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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1115 OK783 RS00485 WP 003698035.1     MNTKLT.........KIISGLFVATAAFQTASAGNITDIKVSSLPNKQKIVKVSFDKEIV.NPTGFVTSSPARIALDFEQ    70
NTDB id 1100 NMB RS09455 WP 002225652.1       MNTKLT.........KIISGLFVATAAFQTASAGNITDIKVSSLPNKQKIVKVSFDKEIV.NPTGFVTSSPARIALDFEQ    70
NTDB id 1092 CAD91899.1 1..2286( )            MNTKLT.........KIISGLFVATAAFQTASAGNITDIKVSSLPNKQKIVKVSFDKEIV.NPTGFVTSSPARIALDFEQ    70
NTDB id 1009 ACIAD RS15175 WP 004923730.1     MKQIIRQFSIGTVAYAIMQV.........ASAQVAITNVVPMNIPGQGTEIRVMFNGLPP.QPQAYQLEQPARLILDFDK    70
NTDB id 1039 HON27 RS01460 WP 031993779.1     MNHVFRQFSMGAVAIAIMQA.........ASAQVSMTNIVPMQIAGQGTEIRVMFNGLPP.QPQAYQLENPSRLILDFDK    70
NTDB id 1052 ABD1 RS15850 WP 001017033.1      MNHVFRQFSMGAVAIAIMQA.........ASAQVSMTNIVPMQIAGQGTEIRVMFNGLPP.QPQAYQLENPSRLILDFDK    70
NTDB id 1186 GTF74 RS01320 WP 000788426.1     ..................................................................................     0
NTDB id 1175 A1552VC RS12105 WP 000788426.1   ..................................................................................     0
NTDB id 1408 DSB67 RS13980 WP 010643500.1     ..................................................................................     0
NTDB id 1257 GC085 RS04855 WP 163621000.1     .....M.....RKIIAILIL.ISASLSLAYSKDNSLISVKVLPLPENRVRIDFQFSKPLKQLPASFITQKPPRLVLDFIS    69
NTDB id 1284 ACE17W RS12370 WP 010946666.1    .....M.....RKIIAILIL.ISASLSMAYSKDNSLISVKVLPLPENRVRIDFQFSKPLKQLPASFITQKPPRLVLDFIS    69
NTDB id 1013659 WH068 RS26690 WP 010955626.1 ..................................................................................     0
NTDB id 1193 PAKAF RS26665 WP 003161249.1     MNSGLS.....RLGIALLAA.MFA....PALLAADLEKLDVAALPGDRVELKLQFDEPVAA.PRGYTIEQPARIALDLPG    69
consensus                                                    **                  *  *    *      *   *       *  *    * **  ***
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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1115 OK783 RS00485 WP 003698035.1     TGISMDQ..QVLEYADPLLSKISAAQNSSRARLVLNLNKPGQYNTEVRGNKVWIFINESDDTVSAPARPAVKAAPAAPAK   148
NTDB id 1100 NMB RS09455 WP 002225652.1       TGISMDQ..QVLEYADPLLSKISAAQNSSRARLVLNLNKPGQYNTEVRGNKVWIFINESDDTVSAPARPAVKAAPAAPAK   148
NTDB id 1092 CAD91899.1 1..2286( )            TGISMDQ..QVLEYADPLLSKISAAQNSSRARLVLNLNKPGQYNTEVRGNKVWIFINESDDTVSAPARPAVKAAPAAPAK   148
NTDB id 1009 ACIAD RS15175 WP 004923730.1     AGQKLAKS..LIPVTTNEASSIDVSSDDKRARVVVNLKDAGAFTTRVEGNVFILKINNIQSTAT.....P..........   133
NTDB id 1039 HON27 RS01460 WP 031993779.1     AQQGLKQS..KISVATNEASSVDVTSDDQRSRLTVNLKDTGAFTTRVEGNTFILKINSAQTSNK.....P..........   133
NTDB id 1052 ABD1 RS15850 WP 001017033.1      AQQGLKQS..KISVATNEASSVDVTSDDQRSRLTVNLKDAGAFTTRVEGNTFILKINSAQTSNK.....P..........   133
NTDB id 1186 GTF74 RS01320 WP 000788426.1     ....................................MKNGLKT..YVAQTWLTLWVGLA.....L............C..    23
NTDB id 1175 A1552VC RS12105 WP 000788426.1   ....................................MKNGLKT..YVAQTWLTLWVGLA.....L............C..    23
NTDB id 1408 DSB67 RS13980 WP 010643500.1     ..................................MKMRHGLTLTPRKLTGLFSLWFSLL.....L............A..    27
NTDB id 1257 GC085 RS04855 WP 163621000.1     TDMQIPSDQKTKTIQLGSLHSYNIVAVGDRVRAILELDRSVSYSGSTAGSVYSLVLNGKSNDL.F............E..   134
NTDB id 1284 ACE17W RS12370 WP 010946666.1    TDMQIPSDQKTKTIQLGSLHSYNIVAVGDRVRAILELDRSVSYSGSTAGSIYSLVLNGKSNDL.F............E..   134
NTDB id 1013659 WH068 RS26690 WP 010955626.1 ..................................................................................     0
NTDB id 1193 PAKAF RS26665 WP 003161249.1     VQNKL..GTKNRELSVGNTRSVTVVEAKDRTRLIINLTTLSSYTTRVEGNNLFVVVGNSPAGASVASTAPVKASPAPA..   145
consensus                                         *                      * *  * *     *   * *    * **
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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1115 OK783 RS00485 WP 003698035.1     QQA.......................AAPFTESVVSVSAPFSPAKQQA.......................AASAKQTNI   182
NTDB id 1100 NMB RS09455 WP 002225652.1       QQAAAPSTKSAVSVSEPFTPAKQQAAAPFTESVVSVSAPFSPAKQQAAASAKQQAAAPAKQQAAAPAKQQAAAPAKQTNI   228
NTDB id 1092 CAD91899.1 1..2286( )            QQAAAPSTKSAVSVSEPFTPAKQQAAAPFTESVVSVSAPFSPAKQQAAASAKQQTA........APAKQQAAAPAKQTNI   220
NTDB id 1009 ACIAD RS15175 WP 004923730.1     ..................................V...............................ATSAPAPQQGIGNI   148
NTDB id 1039 HON27 RS01460 WP 031993779.1     ..................................L...............................PVVS.AQPQGVSNI   147
NTDB id 1052 ABD1 RS15850 WP 001017033.1      ..................................L...............................PVVS.AQPQGVSNI   147
NTDB id 1186 GTF74 RS01320 WP 000788426.1     ............................AS..SMV...............................FSAESATANQLENI    42
NTDB id 1175 A1552VC RS12105 WP 000788426.1   ............................AS..SMV...............................FSAESATANQLENI    42
NTDB id 1408 DSB67 RS13980 WP 010643500.1     ............................P....F...............................VAAEEVQSNSLKSI    43
NTDB id 1257 GC085 RS04855 WP 163621000.1     ............................NSKEVFI...............................TNQVVNAKHEIKRI   155
NTDB id 1284 ACE17W RS12370 WP 010946666.1    ............................NSKEVFI...............................TNQVVNAKHEIKRI   155
NTDB id 1013659 WH068 RS26690 WP 010955626.1 ..................................................................................     0
NTDB id 1193 PAKAF RS26665 WP 003161249.1     ............................SYAQPIK...............................PKPYVPAGRAIRNI   166
consensus                                                                  *                                                  *     *  **
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logo
NTDB id 1115 OK783 RS00485 WP 003698035.1     DFRKDGKNAGIIELAALGFAGQPDISQQHDHIIVTLKNHTLPTALQRSLDVADFKTPVQKVTLKRLNNDTQLIITTTGNW   262
NTDB id 1100 NMB RS09455 WP 002225652.1       DFRKDGKNAGIIELAALGFAGQPDISQQHDHIIVTLKNHTLPTTLQRSLDVADFKTPVQKVTLKRLNNDTQLIITTAGNW   308
NTDB id 1092 CAD91899.1 1..2286( )            DFRKDGKNAGIIELAALGFAGQPDISQQHDHIIVTLKNHTLPTTLQRSLDVADFKTPVQKVTLKRLNNDTQLIITTAGNW   300
NTDB id 1009 ACIAD RS15175 WP 004923730.1     GFQRGAQGEGLVVIDLQGTNTPVDVQQQGSKVVVRFPGIKIPTHLARRLNTTDFATPVASIDSYNDGSNGVISIQSTGSY   228
NTDB id 1039 HON27 RS01460 WP 031993779.1     GFQRGSQGEGLVVVDLLGSNTPVDVQQQGSKVVIRTIGTKIPTHLARRLNVNDFATPVSSIDAYNDKGVGVITIQSSGSY   227
NTDB id 1052 ABD1 RS15850 WP 001017033.1      GFQRGSQGEGLVVVDLLGSNTPVDVQQQGSKVVIRTIGTKIPTHLARRLNVNDFATPVSSIDAYNDKGVGVITIQSSGSY   227
NTDB id 1186 GTF74 RS01320 WP 000788426.1     DFRVNKEKAAVLIVELASPSAVVDVQKVQEGLSIELLKTDVADDKLYLLDVKDFSTPVESVEVFRKEPSTQLVVTVDGEF   122
NTDB id 1175 A1552VC RS12105 WP 000788426.1   DFRVNKEKAAVLIVELASPSAVVDVQKVQEGLSIELLKTDVADDKLYLLDVKDFSTPVESVEVFRKEPSTQLVVTVDGEF   122
NTDB id 1408 DSB67 RS13980 WP 010643500.1     DFRTNKDKDAVIVVELVSPAAIVDIKRVQEGLSIDLLNTSVKDDQLYLLDVKDFSTVVESVEVFRDTSTTRLVAYIDEDY   123
NTDB id 1257 GC085 RS04855 WP 163621000.1     DFRGIEKQGGRVLIDVSDTGIPIDVTQVGKEIVVNFLNTKIPLNLMKRYDVSDFHSPVQIITMQQEGKKVRMTILSKGDY   235
NTDB id 1284 ACE17W RS12370 WP 010946666.1    DFRGIEKQGGRVLIDVSDTGIPIDVTQVGKEIVVNFLNTKIPLNLMKRYDVSDFHSPVQIITMQQEGKKVRMTILSKGDY   235
NTDB id 1013659 WH068 RS26690 WP 010955626.1 ..............................................................................MK     2
NTDB id 1193 PAKAF RS26665 WP 003161249.1     DFQRGEKGEGNVVIDLSDPTLSPDIQEQGGKIRLDFAKTQLPDALRVRLDVKDFATPVQFVNASAQSDRTSITIEPSGLY   246
consensus                                     ***       *******       *** *    ***    * **  * * *** ** ***  * *        * * * * *

logo
NTDB id 1115 OK783 RS00485 WP 003698035.1     ELVNKSAAPGYFTFQVLPKKQNLESGGVNNAPKTFTGRKISLDFQDVEIRTILQILAKESGMNIVASDSVSGKMTLSLKD   342
NTDB id 1100 NMB RS09455 WP 002225652.1       ELVNKSAAPGYFTFQVLPKKQNLESGGVNNAPKTFTGRKISLDFQDVEIRTILQILAKESGMNIVASDSVNGKMTLSLKD   388
NTDB id 1092 CAD91899.1 1..2286( )            ELVNKSAAPGYFTFQVLPKKQNLESGGVNNAPKTFTGRKISLDFQDVEIRTILQILAKESGMNIVASDSVNGKMTLSLKD   380
NTDB id 1009 ACIAD RS15175 WP 004923730.1     EYMAYQAE.NKLTISLKRPQDNV.R.LNSKNNQNYTGKKISLDFQDIEVRRVLQLLADFTNINMVTADSVQGNITLHLKD   305
NTDB id 1039 HON27 RS01460 WP 031993779.1     EYMAYQAE.NKLTISLKRPQDKN.V.TSLYKTPNYSGNKLSLDFQDIEVRRVLQLLADFTGINMVAADSVQGNITLRLKD   304
NTDB id 1052 ABD1 RS15850 WP 001017033.1      EYMAYQAE.NKLTISLKRPQDKN.V.TSLYKTPNYSGNKLSLDFQDIEVRRVLQLLADFTGINMVAADSVQGNITLRLKD   304
NTDB id 1186 GTF74 RS01320 WP 000788426.1     QHDYTLKG.KYLEVVISKLKADE.KP.KPKSVLEKEGKLISINFQDIPVRNVLQLIADYNGFNLVVSDSVVGNLTLRLDG   199
NTDB id 1175 A1552VC RS12105 WP 000788426.1   QHDYTLKG.KYLEVVISKLKADE.KP.KPKSVLEKEGKLISINFQDIPVRNVLQLIADYNGFNLVVSDSVVGNLTLRLDG   199
NTDB id 1408 DSB67 RS13980 WP 010643500.1     SHDYRLTG.RYLEVKVGKLKANE.KA.PDKSILDKEGKLISINFQDIPVRNVLQLIADYNQFNLVVSDSVEGNLTLRLDG   200
NTDB id 1257 GC085 RS04855 WP 163621000.1     GHFVYQVN.KQFMVDVFPLTAEE.IRQAKLKKQVFTGKRISLNFQNISIRAVLQLLADFTGINMVVSDKVQGDITLRLND   313
NTDB id 1284 ACE17W RS12370 WP 010946666.1    GHFVYQVN.KQFMVDVFPLTAEE.IRQAKLKKQVFTGKRISLNFQNISIRAVLQLLADFTGINMVVSDKVQGDITLRLND   313
NTDB id 1013659 WH068 RS26690 WP 010955626.1 TWMKYLLA.TLLS.............IPLASATPYQGEPLSLNFQDVEVRAVLQVLADYAGVNLVASDAVQGSVTLRLQD    68
NTDB id 1193 PAKAF RS26665 WP 003161249.1     DYLVYQTD.NRLTVSIKPMTTED.AERRKKDNFAYTGEKLSLNFQDIDVRSVLQLIADFTDLNLVASDTVQGNITLRLQN   324
consensus                                       *        ***  *                  **!***!* !!****! *!!**!*****!*! *!*!*! *!!*! *

logo
NTDB id 1115 OK783 RS00485 WP 003698035.1     VPWDQALDLVMQARNLDMRQQGNIVNIAPRDELLAKDKAFLQAEKDIADLGALYSQNFQLKYKNVEEFRSILRLDNADTT   422
NTDB id 1100 NMB RS09455 WP 002225652.1       VPWDQALDLVMQARNLDMRQQGNIVNIAPRDELLAKDKALLQAEKDIADLGALYSQNFQLKYKNVEEFRSILRLDNADTT   468
NTDB id 1092 CAD91899.1 1..2286( )            VPWDQALDLVMQARNLDMRQQGNIVNIAPRDELLAKDKAFLQAEKDIADLGALYSQNFQLKYKNVEEFRSILALDNADTT   460
NTDB id 1009 ACIAD RS15175 WP 004923730.1     VPWDQALDIILKTKNLDKRRNGNVIWIAPVSELIKSEEDEAKAIAQSTKLAPLQTEYILLKYAKAADIEKLITQGRNSGT   385
NTDB id 1039 HON27 RS01460 WP 031993779.1     VPWDQALDIILKTKNLDKRRNGNVIWIAPVAELIKAEEEEAKAVAQSVKLAPLQTEYIQLKYAKAGDIMGLITQGSNNSN   384
NTDB id 1052 ABD1 RS15850 WP 001017033.1      VPWDQALDIILKTKNLDKRRNGNVIWIAPVAELIKAEEEEAKAVAQSVKLAPLQTEYIQLKYAKAGDIMGLITQGSNNSN   384
NTDB id 1186 GTF74 RS01320 WP 000788426.1     VPWQQVLDIILQVKGLDKRVDGNVILIAPKEELDLREKQALEKARLAEELGDLKSEIIKINFAKASDIAAMIGG....E.   274
NTDB id 1175 A1552VC RS12105 WP 000788426.1   VPWQQVLDIILQVKGLDKRVDGNVILIAPKEELDLREKQALEKARLAEELGDLKSEIIKINFAKASDIAAMIGG....E.   274
NTDB id 1408 DSB67 RS13980 WP 010643500.1     VPWQQVLDIILQVKGLDKRVDGNVILVAPKDELDLREKQQLEKQKLEKEIGELSSEIIKVNFAKASDIAEMING....E.   275
NTDB id 1257 GC085 RS04855 WP 163621000.1     IPWDQALDIILTTQGLDKRRKGNVMLIDTKASMDKMEEEQLKSQQTIEKLEPIRSDLIQINYAKAADIAVLIKD......   387
NTDB id 1284 ACE17W RS12370 WP 010946666.1    IPWDQALDIILTTQGLDKRRKGNVMLIDTKASMDKMEEEQLKSQQTIEKLEPIRSDLIQINYAKAADIAVLIKD......   387
NTDB id 1013659 WH068 RS26690 WP 010955626.1 VPWDQALDLVLRSKGLSRRQEGNVLLVAPAAEFAAQSADARVSQALDAHLQPLRRELLPIHHAKAADLAQLLLA......   142
NTDB id 1193 PAKAF RS26665 WP 003161249.1     VPWDQALDLVLKTKGLDKRKLGNVLLVAPADEIAAREREQELEAQKQIAELAPLRRELIQVNYAKAADIAKLFQSVTSDG.   403
consensus                                     *!!*!*!!***  * !**!  !!** **** **   *   *        ** * ** *** **** **  **
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logo
NTDB id 1115 OK783 RS00485 WP 003698035.1     ........................GNRNTLVSGRGSVLIDPATNTLIVTDTRSVIEKFRKLIDELDVPAQQVMIEARIVE   478
NTDB id 1100 NMB RS09455 WP 002225652.1       ........................GNRNTLISGRGSVLIDPATNTLIVTDTRSVIEKFRKLIDELDVPAQQVMIEARIVE   524
NTDB id 1092 CAD91899.1 1..2286( )            ........................GNRNTLVSGRGSVLIDPATNTLIVTDTRSVIEKFRKLIDELDVPAQQVMIEARIVE   516
NTDB id 1009 ACIAD RS15175 WP 004923730.1     SNSN.........TNGSATVEPLGDSVGTLLSPRGTISLDPRTNTLIINDTSQKIDQIRKMIDLLDIPVKQVMIEARIVR   456
NTDB id 1039 HON27 RS01460 WP 031993779.1     GLQHTSGGGTSTSTNLNTGVDSLGNNVGSLLSPRGTITQDDRTNTLIINDTAQSIDQIRKMIDLLDVQVKQVMVEARIVR   464
NTDB id 1052 ABD1 RS15850 WP 001017033.1      GLQHTSGGGTSTSTNLNTGVDSLGNNVGSLLSPRGTITQDDRTNTLIINDTAQSIDQIRKMIDLLDVQVKQVMVEARIVR   464
NTDB id 1186 GTF74 RS01320 WP 000788426.1     ........................GNVNMLSERGSISIDERTNSLLIRELPDNIAVIREIIESLDIPVKQVQIEARIVT   329
NTDB id 1175 A1552VC RS12105 WP 000788426.1   ........................GNVNMLSERGSISIDERTNSLLIRELPDNIAVIREIIESLDIPVKQVQIEARIVT   329
NTDB id 1408 DSB67 RS13980 WP 010643500.1     ........................GNISMLSDRGSMTIDERTNSLLIRELPENIEVIREIIESLDIPVKQVQIEARIVT   330
NTDB id 1257 GC085 RS04855 WP 163621000.1     ........................KQNSLLSDRGKISVDARTNTIWIQDTGTKIEEVRELIKQLDIPVKQVLIEARIVE   442
NTDB id 1284 ACE17W RS12370 WP 010946666.1    ........................KQNSLLSDRGKISVDARTNTIWIQDTGTKIEEVRELIKQLDIPVKQVLIEARIVE   442
NTDB id 1013659 WH068 RS26690 WP 010955626.1 ........................GLEGDGIPPASLSVDERTNTLVVHLPADRLAEMRQLVAQLDVPVRQVAIEARIVE   197
NTDB id 1193 PAKAF RS26665 WP 003161249.1    ........................GQEGKEGGRGSITVDDRTNSIIAYQPQERLDELRRIVSQLDIPVRQVMIEARIVE   458
consensus                                                              **** ******! *!!**** **    ** *! *** !!****!!**!!!!!

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NTDB id 1115 OK783 RS00485 WP 003698035.1     AADGFSRDLGVKFGATGRKKLKNETSAFG......WGV......NSGFGGGDKWEAQTKINL..P...............   529
NTDB id 1100 NMB RS09455 WP 002225652.1       AADGFSRDLGVKFGATGKKKLKNDTSAFG......WGV......NSGFGGDDKWGAETKINL..P...............   575
NTDB id 1092 CAD91899.1 1..2286( )            AADGFSRDLGVKFGATGKKKLKNDTSAFG......WGV......NSGFGGDDKWGAETKINL..P...............   567
NTDB id 1009 ACIAD RS15175 WP 004923730.1     ATTSFSKEMGVKWGILSQGINQNSNLLVGGSETTLWNLRNPD..SN.....GTYTIERPDNLNVDLGVT..........T   519
NTDB id 1039 HON27 RS01460 WP 031993779.1     ASTSFTKELGVKWGILSQGITNNNNLLVGGSETTLWNLREPK..KDETTGGYKYTIERPDNLNVDLGVS..........N   532
NTDB id 1052 ABD1 RS15850 WP 001017033.1      ASTSFTKELGVKWGILSQGITNNNNLLVGGSETTLWNLREPK..KDETTGGYKYTIERPDNLNVDLGVS..........N   532
NTDB id 1186 GTF74 RS01320 WP 000788426.1     VKEGNLEELGVRWGVMSTNGSHS...VGGSIESNLWQKGLLAD........DEFPVDEFLNV..NLAST..........S   386
NTDB id 1175 A1552VC RS12105 WP 000788426.1   VKEGNLEELGVRWGVMSTNGSHS...VGGSIESNLWQKGLLAD........DEFPVDEFLNV..NLAST..........S   386
NTDB id 1408 DSB67 RS13980 WP 010643500.1     INEGNMDELGVRWGFTSINGSHT...VGGSIENNLATIGLYDGGGEGDDGGSSVGIDDFLNV..NLAAT..........S   395
NTDB id 1257 GC085 RS04855 WP 163621000.1     VTKDFSQDIGIRWGVSRPTH.LS...GTLEGAN........ELARGTAPANVVPLERRLNL.........DLAAVPLTG   500
NTDB id 1284 ACE17W RS12370 WP 010946666.1    VTKDFSQDIGIRWGVSRPTH.LS...GTLEGAN........ELARGTAPANVVPLERRLNL.........DLAAAPLTG   500
NTDB id 1013659 WH068 RS26690 WP 010955626.1 ANVDYEKSLGVRWGGPLYGEKL.....................................................RPGKELFVDLG   230
NTDB id 1193 PAKAF RS26665 WP 003161249.1    ANVGYDKSLGVRWGGAYHKGNWS...GYGKDGN........IGIKDEDGMNCGPIAGSCTF..PTTGTSKSPSPFVDLG   524
consensus                                    *   *****!***!              *       *                 * **  ***

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NTDB id 1115 OK783 RS00485 WP 003698035.1     VAAAANSISLVRAISSGALNLELSASESLSKTKTLANPRVLTQNRKEAKIESGYEIPFTVTTASGGGNSTNTELKKAVLG   609
NTDB id 1100 NMB RS09455 WP 002225652.1       ITAAANSISLVRAISSGALNLELSASESLSKTKTLANPRVLTQNRKEAKIESGYEIPFTVTSIANGGSSTNTELKKAVLG   655
NTDB id 1092 CAD91899.1 1..2286( )            ITAAANSISLVRAISSGALNLELSASESLSKPKTLANPRVLTQNRKEAKIESGYEIPFTVTSIANGGSSTNTELKKAVLG   647
NTDB id 1009 ACIAD RS15175 WP 004923730.1     TGASSIAFGLISL.SDFMLDLELSALQADGYGEVISTPKVMSADKQKAKVATGVEVPYQSTTNSAAGSTATTSFKEALLS   598
NTDB id 1039 HON27 RS01460 WP 031993779.1     P.AGSIAFGLISM.SDFMLDLELSALQADGYGEVISTPKVMTADKQTAKVATGQQVPYQSTTNSAAGSTATTSFKDALLS   610
NTDB id 1052 ABD1 RS15850 WP 001017033.1      P.AGSIAFGLISM.SDFMLDLELSALQADGYGEVISTPKVMTADKQTAKVATGQQVPYQSTTNSAAGSTATTSFKDALLS   610
NTDB id 1186 GTF74 RS01320 WP 000788426.1     ANASSIAFQVAKLGSGTLLDLELSALQNESKAEIISSPRLITTNKQPAYIEQGTEIPYLESSSSGAS...TVAFKKAVLS   463
NTDB id 1175 A1552VC RS12105 WP 000788426.1   ANASSIAFQVAKLGSGTLLDLELSALQNESKAEIISSPRLITTNKQPAYIEQGTEIPYLESSSSGAS...TVAFKKAVLS   463
NTDB id 1408 DSB67 RS13980 WP 010643500.1     PNATSIAFQVAKLGSDTLLDLELSALQQESKAEIISSPRLITTNKKPAYIEQGTEIPYLESSSSGAT...SVTFKKAVLS   472
NTDB id 1257 GC085 RS04855 WP 163621000.1     ATPASVGIALAKLNDNILLDLELSALESEGRAELISSPRLITTNQQAAVIESGEEIPYQEAISSGAT...AVAFKKAVLS   577
NTDB id 1284 ACE17W RS12370 WP 010946666.1    ATPASVGIALAKLNDNILLDLELSALESEGRAELISSPRLITTNQQAAVIESGEEIPYQEATSSGAT...AVAFKKAVLS   577
NTDB id 1013659 WH068 RS26690 WP 010955626.1 LERAGSSIGLGLLRGDVLLDLELSAMEKSGNGEIISQPKVVTADKETARILKGTEVPYQETSQSGAT...SVSFREASLS   307
NTDB id 1193 PAKAF RS26665 WP 003161249.1    AKDATSGIGIGFITDNILLDLQLSAMEKTGNGEIVSQPKVVTSDKETAKILKGSEVPYQEASSSGAT...STSFKEAALS   601
consensus                                      *****  * ** *  *!*!*!!!*  * *******!**** **  !****! **!*  ** ***    *  ***!*!*
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NTDB id 1115 OK783 RS00485 WP 003698035.1     LTVTPNITPDGQIIMTVKINKDSPAQCAS.GNNTILCISTKSLNTQAMVENGGTLIVGGIYEENNGNTLTKVPLLGDIPV   688
NTDB id 1100 NMB RS09455 WP 002225652.1       LTVTPNITPDGQIIMTVKINKDSPAQCAS.GNQTILCISTKNLNTQAMVENGGTLIVGGIYEEDNGNTLTKVPLLGDIPV   734
NTDB id 1092 CAD91899.1 1..2286( )            LTVTPNITPDGQIIMTVKINKDSPAQCAS.GNQTILCISTKNLNTQAMVENGGTLIVGGIYEEDNGNTLTKVPLLGDIPV   726
NTDB id 1009 ACIAD RS15175 WP 004923730.1     LEVTPNITPDGKILMELNIANDSINSYAQ...NGEAILNKNTINTNVLVNNGETVVLGGVFEQTTNNAVTKVPFLGDLPY   675
NTDB id 1039 HON27 RS01460 WP 031993779.1     LNVTPSITPDGKIQMKLDISKDSVAGAAP...NGELILNKNNINTNVLVDNGETVILGGVFEQTTMNSQTKVPFFGDIPV   687
NTDB id 1052 ABD1 RS15850 WP 001017033.1      LNVTPSITPDGKIQMKLDISKDSVAGAAP...NGELILNKNNINTNVLVDNGETVILGGVFEQTTMNSQTKVPFFGDIPV   687
NTDB id 1186 GTF74 RS01320 WP 000788426.1     LKVTPQITPDNRLVLDLSVTQDRRGETVKTGTGEAVSIDTQRIGTQVLVNNGETVVLGGIFQHSINNSVDKVPLLGDLPV   543
NTDB id 1175 A1552VC RS12105 WP 000788426.1   LKVTPQITPDNRLVLDLSVTQDRRGETVKTGTGEAVSIDTQRIGTQVLVNNGETVVLGGIFQHSINNSVDKVPLLGDLPV   543
NTDB id 1408 DSB67 RS13980 WP 010643500.1     LKVTPQITPDNRLVLDLSVTQDRPGQVVKTGTGEAVAIDTQRIGTQVLVNNGETVVLGGIFQHSITNSVDKVPLLGDLPL   552
NTDB id 1257 GC085 RS04855 WP 163621000.1     LKVTPQITPDGKILMDLQINQDTPSPQTF...LGVPAIITKEIQTNVLVNNGQTIVLGGIYKQDKNKVINRIPFFGELPV   654
NTDB id 1284 ACE17W RS12370 WP 010946666.1    LKVTPQITPDGKILMDLQINQDTPSPQTF...LGVPAIITKEIQTNVLVNNGQTIVLGGIYKQDKNKVINRIPFFGELPV   654
NTDB id 1013659 WH068 RS26690 WP 010955626.1 LEVTPQITPDNKVIMTVRVTKDEPDYVNA..LNNVPPIRKNEVNAKVRVADGETIVIGGVYSTSQNNVVDKVPFFGDLPY   385
NTDB id 1193 PAKAF RS26665 WP 003161249.1    LEVTPQITPDNRIIVEVKVTKDAPDYQNM..LNGVPPINKNEVNAKILVNDGETIVIGGVFSNEQSKSVEKVPFLGELPY   679
consensus                                    ! !!!*!!!!***** * *  !***       *  * * ** ******! *!*!***!!**     *** **! *!**!*
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<0
logo
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NTDB id 1115 OK783 RS00485 WP 003698035.1     IGNLFKTRGKKTDRRELLIFITPRIIDTAGNSLRY.........   723
NTDB id 1100 NMB RS09455 WP 002225652.1       IGNLFKTRGKKTDRRELLIFITPRIMGTAGNSLRY.........   769
NTDB id 1092 CAD91899.1 1..2286( )            IGNLFKTRGKKTDRRELLIFITPRIMGTAGNSLRY*........   761
NTDB id 1009 ACIAD RS15175 WP 004923730.1     VGRLFKKTAKSEAKNELLIFVTPRIVNDTIVGNH..........   709
NTDB id 1039 HON27 RS01460 WP 031993779.1     VGRLFRKDVKSDDKQELLIFVTPRIVNDTLARNH..........   721
NTDB id 1052 ABD1 RS15850 WP 001017033.1      VGRLFRKDVKSDDKQELLIFVTPRIVNDTLARNH..........   721
NTDB id 1186 GTF74 RS01320 WP 000788426.1     LGALFRRTYEQMGKSELLIFVTPKVVIQ................   571
NTDB id 1175 A1552VC RS12105 WP 000788426.1   LGALFRRTYEQMGKSELLIFVTPKVVIQ................   571
NTDB id 1408 DSB67 RS13980 WP 010643500.1     LGALFRRSYENVGKSELLIFVTPKVVIQ................   580
NTDB id 1257 GC085 RS04855 WP 163621000.1     VGILFSNRQITLKNEELLIFITPRIITNALSITTIEGREKDVYK   698
NTDB id 1284 ACE17W RS12370 WP 010946666.1    VGILFSNRQITLKNEELLIFITPRIITNALSITTIEGREKDVYK   698
NTDB id 1013659 WH068 RS26690 WP 010955626.1 VGRLFRRDALQEKKSELLVFLTPRIMSDQAIAVSR.........   420
NTDB id 1193 PAKAF RS26665 WP 003161249.1    LGRLFRRDTVTDRKNELLVFLTPRIMNNQAIAIGR.........   714
consensus                                    *! !!**       * !!!*!*!!***
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X non conserved

X similar

X ≥ 50% conserved