```
logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1154 A1552VC RS20525 WP 001884047.1  MPQPCTNTRSCPCPLTCQYNAMVTVSPSISIFIHSANWQDEAHYPDSWLAMLTHWLRKTTAPLLTPECHLCRLALDTNS.   79
NTDB id 1398 DSB67 RS00645 WP 029388870.1    ..................................................MLSHQWQNIMHRVLSSQCGLCRFPIPHRQT   30
NTDB id 67019 R9B26 RS21535 WP 199028227.1   ..............................................................MLTVPGLCWLCQMPLALSG.   19
NTDB id 1434 BW25113 RS17685 WP 001333371.1  ..............................................................MLTVPGLCWLCRMPLALGH.   19
NTDB id 1458 ASU2 RS11390 WP 005624668.1     ..............................................................MNYWGFRCIHCRKPLAIAQ.   19
NTDB id 1374 NTHI RS02640 WP 011272045.1     ..............................................................MNFFNFRCIHCRGNLHIAK.   19
NTDB id 1348 HI 0434 AAC22093.1              .............................................................MMNFFNFRCIHCRGNLHIAK.   20
consensus                                                                                                   *  *   ! *!* ** **

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NTDB id 1154 A1552VC RS20525 WP 001884047.1  ..PFGVCSACQAWLEH.GYRCARCGLPTLT....PVDQCGQCLGQPPPWRKLMCVGDYRFPLSDAVHQLKYQRQFWQAPR  152
NTDB id 1398 DSB67 RS00645 WP 029388870.1    PNLMRWCDSCFDHLTP.IERCMRCGLKMTEEESQAATECGECLKEPPPWRRLYTLGDYDFPLSQQVQRFKDHGEVWHVGA  109
NTDB id 67019 R9B26 RS21535 WP 199028227.1   ...WGVCSVCTRALEWRIGICPQCGLPATN....PSLPCGRCLKKSPPWSALVAVDDYVPPLSRLVHALKFSGQSSLAQP   92
NTDB id 1434 BW25113 RS17685 WP 001333371.1  ...WGICSVCSRATRTDKTLCPQCGLPATH....SHLPCGRCLQKPPPWQRLVTVADYAPPLSPLIHQLKFSRRSEIASA   92
NTDB id 1458 ASU2 RS11390 WP 005624668.1     ...HTICSSCYRKIEK.SCYCGCCGALLPE....NQLYCGNCLRNEPKWHRIVQIAYYKPPLSDWIHRFKFQDQFWLDQG   91
NTDB id 1374 NTHI RS02640 WP 011272045.1     ...NGLCSGCQKQIKS.FPYCGHCGAELQY....YAQHCGNCLKQEPSWDKMVIIGHYIEPLSILIHRFKFQNQFWIDRT   91
NTDB id 1348 HI 0434 AAC22093.1              ...NGLCSGCQKQIKS.FPYCGHCGSELQY....YAQHCGNCLKQEPSWDKMVIIGHYIEPLSILIQRFKFQNQFWIDRT   92
consensus                                        **!* ! * *      !* !!* *         !!*!!** !*! *** ***!  !!! *****!** ****

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NTDB id 1154 A1552VC RS20525 WP 001884047.1  LAKLLATQINE........PAPLLCSVPLHWRRRWQRGFNQSDLLARELANMLNVEYDHQLFARRRATPHQQGLSKAQRI  224
NTDB id 1398 DSB67 RS00645 WP 029388870.1    LTQLLAERVEQ........PAPVITSVPVHWQRLLKRGFNQSHILAKHLAHHLDVRYENKVFKRVKNVQSQRGNKKASRE  181
NTDB id 67019 R9B26 RS21535 WP 199028227.1   LARLLLLAVLQARRQRALAKIDMVVNVPLYRHRHWRRGYNQSDLLCRPLARWLGCRYEARALTRVHATAIQHQLSARLRK  172
NTDB id 1434 BW25113 RS17685 WP 001333371.1  LSRLLLLEVLHARRTTGLQLPDRIVSVPLWQRRHWRRGFNQSDLLCQPLSRWLHCQWDSEAVTRTRATATQHFLSARLRK  172
NTDB id 1458 ASU2 RS11390 WP 005624668.1     LARLLLLAIKQAQRTHQLELPEVIFPVPLFWHREWQRGFNQAQLLAEHLSNWLNTPLDNVSLKRVRATYSQRQLTAYERK  171
NTDB id 1374 NTHI RS02640 WP 011272045.1     LARLLYLAVRDAKRTHQLKLPEAIIPVPLYHFRQWRRGYNQADLLSRQLSRWLDIPNLSNIVKRVKHTYTQRGLSAKDRR  171
NTDB id 1348 HI 0434 AAC22093.1              LARLLYLAVRDAKRTHQLKLPEAIIPVPLYHFRQWRRGYNQADLLSQQLSRWLDIPNLNNIVKRVKHTYTQRGLSAKDRR  172
consensus                                    !**!! ***  ****  * ****** !!**  ! **!!*!!***! * !***! * **  ***!**** *!****** !*

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NTDB id 1154 A1552VC RS20525 WP 001884047.1  HNLRDAFVLNHPP...NQPHVAIVDDVVTTGSTIRHLCDLLLDVGVQSIDIYCICRTPEPKDSHG  286
NTDB id 1398 DSB67 RS00645 WP 029388870.1    QNLQGAFALRGEV...DFSHVAIVDDVVTTGSTVRQLCHLLLEVGVESIDIYCICRTPAPGSL..  241
NTDB id 67019 R9B26 RS21535 WP 199028227.1   RNLKNAFRLELPV...DGLHIAIVDDVVTTGSTVAELSRLLLRSGAASVQVWCLCRTL.......  227
NTDB id 1434 BW25113 RS17685 WP 001333371.1  RNLKNAFRLELPV...QGRHMVIVDDVVTTGSTVAEIAQLLLRNGAAAVQVWCLCRTL.......  227
NTDB id 1458 ASU2 RS11390 WP 005624668.1     RNLKGAFRYTP...NRAYHRVAIIDDVVTTGSTLNAICAELLKQGVQHIQVWTLARA........  225
NTDB id 1374 NTHI RS02640 WP 011272045.1     QNLKNAFSLVVSKNEFPYRRVALVDDVITTGSTLNEISKLLRKLGVEEIQVWGLARA........  228
NTDB id 1348 HI 0434 AAC22093.1              QNLKNAFSLAVSKNEFPYRRVALVDDVITTGSTLNEISKLLRKLGVEEIQVWGLARA........  229
consensus                                     !!**!! * *      * *****!!!*!!!!!* **  *!***!*  *******!*
```

X non conserved

X similar

X $\geq$ 50% conserved