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logo
NTDB id 1159 ABDM36 RS04765 WP 001166105.1   ..................................................................................   0
NTDB id 1150 A1552VC RS08580 WP 001166105.1  ..................................................................................   0
NTDB id 1294 VP RS04495 WP 021449594.1       ..................................................................................   0
NTDB id 1395 DSB67 RS04445 WP 010649155.1    ..................................................................................   0
NTDB id 1362 HI 1008 AAC22669.1              ..................................................................................   0
NTDB id 1382 A4U84 RS07375 WP 062924234.1    ..................................................................................   0
NTDB id 613 LCA RS05340 WP 231952379.1       ............MMWQDYWQRYRRFWWVPCLVLLGIIAGGFYWHQSQQKQKVTQNEQLLATSA.......SKTKPATKKT   61
NTDB id 1069 ABD1 RS03060 WP 043960841.1     ..................................................................................   0
NTDB id 1041 HON27 RS14740 WP 005124713.1    ..................................................................................   0
NTDB id 595 KW2 RS08725 WP 021037687.1       .......MEKILDKLKEYWKIML....LVVCALIAGGIFYIFTNSP....KPAETLSVENLSSSSTKSSV.....SKFNS   60
NTDB id 36 MW RS08230 WP 001793467.1         MVLLYQFLLRYKD.FLTQWKLYI....ISAVVLIMVLIGFIFWRQDDYTSRNFENKDNALKQSTSENSSLSKVEDVQVKD   75
NTDB id 20 SA RS08005 WP 001802022.1         MVLLYQFLLRYKD.FLTQWKLYI....ISAVVLIMVLIGFIFWRQDDYTSRNFENKDTALKQSTSENNSLSKLEDVQVKD   75
NTDB id 1014 ACIAD RS13855 WP 004924483.1    ..................................................................................   0
NTDB id 1127 NGFG RS10560 WP 003703428.1     ..................................................................................   0
NTDB id 1126 NGFG RS09375 WP 003703428.1     ..................................................................................   0
NTDB id 1125 NGFG RS07215 WP 003703428.1     ..................................................................................   0
NTDB id 1108 NGFG RS06525 WP 003703428.1     ..................................................................................   0
NTDB id 105 BSU 25590 NP 390437.1            ...........MN.WLNQHKKAI....ILAASAAVFTAIMIFLATG....KNKE....PVKQAVPT....ETENTVVKQE   52
NTDB id 226670 CCUN RS00180 WP 027304938.1   ..................................................................................   0
NTDB id 1242 Cj0011c YP 002343483.1          ..................................................................................   0
consensus
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logo
NTDB id 1159 ABDM36 RS04765 WP 001166105.1   ..............................................................MQIKTKIVTLFLSLCLPTLPLL   22
NTDB id 1150 A1552VC RS08580 WP 001166105.1  ..............................................................MQIKTKIVTLFLSLCLPTLPLL   22
NTDB id 1294 VP RS04495 WP 021449594.1       ...............................................................MKWILTLCLVVFAPL   15
NTDB id 1395 DSB67 RS04445 WP 010649155.1    ...............................................................MKWMLTLCLLILAPM   15
NTDB id 1362 HI 1008 AAC22669.1              ...............................................................MKTL..FTSVVLCGALVVSS   18
NTDB id 1382 A4U84 RS07375 WP 062924234.1    ...............................................................MKKLSRYTFSLLFG.LFSAT   19
NTDB id 613 LCA RS05340 WP 231952379.1       HQAATKKKGGFVDIKGAVVYPGIYPITVSETRLFEVLKNAGGPTDAADTKRLNLAQKLTD..................QLI  124
NTDB id 1069 ABD1 RS03060 WP 043960841.1     ...........................................................MQYSMRFWKNKYFVLIMLCLGVISPS   26
NTDB id 1041 HON27 RS14740 WP 005124713.1    ...........................................................MQYSMRFWKNKYFLLIMLCLGVISPS   26
NTDB id 595 KW2 RS08725 WP 021037687.1       SSSEKNKNEIMVDLKGAVAKPNVYQISS.DERLVDLIRQAGGFTDQADQKSINLSAKLKD..................EEV  122
NTDB id 36 MW RS08230 WP 001793467.1         GDNSKNKGPVYVDVKGAVKHPNVYKMTS.KDRVVDLLDKAQLLE.DADVSQINLSEKLTD..................QKM  136
NTDB id 20 SA RS08005 WP 001802022.1         GDNSKNKGPVYVDVKGAVKHPNVYKMTS.KDRVVDLLDKAQLLD.DADVSRINLSEKLTD..................QKM  136
NTDB id 1014 ACIAD RS13855 WP 004924483.1    ...........................................................MSIRHFFTFFWATLLTLF.......SMQI   22
NTDB id 1127 NGFG RS10560 WP 003703428.1     ....................................MSRGGATPY....RFLLIRHIVAR..................CGL   23
NTDB id 1126 NGFG RS09375 WP 003703428.1     ....................................MSRGGATPY....RFLLIRHIVAR..................CGL   23
NTDB id 1125 NGFG RS07215 WP 003703428.1     ....................................MSRGGATPY....RFLLIRHIVAR..................CGL   23
NTDB id 1108 NGFG RS06525 WP 003703428.1     ....................................MSRGGATPY....RFLLIRHIVAR..................CGL   23
NTDB id 105 BSU 25590 NP 390437.1            ANNDESNETIVIDIKGAVQHPGVYEMRT.GDRVSQAIEKAGGTSEQADEAQVNLAEILQD..................GTV  114
NTDB id 226670 CCUN RS00180 WP 027304938.1   ...........................................................MKK.......................I    4
NTDB id 1242 Cj0011c YP 002343483.1          ...........................................................MKK.......................L    4
consensus                                                                                             * *                        *
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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1159 ABDM36 RS04765 WP 001166105.1   ANAEETAPAAQ.............................VEEGIVITVNINTASAEELATLLKGIGLKKAQAIVDYRE   72
NTDB id 1150 A1552VC RS08580 WP 001166105.1  ANAEETAPAAQ.............................VEEGIVITVNINTASAEELATLLKGIGLKKAQAIVDYRE   72
NTDB id 1294 VP RS04495 WP 021449594.1       SLAA..DTKAD.............................KYEGIEITVNINTASAEEIATMLKGIGEKKAQSIVDYRT   63
NTDB id 1395 DSB67 RS04445 WP 010649155.1    SWAE.TKTKAD.............................KYEGIEITVNVNSATAQEIATLLIGIGEKKAQDIVEYRN   64
NTDB id 1362 HI 1008 AAC22669.1              SFAEEKATXQTAQSV.................VTTQAEAQVAPAVVSDKLNINTATASEIQKSLTGIGAKKAEAIVQYRE   81
NTDB id 1382 A4U84 RS07375 WP 062924234.1    TFAEEKVTTSTEHTP.................VVMQQ.VAATQKVNANVVNINTATASEIQDKLVGIGAKKAQAIVEYRE   81
NTDB id 613 LCA RS05340 WP 231952379.1       IYIPKKGEVVTDQELIQAPQQIATTSERTQEQASTGTSANASSTSDTAKIDLNQADSTQLQT.LNGIGPKKAEQIIAYRD  203
NTDB id 1069 ABD1 RS03060 WP 043960841.1     VCAQSFDQNFQEWKVKQQMYDQKLNISKSSHSNSSKISQTKNFNDSTGQIHLNQANVNEFQQ.LKGIGEKKAQAIVEYRQ  105
NTDB id 1041 HON27 RS14740 WP 005124713.1    VCAQSFDQNFQEWKAKQQMYDQKLNITKSSHSNGSKISQTKNFNDSTGQIHLNQANVNEFQQ.LKGVGEKKAQAIVEYRQ  105
NTDB id 595 KW2 RS08725 WP 021037687.1       IYVPKVGESSSSEST.....D......SPTGSSVSNQ....ISTTSGPKVNINKADLTELQK.LTGIGQKKAQDIIDFRM  186
NTDB id 36 MW RS08230 WP 001793467.1         IFIPHKGQK.........NVEPQIGVN.....SVHVK....NGNTNNTKVNLNTASVSELMS.VPGVGQAKANAIVEYRN  197
NTDB id 20 SA RS08005 WP 001802022.1         IFIPHKGQK.........NVEPQIEVN.....SVHVK....NGNTNNTKVNLNTASVSELMS.VPGVGQAKANAIVEYRN  197
NTDB id 1014 ACIAD RS13855 WP 004924483.1    VFAQGFDQQYDAWKTQQKAHDTRLNSSASHHSLSKPT....QQSGTGVKVNINSATAKELQQ.LHGVGEKKALAIVEYRQ   97
NTDB id 1127 NGFG RS10560 WP 003703428.1     LFAT........LK....GKTMK....KMFVLFCMLF....SCAFSLAAVNINAASQQELEA.LPGIGPAKAKAIAEYRA   82
NTDB id 1126 NGFG RS09375 WP 003703428.1     LFAT........LK....GKTMK....KMFVLFCMLF....SCAFSLAAVNINAASQQELEA.LPGIGPAKAKAIAEYRA   82
NTDB id 1125 NGFG RS07215 WP 003703428.1     LFAT........LK....GKTMK....KMFVLFCMLF....SCAFSLAAVNINAASQQELEA.LPGIGPAKAKAIAEYRA   82
NTDB id 1108 NGFG RS06525 WP 003703428.1     LFAT........LK....GKTMK....KMFVLFCMLF....SCAFSLAAVNINAASQQELEA.LPGIGPAKAKAIAEYRA   82
NTDB id 105 BSU 25590 NP 390437.1            VYIP........KK....GEETA....VQQGGGGSVQ....SDGGKGALVNINTATLEELQG.ISGVGPSKAEAIIAYRE  173
NTDB id 226670 CCUN RS00180 WP 027304938.1   LFL.............................IFA....FISLLSAAVNINTASKEELQT.LKGIGETKAEAILEYRK   48
NTDB id 1242 Cj0011c YP 002343483.1          LFL.............................FFA....LTAFLFGAVNINTATLKELKS.LNGIGEAKAKAILEYRK   48
consensus                                    ***                                       * ***!*!*  **   * !*! *!!**!***!
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logo

NTDB id 1159 ABDM36 RS04765 WP 001166105.1   ANGPFTHIDDLTNVKGIGEATVRNNAARILL...................   103
NTDB id 1150 A1552VC RS08580 WP 001166105.1  ANGPFTHIDDLTNVKGIGEATVRNNAARILL...................   103
NTDB id 1294 VP RS04495 WP 021449594.1       EHGPFKTAADLTNVKGIGEATIKKNEDRILL...................    94
NTDB id 1395 DSB67 RS04445 WP 010649155.1    EHGPFKTAADLTKVKGIGEATVRKNEDRILL...................    95
NTDB id 1362 HI 1008 AAC22669.1              KHGNFXNAEQLLEVQGIGKATLEKNRDRIIF...................   112
NTDB id 1382 A4U84 RS07375 WP 062924234.1    KNGKFLNVEQLTEVSGIGKATLEKNRDCIVIE..................   113
NTDB id 613 LCA RS05340 WP 231952379.1       EQGKFKQIEDLQKVGGIGPKTFEQLQSQICVN..................   235
NTDB id 1069 ABD1 RS03060 WP 043960841.1     KNGSFKNIDEIKNVKGIGPAIFEKNKSRLAL...................   136
NTDB id 1041 HON27 RS14740 WP 005124713.1    KNGSFKNIDEIKNVKGIGPAIFEKNKSRLAL...................   136
NTDB id 595 KW2 RS08725 WP 021037687.1       KNGDFKSIEDLGKVSGFGDKTLEKLKDEISID..................   218
NTDB id 36 MW RS08230 WP 001793467.1         QQGAFQEIDDLKKVKGFGSKTFDKLKSYFTI...................   228
NTDB id 20 SA RS08005 WP 001802022.1         QQGAFQEIDDLKKVKGFGSKTFDKLKSYFTI...................   228
NTDB id 1014 ACIAD RS13855 WP 004924483.1    QYGKFASVDDLQKVKGIGPKFIEKNRDRLAI...................   128
NTDB id 1127 NGFG RS10560 WP 003703428.1     QNGAFKSVDDLIKVKGIGPAVLAKLKDQASVGAPAPKGPAKPVLPAVKK   131
NTDB id 1126 NGFG RS09375 WP 003703428.1     QNGAFKSVDDLIKVKGIGPAVLAKLKDQASVGAPAPKGPAKPVLPAVKK   131
NTDB id 1125 NGFG RS07215 WP 003703428.1     QNGAFKSVDDLIKVKGIGPAVLAKLKDQASVGAPAPKGPAKPVLPAVKK   131
NTDB id 1108 NGFG RS06525 WP 003703428.1     QNGAFKSVDDLIKVKGIGPAVLAKLKDQASVGAPAPKGPAKPVLPAVKK   131
NTDB id 105 BSU 25590 NP 390437.1            ENGRFQTIEDITKVSGIGEKSFEKIKSSITVK..................   205
NTDB id 226670 CCUN RS00180 WP 027304938.1   D.QNFTSIEDIKKVKGIGEKTFEEIKDSISVE...................    79
NTDB id 1242 Cj0011c YP 002343483.1          E.ANFTSIDDLKKVKGIGDKLFEKIKNDITIE...................    79
consensus                                     **  !****** *!*!*! ******** ***
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X non conserved

X similar

X ≥ 50% conserved