```
logo
NTDB id 1111 NGFG RS09220 WP 003689814.1        .MSDLSVLSPFA.......VPLAAVLGLLVGSFLNVVIYRVPVMMERGWTVFAKEHLNLPLTDDESRTFNLMKPDSCCPK   72
NTDB id 110760 ACAM32 RS17525 WP 142468517.1   MFENIALLPEFAAQYPSIWGGFLFLSGLAFGSFFNVVIHRLPLMMAH..................AEGINLCFPASFCPQ   62
NTDB id 1080 FDQ49 RS18305 WP 022575844.1       MQD....IIAYFIQNLTALYIAVALVSLCIGSFLNVVIYRTPRMMEQDWQQECQMLLNPEQPIIDHEKLTLSKPASSCPA   76
NTDB id 1061 ABD1 RS18470 WP 001152280.1        MQD....IIAYFIQNLTALYIAVALVSLCIGSFLNVVIYRTPKMMEQDWQQECQMLLNPEQPIIDHERLTLNKPASSCPA   76
NTDB id 1170 A1552VC RS11080 WP 000418747.1    .ME....LFYFY...PWLFPVLATLFGLIVGSFLNVVIYRLPKIMEREWRAECAASFPEYGITPPEGKLTLSLPRSTCPH   72
NTDB id 1403 DSB67 RS12675 WP 010643256.1      .ME....VFQYY...PWLFVVFATIFGLIVGSFLNVVIYRLPKIMELEWRRECAESFPEYKIEPPKETLTLSVPRSSCQQ   72
consensus                                        *    *  **        *   * *! *!!!*!!!!*!*!**!* **  **              * **!  ! !*!*

logo
NTDB id 1111 NGFG RS09220 WP 003689814.1        CRVPIRAWQNIPIVSYLLLRGKCASCQTKISIRYPLIELLTGVLFGLVAWQYGWSWITLGGLILTAFLISLTFIDADTQY  152
NTDB id 110760 ACAM32 RS17525 WP 142468517.1   CREPIAWRDNIPLLSFLFLKGRSRCCGEPISPRYPLMELATGALFMLVGYLIPPGIPLLGGLLLLSVLLILATIDAQTQL  142
NTDB id 1080 FDQ49 RS18305 WP 022575844.1       CHQPIRWYQNIPLISWLVLRGKCGHCQHPISIRYPAIELLTMLCSLVVVMVFGPTIQMLFGLVLTWVLIALTFIDFDTQL  156
NTDB id 1061 ABD1 RS18470 WP 001152280.1        CQQPIRWYQNIPVISWLVLRGKCGHCQHPISIRYPAIELLTMLCSLVVVMVFGPTIQMLFGLVLTWVLIALTFIDFDTQL  156
NTDB id 1170 A1552VC RS11080 WP 000418747.1    CQTPIRVIDNIPLLSWLALRGQCSHCKAPISARYPLIELLTALMSLVIATHFPFGVFAVALLFFSYVLIAATFIDFDTLL  152
NTDB id 1403 DSB67 RS12675 WP 010643256.1      CGTQIRIRDNIPVISWLLLRGKCHNCQAPINARYPLIELLTAFCSGFIAFHFGFSYFTVALVFFTFVLIAATFIDLDTML  152
consensus                                       !  *!*   !!!**!*!*!*!**  !* *!* !!!**!!*!** *****  ** **  *********!******!! *!**

logo
NTDB id 1111 NGFG RS09220 WP 003689814.1        LPDSMTLPLIWLGLIFNLDGGF.VPLQSAVLGAVAGYSSLWLLCAVYKLLTGKTGMGNGDFKLIAALGAWLGISALPVLI  231
NTDB id 110760 ACAM32 RS17525 WP 142468517.1   LPDGLTLPLLWAGLLFNLSDTF.APLAEAVIGAMAGYLSLWSVYWVFRLLTGKEALGYGDFKLLAALGAWLGWQALPQTL  221
NTDB id 1080 FDQ49 RS18305 WP 022575844.1       LPDRFTLPLAALGLGINTFNIY.TSPNSAIWGYLIGFLCLWIVYYLFKVITGKEGMGYGDFKLLAALGAWMGPLMLPLIV  235
NTDB id 1061 ABD1 RS18470 WP 001152280.1        LPDRFTLPLAALGLGINTFNIY.TSPNSAIWGYLIGFLCLWIVYYLFKVITGKEGMGYGDFKLLAALGAWMGPLMLPLIV  235
NTDB id 1170 A1552VC RS11080 WP 000418747.1    LPDQLTLPLLWGGIALALLGFSPVSLSDAVIGAMAGYLSLWSIYWLFKLLTGKEGMGYGDFKLLAALGAWLGWQQLPVIV  232
NTDB id 1403 DSB67 RS12675 WP 010643256.1      LPDQLTLPLMWTGIALALAGISPVSLQDSIIGAMAGYLCLWSVYWLFKLLTGKEGMGYGDFKLLAALGAWLGWQSLPMII  232
consensus                                       !!!  *!!!!** !*****    *   ***  ***!***!**  !! ********!!!***!*!!!!!*!!!!!!!*!    !!***

logo
NTDB id 1111 NGFG RS09220 WP 003689814.1        FVSSLIGLVAAIVMRV....AKGRHFAFGPALTVSGWIIFTANDSVWRAVNWWLTHPVR...   286
NTDB id 110760 ACAM32 RS17525 WP 142468517.1   LLASASGLVWTLLQRLITRQSLQQPLAFGPWLALAGGGIFLWSQV...................   266
NTDB id 1080 FDQ49 RS18305 WP 022575844.1       LLSSLLGAIIGIILLKLRND..NQPFAFGPYIAIAGWVAFLWGDQI...MKIYLGG......   286
NTDB id 1061 ABD1 RS18470 WP 001152280.1        LLSSLLGAIIGIILLKLRND..NQPFAFGPYIAIAGWVAFLWGDQI...MKIYLGG......   286
NTDB id 1170 A1552VC RS11080 WP 000418747.1    LLSSVVGVIFGLIQLRQQKKGIDMAFPFGPYLAIAGWFALLWGDKV...IDWYFTTWVGQPL   291
NTDB id 1403 DSB67 RS12675 WP 010643256.1      LLSSVVGVIFGLIQLRLQKQGIEKAFPFGPYLAIAGWVSLIWGHQI...LNWYFTSILGV..   289
consensus                                      ***!**!** *** ***         **!!!*****!** ***** *    *  *
```

X non conserved

X similar

X ≥ 50% conserved