logo

```
NTDB id 1111 NGFG RS09220 WP 003689814.1   MSDLSVLSP....FAVPLAAVLGLLVGSFLNVVIYRVPVMMERGWTVFAKEHLNLPLTDDESRTFNLMKPDSCCPKCRVP   76
NTDB id 1080 FDQ49 RS18305 WP 022575844.1  MQDIIAYFIQNLTALYIAVALVSLCIGSFLNVVIYRTPRMMEQDWQQECQMLLNPEQPIIDHEKLTLSKPASSCPACHQP   80
NTDB id 1061 ABD1 RS18470 WP 001152280.1   MQDIIAYFIQNLTALYIAVALVSLCIGSFLNVVIYRTPKMMEQDWQQECQMLLNPEQPIIDHERLTLNKPASSCPACQQP   80
NTDB id 89184 OCV27 RS12655 WP 125319700.1 .MNLFFYYP...WLFPTLATIFGLIIGSFLNVVIHRLPKIMEQEWHKECAECFPEYQISPPVENFSLSKPRSQCPSCKTK   76
NTDB id 1403 DSB67 RS12675 WP 010643256.1  .MEVFQYYP...WLFVVFATIFGLIVGSFLNVVIYRLPKIMELEWRRECAESFPEYKIEPPKETLTLSVPRSSCQQCGTQ   76
NTDB id 1170 A1552VC RS11080 WP 000418747.1 .MELFYFYP...WLFPVLATLFGLIVGSFLNVVIYRLPKIMEREWRAECAASFPEYGITPPEGKLTLSLPRSTCPHCQTP   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 89184 OCV27 RS12655 WP 125319700.1 IRNIDNIPLISWLMLRGKCNHCQAKISVRYPLVELLSALLSFTVAYQFEFSYFAVALLCFTFVLIAATFIDLDTMLLPDQ   156
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 89184 OCV27 RS12655 WP 125319700.1 LTLPLVWSGIYISLIGVSPVSLQDAVIGAISGYLCLWTVYWGFKLLTGKEGMGYGDFKLLAALGAWLGWQYLPIIVLLSS   236
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   LIGLVAAIVMRV....AKGRHFAFGPALTVSGWIIFTANDSVWRAVNWWLTHPVR...   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 89184 OCV27 RS12655 WP 125319700.1 LVGLVFGIIQLRLKKQGIDKAFPFGPYLAIAGWISALWGEQI...LSWYFTQVIGV..   289
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