```
logo
NTDB id 1111 NGFG RS09220 WP 003689814.1        MSDLSVL...S.PFAVPLAAVLGLLVGSFLNVVIYRVPVMMERGWTVFAKEHLNLPLT.....DDESRTFNLMKPDSCCP   71
NTDB id 1035050 ACA027 RS04185 WP 370681148.1   ...MALHF....GMEAWLAALFGLVIGSFLNVVILRLPRQMEQDWAAEHEAAIRGAAHVAGSGRAPAYGVTLSTPRSHCP   73
NTDB id 1061 ABD1 RS18470 WP 001152280.1        MQDIIAYFIQNLTALYIAVALVSLCIGSFLNVVIYRTPKMMEQDWQQECQMLLNPEQP.....IIDHERLTLNKPASSCP   75
NTDB id 1080 FDQ49 RS18305 WP 022575844.1       MQDIIAYFIQNLTALYIAVALVSLCIGSFLNVVIYRTPRMMEQDWQQECQMLLNPEQP.....IIDHEKLTLSKPASSCP   75
NTDB id 1170 A1552VC RS11080 WP 000418747.1     .MELFYFY...PWLFPVLATLFGLIVGSFLNVVIYRLPKIMEREWRAECAASFPEYGI.....TPPEGKLTLSLPRSTCP   71
NTDB id 1403 DSB67 RS12675 WP 010643256.1       .MEVFQYY...PWLFVVFATIFGLIVGSFLNVVIYRLPKIMELEWRRECAESFPEYKI.....EPPKETLTLSVPRSSCQ   71
consensus                                         **  **        * *** *!**!!!!!!!!*!*!**!! *!  **   *                **!* ! !*!*

logo
NTDB id 1111 NGFG RS09220 WP 003689814.1        KCRVPIRAWQNIPIVSYLLLRGKCASCQTKISIRYPLIELLTGVLFGLVAWQYGWSWITLGGLILTAFLISLTFIDADTQ  151
NTDB id 1035050 ACA027 RS04185 WP 370681148.1   HCGHTIYWYQNIPVLSYLVLRGHCAHCKARISMRYPLVELATAALFALCVARWGTNPTGLAWCGFSAALLTLALIDWDTT  153
NTDB id 1061 ABD1 RS18470 WP 001152280.1        ACQQPIRWYQNIPVISWLVLRGKCGHCQHPISIRYPAIELLTMLCSLVVVMVFGPTIQMLFGLVLTWVLIALTFIDFDTQ  155
NTDB id 1080 FDQ49 RS18305 WP 022575844.1       ACHQPIRWYQNIPLISWLVLRGKCGHCQHPISIRYPAIELLTMLCSLVVVMVFGPTIQMLFGLVLTWVLIALTFIDFDTQ  155
NTDB id 1170 A1552VC RS11080 WP 000418747.1     HCQTPIRVIDNIPLLSWLALRGQCSHCKAPISARYPLIELLTALMSLVIATHFPFGVFAVALLFFSYVLIAATFIDFDTL  151
NTDB id 1403 DSB67 RS12675 WP 010643256.1       QCGTQIRIRDNIPVISWLLLRGKCHNCQAPINARYPLIELLTAFCSGFIAFHFGFSYFTVALVFFTFVLIAATFIDLDTM  151
consensus                                        !  *!* **!!!**!*!*!!!*!**!* *!**!!!**!!*!** * **   ** *   ** *  ***!*****!!*!!

logo
NTDB id 1111 NGFG RS09220 WP 003689814.1        YLPDSMTLPLIWLGLIFNLDGGF.VPLQSAVLGAVAGYSSLWLLCAVYKLLTGKTGMGNGDFKLIAALGAWLGISALPVL  230
NTDB id 1035050 ACA027 RS04185 WP 370681148.1   LLPDSITLPLLWAGLLASALQWTTTPLPDAVYGAVAGYLSLWLVYWAFKLATGKEGMGYGDFKLFAALGAWLGWQALVPV  233
NTDB id 1061 ABD1 RS18470 WP 001152280.1        LLPDRFTLPLAALGLGINTFNIY.TSPNSAIWGYLIGFLCLWIVYYLFKVITGKEGMGYGDFKLLAALGAWMGPLMLPLI  234
NTDB id 1080 FDQ49 RS18305 WP 022575844.1       LLPDRFTLPLAALGLGINTFNIY.TSPNSAIWGYLIGFLCLWIVYYLFKVITGKEGMGYGDFKLLAALGAWMGPLMLPLI  234
NTDB id 1170 A1552VC RS11080 WP 000418747.1     LLPDQLTLPLLWGGIALALLGFSPVSLSDAVIGAMAGYLSLWSIYWLFKLLTGKEGMGYGDFKLLAALGAWLGWQQLPVI  231
NTDB id 1403 DSB67 RS12675 WP 010643256.1       LLPDQLTLPLMWTGIALALAGISPVSLQDSIIGAMAGYLCLWSVYWLFKLLTGKEGMGYGDFKLLAALGAWLGWQSLPMI  231
consensus                                       *!!! *!!!!** !***        *** ** !***!** !!******!**!!!*!!!*!!!!!*!!!!!!*!   !***

logo
NTDB id 1111 NGFG RS09220 WP 003689814.1        IFVSSLIGLVAAIVMR....VAKGRHFAFGPALTVSGWIIFTANDSVWRAVNWWLTHPVR...   286
NTDB id 1035050 ACA027 RS04185 WP 370681148.1   ILIASVLGLIAGLALQFTGSLREGGYIPFGPFLAGAGCAAMVFGSDMM...VDGLFAFAGM..   291
NTDB id 1061 ABD1 RS18470 WP 001152280.1        VLLSSLLGAIIGIILLKLRND..NQPFAFGPYIAIAGWVAFLWGDQIM...KIYLGG......   286
NTDB id 1080 FDQ49 RS18305 WP 022575844.1       VLLSSLLGAIIGIILLKLRND..NQPFAFGPYIAIAGWVAFLWGDQIM...KIYLGG......   286
NTDB id 1170 A1552VC RS11080 WP 000418747.1     VLLSSVVGVIFGLIQLRQQKKGIDMAFPFGPYLAIAGWFALLWGDKVI...DWYFTTWVGQPL   291
NTDB id 1403 DSB67 RS12675 WP 010643256.1       ILLSSVVGVIFGLIQLRLQKQGIEKAFPFGPYLAIAGWVSLIWGHQIL...NWYFTSILGV..   289
consensus                                       ****!**!** ******         * !!!*****!*** **** **      **
```

X non conserved

X similar

X ≥ 50% conserved