```
logo
NTDB id 1111 NGFG RS09220 WP 003689814.1      ........MSDLSVLSPFAVPLAAVLGLLVGSFLNVVIYRVPVVMMERGWTVFAKEHLNLPLTD................DE    57
NTDB id 1061 ABD1 RS18470 WP 001152280.1      MQDIIAYFIQN...LTALYI.AVALVSLCIGSFLNVVIYRTPKMMEQDWQQECQMLLNPEQPII................D     61
NTDB id 1080 FDQ49 RS18305 WP 022575844.1     MQDIIAYFIQN...LTALYI.AVALVSLCIGSFLNVVIYRTPRMMEQDWQQECQMLLNPEQPII................D     61
NTDB id 177386 AYJ58 RS04880 WP 106649215.1  MSEFISLLGQSLDQSPWLFIALSFIFAATIGSFLNVVIHRFPVMMKREWQQECNQYLQEYHEDTVKKIGIDQLNRPIDAF    80
NTDB id 1403 DSB67 RS12675 WP 010643256.1    ........MEVFQYYPWLFVVFATIFGLIVGSFLNVVIYRLPKIMELEWRRECAESFPEYKIEP................P     57
NTDB id 1170 A1552VC RS11080 WP 000418747.1  ........MELFYFYPWLFPVLATLFGLIVGSFLNVVIYRLPKIMEREWRAECAASFPEYGITP................P     57
consensus                                          *        ***    * ** *!!!!!!!!*! !**!* *!   **    **

logo
NTDB id 1111 NGFG RS09220 WP 003689814.1      SRTFNLMKPDSCCPKCRVPIRAWQNIPIVSYLLLRGKCASCQTKISIRYPLIELLTGVLFGLVAWQYGWSWITLGGLILT   137
NTDB id 1061 ABD1 RS18470 WP 001152280.1      HERLTLNKPASSCPACQQPIRWYQNIPVISWLVLRGKCGHCQHPISIRYPAIELLTMLCSLVVVMVFGPTIQMLFGLVLT   141
NTDB id 1080 FDQ49 RS18305 WP 022575844.1     HEKLTLSKPASSCPACHQPIRWYQNIPLISWLVLRGKCGHCQHPISIRYPAIELLTMLCSLVVVMVFGPTIQMLFGLVLT   141
NTDB id 177386 AYJ58 RS04880 WP 106649215.1  PEKYNLVVPGSACPKCKTAIKPWHNLPVLGWLMLKGNCAACHAPISARYPIIEFITGLLIATLAWHFGPSWQFVFASILT   160
NTDB id 1403 DSB67 RS12675 WP 010643256.1    KETLTLSVPRSSCQQCGTQIRIRDNIPVISWLLLRGKCHNCQAPINARYPLIELLTAFCSGFIAFHFGFSYFTVALVFFT   137
NTDB id 1170 A1552VC RS11080 WP 000418747.1  EGKLTLSLPRSTCPHCQTPIRVIDNIPLLSWLALRGQCSHCKAPISARYPLIELLTALMSLVIATHFPFGVFAVALLFFS   137
consensus                                     ****!   ! !*!* !  *!* * !*!****!*!*!*!* !* *!* !!!*!!**!** * ***   ** *    * *****

logo
NTDB id 1111 NGFG RS09220 WP 003689814.1      AFLISLTFIDADTQYLPDSMTLPLIWLGLIFNLDG.GFVPLQSAVLGAVAGYSSLWLLCAVYKLLTGKTGMGNGDFKLIA   216
NTDB id 1061 ABD1 RS18470 WP 001152280.1      WVLIALTFIDFDTQLLPDRFTLPLAALGLGINTFN.IYTSPNSAIWGYLIGFLCLWIVYYLFKVITGKEGMGYGDFKLLA   220
NTDB id 1080 FDQ49 RS18305 WP 022575844.1     WVLIALTFIDFDTQLLPDRFTLPLAALGLGINTFN.IYTSPNSAIWGYLIGFLCLWIVYYLFKVITGKEGMGYGDFKLLA   220
NTDB id 177386 AYJ58 RS04880 WP 106649215.1  FVLVALTGIDLDEMLLPDQMTLPLLWLGLIINLNH.TFASPTDAIIGAAAGYLSLWSIFWLFKILTGKEGMGYGDFKLLA   239
NTDB id 1403 DSB67 RS12675 WP 010643256.1    FVLIAATFIDLDTMLLPDQLTLPLMWTGIALALAGISPVSLQDSIIGAMAGYLCLWSVYWLFKLLTGKEGMGYGDFKLLA   217
NTDB id 1170 A1552VC RS11080 WP 000418747.1  YVLIAATFIDFDTLLLPDQLTLPLLWGGIALALLGFSPVSLSDAVIGAMAGYLSLWSIYWLFKLLTGKEGMGYGDFKLLA   217
consensus                                    **!***!*!! !* *!!! *!!!!***!*****    * * * ***!***!** !! *****!**!!!*!!!*!!!!!*!

logo
NTDB id 1111 NGFG RS09220 WP 003689814.1      ALGAWLGISALPVLIFVSSLIGLVAAIVMR....VAKGRHFAFGPALTVSGWIIFTANDSVWRAVNWWLTHPVR...   286
NTDB id 1061 ABD1 RS18470 WP 001152280.1      ALGAWMGPLMLPLIVLLSSLLGAIIGIILLKLRN..DNQPFAFGPYIAIAGWVAFLWGDQI...MKIYLGG......   286
NTDB id 1080 FDQ49 RS18305 WP 022575844.1     ALGAWMGPLMLPLIVLLSSLLGAIIGIILLKLRN..DNQPFAFGPYIAIAGWVAFLWGDQI...MKIYLGG......   286
NTDB id 177386 AYJ58 RS04880 WP 106649215.1  VFGAWLGWQMLPLVILLSSLVGAVVGITMIVSKRLKQGNPIPFGPYIAAAGWIALLFGQQI...VDWYLSTL.....   308
NTDB id 1403 DSB67 RS12675 WP 010643256.1    ALGAWLGWQSLPMIILLSSVVGVIFGLIQLRLQKQGIEKAFPFGPYLAIAGWVSLIWGHQI...LNWYFTSILGV..   289
NTDB id 1170 A1552VC RS11080 WP 000418747.1  ALGAWLGWQQLPVIVLLSSVVGVIFGLIQLRQQKKGIDMAFPFGPYLAIAGWFALLWGDKV...IDWYFTTWVGQPL   291
consensus                                    **!!!*!   !!*****!!**! * ******         * !!!*****!!** ******   * ****
```

X non conserved

X similar

X $\geq$ 50% conserved