080 FDQ49 RS18305 WP 022575844.1     WVLIALTFIDFDTQLLPDRFTLPLAALGLGINTFNIY.TSPNSAIWGYLIGFLCLWIVYYLFKVITGKEGMGYGDFKLLA   220
consensus                                     **!!**!*!! !! *!!! *!!!!***!****  ***  ****** !***!** !! ******!**!!!*!!!*!!!!!*!

logo
NTDB id 1111 NGFG RS09220 WP 003689814.1      ALGAWLGISALPVLIFVSSLIGLVAAIVMRV....AKGRHFAFGPALTVSGWIIFTANDSVWRAVNWWLTHPVR...   286
NTDB id 1403 DSB67 RS12675 WP 010643256.1     ALGAWLGWQSLPMIILLSSVVGVIFGLIQLRLQKQGIEKAFPFGPYLAIAGWVSLIWGHQI...LNWYFTSILGV..   289
NTDB id 1170 A1552VC RS11080 WP 000418747.1   ALGAWLGWQQLPVIVLLSSVVGVIFGLIQLRQQKKGIDMAFPFGPYLAIAGWFALLWGDKV...IDWYFTTWVGQPL   291
NTDB id 31130 CJA RS13190 WP 012488326.1      ALGAWMGWQMLPQIILLSSLVGAVIGITLIIVRGRDRNIPIPFGPYLAIAGWIAFLWGDRI...NATYLKIFVPS..   308
NTDB id 1061 ABD1 RS18470 WP 001152280.1      ALGAWMGPLMLPLIVLLSSLLGAIIGIILLK..LRNDNQPFAFGPYIAIAGWVAFLWGDQI...MKIYLGG......   286
NTDB id 1080 FDQ49 RS18305 WP 022575844.1     ALGAWMGPLMLPLIVLLSSLLGAIIGIILLK..LRNDNQPFAFGPYIAIAGWVAFLWGDQI...MKIYLGG......   286
consensus                                     !!!!!*!   !!*****!!**! * ******   *      * !!!*****!!*******  *   *  **   *
```

X non conserved

X similar

X $\geq$ 50% conserved