logo

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NTDB id 1009 ACIAD RS15175 WP 004923730.1    MKQIIRQFSIGTVAYAIMQ........VASAQVAITNVVPMNIPGQGTEIRVMFNGLPP.QPQAYQLEQPARLILDFDKA    71
NTDB id 1052 ABD1 RS15850 WP 001017033.1     MNHVFRQFSMGAVAIAIMQ........AASAQVSMTNIVPMQIAGQGTEIRVMFNGLPP.QPQAYQLENPSRLILDFDKA    71
NTDB id 1039 HON27 RS01460 WP 031993779.1    MNHVFRQFSMGAVAIAIMQ........AASAQVSMTNIVPMQIAGQGTEIRVMFNGLPP.QPQAYQLENPSRLILDFDKA    71
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 1284 ACE17W RS12370 WP 010946666.1   .....MR.....KIIAILILISASLSMAYSKDNSLISVKVLPLPENRVRIDFQFSKPLKQLPASFITQKPPRLVLDFIST    70
NTDB id 1257 GCO85 RS04855 WP 163621000.1    .....MR.....KIIAILILISASLSLAYSKDNSLISVKVLPLPENRVRIDFQFSKPLKQLPASFITQKPPRLVLDFIST    70
NTDB id 181275 A7J50 RS01985 WP 064450308.1  ..........................................................................................     0
NTDB id 1193 PAKAF RS26665 WP 003161249.1    MNSGLSR.....LGIALLAAMF....APALLAADLEKLDVAALPGDRVELKLQFDEPVAA.PRGYTIEQPARIALDLPGV    70
consensus                                                 ****          *    *  *  *  *  *   *   *        *  *    * *******
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NTDB id 1009 ACIAD RS15175 WP 004923730.1    GQKLAK..SLIPVTTNEASSIDVSSDDKRARVVVNLKDAGAFTTRVEGNVFILKINNIQSTAT.....................    132
NTDB id 1052 ABD1 RS15850 WP 001017033.1     QQGLKQ..SKISVATNEASSVDVTSDDQRSRLTVNLKDAGAFTTRVEGNTFILKINSAQTSNK.....................    132
NTDB id 1039 HON27 RS01460 WP 031993779.1    QQGLKQ..SKISVATNEASSVDVTSDDQRSRLTVNLKDTGAFTTRVEGNTFILKINSAQTSNK.....................    132
NTDB id 1186 GTF74 RS01320 WP 000788426.1    ..................................MKNGLKT..YVAQTWLTLWVGLALC.....................AS.    25
NTDB id 1175 A1552VC RS12105 WP 000788426.1  ..................................MKNGLKT..YVAQTWLTLWVGLALC.....................AS.    25
NTDB id 1408 DSB67 RS13980 WP 010643500.1    ..................................MKMRHGLTLTPRKLTGLFSLWFSLLLA.....................P..    28
NTDB id 1284 ACE17W RS12370 WP 010946666.1   DMQIPSDQKTKTIQLGSLHSYNIVAVGDRVRAILELDRSVSYSGSTAGSIYSLVLNGKSNDL.F.............ENSK    137
NTDB id 1257 GCO85 RS04855 WP 163621000.1    DMQIPSDQKTKTIQLGSLHSYNIVAVGDRVRAILELDRSVSYSGSTAGSVYSLVLNGKSNDL.F.............ENSK    137
NTDB id 181275 A7J50 RS01985 WP 064450308.1  ..........................................................................................     0
NTDB id 1193 PAKAF RS26665 WP 003161249.1    QNKL..GTKNRELSVGNTRSVTVVEAKDRTRLIINLTTLSSYTTRVEGNNLFVVVGNSPAGASVASTAPVKASPAPASYA    148
consensus                                       *        *    *   *      * *  * ** ** ** ** *  **** **
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NTDB id 1009 ACIAD RS15175 WP 004923730.1    .P.VATSAPAPQQGIGNIGFQRGAQGEGLVVIDLQGTNTPVDVQQQGSKVVVRFPGIKIPTHLARRLNTTDFATPVASID    210
NTDB id 1052 ABD1 RS15850 WP 001017033.1     .P.LPVVS.AQPQGVSNIGFQRGSQGEGLVVVDLLGSNTPVDVQQQGSKVVIRTIGTKIPTHLARRLNVNDFATPVSSID    209
NTDB id 1039 HON27 RS01460 WP 031993779.1    .P.LPVVS.AQPQGVSNIGFQRGSQGEGLVVVDLLGSNTPVDVQQQGSKVVIRTIGTKIPTHLARRLNVNDFATPVSSID    209
NTDB id 1186 GTF74 RS01320 WP 000788426.1    .SMVFSAESATANQLENIDFRVNKEKAAVLIVELASPSAVVDVQKVQEGLSIELLKTDVADDKLYLLDVKDFSTPVESVE    104
NTDB id 1175 A1552VC RS12105 WP 000788426.1  .SMVFSAESATANQLENIDFRVNKEKAAVLIVELASPSAVVDVQKVQEGLSIELLKTDVADDKLYLLDVKDFSTPVESVE    104
NTDB id 1408 DSB67 RS13980 WP 010643500.1    ...FVAAEEVQSNSLKSIDFRTNKDKDAVIVVELVSPAAIVDIKRVQEGLSIDLLNTSVKDDQLYLLDVKDFSTVVESVE    105
NTDB id 1284 ACE17W RS12370 WP 010946666.1   EVFITNQVVNAKHEIKRIDFRGIEKQGGRVLIDVSDTGIPIDVTQVGKEIVVNFLNTKIPLNLMKRYDVSDFHSPVQIIT    217
NTDB id 1257 GCO85 RS04855 WP 163621000.1    EVFITNQVVNAKHEIKRIDFRGIEKQGGRVLIDVSDTGIPIDVTQVGKEIVVNFLNTKIPLNLMKRYDVSDFHSPVQIIT    217
NTDB id 181275 A7J50 RS01985 WP 064450308.1  ..........................................................................................     0
NTDB id 1193 PAKAF RS26665 WP 003161249.1    QPIKPKPYVPAGRAIRNIDFQRGEKGEGNVVIDLSDPTLSPDIQEQGGKIRLDFAKTQLPDALRVRLDVKDFATPVQFVN    228
consensus                                       *      *  * * * *****     ********  *  **********  ***  * ****  ******* ** *** ***
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NTDB id 1009 ACIAD RS15175 WP 004923730.1    SYNDGSNGVISIQSTGSYEYMAYQAENKLTISLKRPQDNVR.LNSKNNQNYTGKKISLDFQDIEVRRVLQLLADFTNINM  289
NTDB id 1052 ABD1 RS15850 WP 001017033.1     AYNDKGVGVITIQSSGSYEYMAYQAENKLTISLKRPQDKNV.TSLYKTPNYSGNKLSLDFQDIEVRRVLQLLADFTGINM  288
NTDB id 1039 HON27 RS01460 WP 031993779.1    AYNDKGVGVITIQSSGSYEYMAYQAENKLTISLKRPQDKNV.TSLYKTPNYSGNKLSLDFQDIEVRRVLQLLADFTGINM  288
NTDB id 1186 GTF74 RS01320 WP 000788426.1    VFRKEPSTQLVVTVDGEFQHDYTLKGKYLEVVISKLKADEKPKP.KSVLEKEGKLISINFQDIPVRNVLQLIADYNGFNL  183
NTDB id 1175 A1552VC RS12105 WP 000788426.1  VFRKEPSTQLVVTVDGEFQHDYTLKGKYLEVVISKLKADEKPKP.KSVLEKEGKLISINFQDIPVRNVLQLIADYNGFNL  183
NTDB id 1408 DSB67 RS13980 WP 010643500.1    VFRDTSTTRLVAYIDEDYSHDYRLTGRYLEVKVGKLKANEKAPD.KSILDKEGKLISINFQDIPVRNVLQLIADYNQFNL  184
NTDB id 1284 ACE17W RS12370 WP 010946666.1   MQQEGKKVRMTILSKGDYGHFVYQVNKQFMVDVFPLTAEEIRQAKLKKQVFTGKRISLNFQNISIRAVLQLLADFTGINM  297
NTDB id 1257 GCO85 RS04855 WP 163621000.1    MQQEGKKVRMTILSKGDYGHFVYQVNKQFMVDVFPLTAEEIRQAKLKKQVFTGKRISLNFQNISIRAVLQLLADFTGINM  297
NTDB id 181275 A7J50 RS01985 WP 064450308.1   ....................MAFAVPNRLDLIQLPP.....PGSSAVNTSYSGDKLNLNFQNIDLRAVLQQIADVAGLNL   55
NTDB id 1193 PAKAF RS26665 WP 003161249.1    ASAQSDRTSITIEPSGLYDYLVYQTDNRLTVSIKPMTTEDAERRKKDNFAYTGEKLSLNFQDIDVRSVLQLIADFTDLNL  308
consensus                                    ****      *** * *** ** **  *** * * ** ***      *     **!*******!!*!**! !!!**!!****!*
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NTDB id 1009 ACIAD RS15175 WP 004923730.1    VTADSVQGNITLHLKDVPWDQALDIILKTKNLDKRRNGNVIWIAPVSELIKSEEDEAKAIAQSTKLAPLQTEYILLLKYAK  369
NTDB id 1052 ABD1 RS15850 WP 001017033.1     VAADSVQGNITLRLKDVPWDQALDIILKTKNLDKRRNGNVIWIAPVAELIKAEEEEAKAVAQSVKLAPLQTEYIQLLKYAK  368
NTDB id 1039 HON27 RS01460 WP 031993779.1    VAADSVQGNITLRLKDVPWDQALDIILKTKNLDKRRNGNVIWIAPVAELIKAEEEEAKAVAQSVKLAPLQTEYIQLLKYAK  368
NTDB id 1186 GTF74 RS01320 WP 000788426.1    VVSDSVVGNLTLRLDGVPWQQVLDIILQVKGLDKRVDGNVILIAPKEELDLREKQALEKARLAEELGDLKSEIIKINFAK  263
NTDB id 1175 A1552VC RS12105 WP 000788426.1  VVSDSVVGNLTLRLDGVPWQQVLDIILQVKGLDKRVDGNVILIAPKEELDLREKQALEKARLAEELGDLKSEIIKINFAK  263
NTDB id 1408 DSB67 RS13980 WP 010643500.1    VVSDSVEGNLTLRLDGVPWQQVLDIILQVKGLDKRVDGNVILVAPKDELDLREKQQLEKQKLEKEIGELSSEIIKVNFAK  264
NTDB id 1284 ACE17W RS12370 WP 010946666.1   VVSDKVQGDITLRLNDIPWDQALDIILTTQGLDKRRKGNVMLIDTKASMDKMEEEQLKSQQTIEKLEPIRSDLIQINYAK  377
NTDB id 1257 GCO85 RS04855 WP 163621000.1    VVSDKVQGDITLRLNDIPWDQALDIILTTQGLDKRRKGNVMLIDTKASMDKMEEEQLKSQQTIEKLEPIRSDLIQINYAK  377
NTDB id 181275 A7J50 RS01985 WP 064450308.1   VASDDVQGSITLRLKEVPWDQALDLVLQAKGLDKRVKAGVLLVAPAEELAARELLTLESRKQMAELAPLRRELLQVNYAK  135
NTDB id 1193 PAKAF RS26665 WP 003161249.1    VASDTVQGNITLRLQNVPWDQALDLVLKTKGLDKRKLGNVLLVAPADEIAARERQELEAQKQIAELAPLRRELIQVNYAK  388
consensus                                    !**!*!*!**!!*!  **!!*!*!!**!  ***!!!!* **!**************!** *   **   **************!!
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NTDB id 1009 ACIAD RS15175 WP 004923730.1    AADIEKLITQGRNSGTSNSN.........TNGSATVEPLGDSVGTLLSPRGTISLDPRTNTLIINDTSQKIDQIRKMIDL  440
NTDB id 1052 ABD1 RS15850 WP 001017033.1     AGDIMGLITQGSNNSNGLQHTSGGGTSTSTNLNTGVDSLGNNVGSLLSPRGTITQDDRTNTLIINDTAQSIDQIRKMIDL  448
NTDB id 1039 HON27 RS01460 WP 031993779.1    AGDIMGLITQGSNNSNGLQHTSGGGTSTSTNLNTGVDSLGNNVGSLLSPRGTITQDDRTNTLIINDTAQSIDQIRKMIDL  448
NTDB id 1186 GTF74 RS01320 WP 000788426.1    ASDIAAMIGG.....................................E.GNVNMLSERGSISIDERTNSLLIRELPDNIAVIREIIES  313
NTDB id 1175 A1552VC RS12105 WP 000788426.1  ASDIAAMIGG.....................................E.GNVNMLSERGSISIDERTNSLLIRELPDNIAVIREIIES  313
NTDB id 1408 DSB67 RS13980 WP 010643500.1    ASDIAEMING.....................................E.GNISMLSDRGSMTIDERTNSLLIRELPENIEVIREIIES  314
NTDB id 1284 ACE17W RS12370 WP 010946666.1   AADIAVLIKD.....................................KQNSLLSDRGKISVDARTNTIWIQDTGTKIEEVRELIKQ  426
NTDB id 1257 GCO85 RS04855 WP 163621000.1    AADIAVLIKD.....................................KQNSLLSDRGKISVDARTNTIWIQDTGTKIEEVRELIKQ  426
NTDB id 181275 A7J50 RS01985 WP 064450308.1   AADLAKLFQSVTSL.................................E....GIPDERGSVAVDERTNNIIAYQTGERLEELRRIVAQ  186
NTDB id 1193 PAKAF RS26665 WP 003161249.1    AADIAKLFQSVTSD.................................G.GQEGKEGGRGSITVDDRTNSIIAYQPQERLDELRRIVSQ  442
consensus                                    !*!**  **                          * *****!!****!*!!!**************  *!****
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NTDB id 1009 ACIAD RS15175 WP 004923730.1    LDIPVKQVMIEARIVRATTSFSKEMGVKWGILSQGINQNSNLLVGG.SETTLWNLRN..PDSN.....GTYTIERPDNLN  512
NTDB id 1052 ABD1 RS15850 WP 001017033.1     LDVQVKQVMVEARIVRASTSFTKELGVKWGILSQGITNNNNLLVGG.SETTLWNLRE..PKKDETTGGYKYTIERPDNLN  525
NTDB id 1039 HON27 RS01460 WP 031993779.1    LDVQVKQVMVEARIVRASTSFTKELGVKWGILSQGITNNNNLLVGG.SETTLWNLRE..PKKDETTGGYKYTIERPDNLN  525
NTDB id 1186 GTF74 RS01320 WP 000788426.1    LDIPVKQVQIEARIVTVKEGNLEELGVRWGVMSTNGS....HSVGGSIESNLWQKGLLAD........DEFPVDEFLNVN  381
NTDB id 1175 A1552VC RS12105 WP 000788426.1  LDIPVKQVQIEARIVTVKEGNLEELGVRWGVMSTNGS....HSVGGSIESNLWQKGLLAD........DEFPVDEFLNVN  381
NTDB id 1408 DSB67 RS13980 WP 010643500.1    LDIPVKQVQIEARIVTINEGNMDELGVRWGFTSINGS....HTVGGSIENNLATIGLYDGGGEGDDGGSSVGIDDFLNVN  390
NTDB id 1284 ACE17W RS12370 WP 010946666.1   LDIPVKQVLIEARIVEVTKDFSQDIGIRWGVSRPTHL....SGTL..EGANELA........RGTAPANVVPLERRL...  489
NTDB id 1257 GCO85 RS04855 WP 163621000.1    LDIPVKQVLIEARIVEVTKDFSQDIGIRWGVSRPTHL....SGTL..EGANELA........RGTAPANVVPLERRL...  489
NTDB id 181275 A7J50 RS01985 WP 064450308.1  LDVPVRQVMIEARIVEANVDYDKSLGVRWGGRLNRGK....WGAGGINKPSA.............EG.............A  237
NTDB id 1193 PAKAF RS26665 WP 003161249.1    LDIPVRQVMIEARIVEANVGYDKSLGVRWGGAYHKGN....WSGYGKDGNIGI.........KDEDGMNCGPIAGSCTFP  509
consensus                                    !!**!*!!**!!!!!  **   *****!**!!***  **       ***   ******            **  ***** ****
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NTDB id 1009 ACIAD RS15175 WP 004923730.1    ........VDLGVTTTGASSIAFGLISL.SDFMLDLELSALQADGYGEVISTPKVMSADKQKAKVATGVEVPYQSTTNSA  583
NTDB id 1052 ABD1 RS15850 WP 001017033.1     ........VDLGVSNP.AGSIAFGLISM.SDFMLDLELSALQADGYGEVISTPKVMTADKQTAKVATGQQVPYQSTTNSA  595
NTDB id 1039 HON27 RS01460 WP 031993779.1    ........VDLGVSNP.AGSIAFGLISM.SDFMLDLELSALQADGYGEVISTPKVMTADKQTAKVATGQQVPYQSTTNSA  595
NTDB id 1186 GTF74 RS01320 WP 000788426.1    ..........LASTSANASSIAFQVAKLGSGTLLDLELSALQNESKAEIISSPRLITTNKQPAYIEQGTEIPYLESSSSG  451
NTDB id 1175 A1552VC RS12105 WP 000788426.1  ..........LASTSANASSIAFQVAKLGSGTLLDLELSALQNESKAEIISSPRLITTNKQPAYIEQGTEIPYLESSSSG  451
NTDB id 1408 DSB67 RS13980 WP 010643500.1    ..........LAATSPNATSIAFQVAKLGSDTLLDLELSALQQESKAEIISSPRLITTNKKPAYIEQGTEIPYLESSSSG  460
NTDB id 1284 ACE17W RS12370 WP 010946666.1   ....NLDLAAAPLTGATPASVGIALAKLNDNILLDLELSALESEGRAELISSPRLITTNQQAAVIESGEEIPYQEATSSG  565
NTDB id 1257 GCO85 RS04855 WP 163621000.1    ....NLDLAAVPLTGATPASVGIALAKLNDNILLDLELSALESEGRAELISSPRLITTNQQAAVIESGEEIPYQEATSSG  565
NTDB id 181275 A7J50 RS01985 WP 064450308.1  EPPENPPSSPFVDMGSLTGTSGLGIAYITDNLLLDLELTAMEKTGNGEIVSQPKVVTSDKETARILKGTEIPYQESTSRG  317
NTDB id 1193 PAKAF RS26665 WP 003161249.1    TTGTSKSPSPFVDLGAKDATSGIGIGFITDNIILDLQLSAMEKTGNGEIVSQPKVVTSDKETAKILKGSEVPYQEASSSG  589
consensus                                            **** * ********** *  *!!!*!*!** ****!**!*!***** ** !****!***!!*******
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NTDB id 1009 ACIAD RS15175 WP 004923730.1    AGSTATTSFKEALLSLEVTPNITPDGKILMELNIANDSINS...YAQNGEAILNKNTINTNVLVNNGETVVLGGVFEQTT  660
NTDB id 1052 ABD1 RS15850 WP 001017033.1     AGSTATTSFKDALLSLNVTPSITPDGKIQMKLDISKDSVAG...AAPNGELILNKNNINTNVLVDNGETVILGGVFEQTT  672
NTDB id 1039 HON27 RS01460 WP 031993779.1    AGSTATTSFKDALLSLNVTPSITPDGKIQMKLDISKDSVAG...AAPNGELILNKNNINTNVLVDNGETVILGGVFEQTT  672
NTDB id 1186 GTF74 RS01320 WP 000788426.1    AS...TVAFKKAVLSLKVTPQITPDNRLVLDLSVTQDRRGETVKTGTGEAVSIDTQRIGTQVLVNNGETVVLGGIFQHSI  528
NTDB id 1175 A1552VC RS12105 WP 000788426.1  AS...TVAFKKAVLSLKVTPQITPDNRLVLDLSVTQDRRGETVKTGTGEAVSIDTQRIGTQVLVNNGETVVLGGIFQHSI  528
NTDB id 1408 DSB67 RS13980 WP 010643500.1    AT...SVTFKKAVLSLKVTPQITPDNRLVLDLSVTQDRPGQVVKTGTGEAVAIDTQRIGTQVLVNNGETVVLGGIFQHSI  537
NTDB id 1284 ACE17W RS12370 WP 010946666.1   AT...AVAFKKAVLSLKVTPQITPDGKILMDLQINQDTPSPQT.F..LGVPAIITKEIQTNVLVNNGQTIVLGGIYKQDK  639
NTDB id 1257 GCO85 RS04855 WP 163621000.1    AT...AVAFKKAVLSLKVTPQITPDGKILMDLQINQDTPSPQT.F..LGVPAIITKEIQTNVLVNNGQTIVLGGIYKQDK  639
NTDB id 181275 A7J50 RS01985 WP 064450308.1  AT...SVSFKEASLSLEVTPQITPDGWVVMEVKVTKDEPDYLNKL..NDVPPIKKNEVNAKVLVKDGETIVIGGVFSNTQ  392
NTDB id 1193 PAKAF RS26665 WP 003161249.1    AT...STSFKEAALSLEVTPQITPDNRIIVEVKVTKDAPDYQNML..NGVPPINKNEVNAKILVNDGETIVIGGVFSNEQ  664
consensus                                    !*   ***!!*!*!!!*!!!*!!!!******* ***!***      * ** * *  * *****!!**!*!***!!** **
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NTDB id 1009 ACIAD RS15175 WP 004923730.1    NNAVTKVPFLGDLPYVGRLFKKTAKSEAKNELLIFVTPRIVNDTIVGNH.........   709
NTDB id 1052 ABD1 RS15850 WP 001017033.1     MNSQTKVPFFGDIPVVGRLFRKDVKSDDKQELLIFVTPRIVNDTLARNH.........   721
NTDB id 1039 HON27 RS01460 WP 031993779.1    MNSQTKVPFFGDIPVVGRLFRKDVKSDDKQELLIFVTPRIVNDTLARNH.........   721
NTDB id 1186 GTF74 RS01320 WP 000788426.1    NNSVDKVPLLGDLPVLGALFRRTYEQMGKSELLIFVTPKVVIQ................   571
NTDB id 1175 A1552VC RS12105 WP 000788426.1  NNSVDKVPLLGDLPVLGALFRRTYEQMGKSELLIFVTPKVVIQ................   571
NTDB id 1408 DSB67 RS13980 WP 010643500.1    TNSVDKVPLLGDLPLLGALFRRSYENVGKSELLIFVTPKVVIQ................   580
NTDB id 1284 ACE17W RS12370 WP 010946666.1   NKVINRIPFFGELPVVGILFSNRQITLKNEELLIFITPRIITNALSITTIEGREKDVYK   698
NTDB id 1257 GCO85 RS04855 WP 163621000.1    NKVINRIPFFGELPVVGILFSNRQITLKNEELLIFITPRIITNALSITTIEGREKDVYK   698
NTDB id 181275 A7J50 RS01985 WP 064450308.1  SKVVDKVPFLGDVPYLGRLFRRDVLAERKSELLVFLTPRIMNNQAIAVSR.........   442
NTDB id 1193 PAKAF RS26665 WP 003161249.1    SKSVEKVPFLGELPYLGRLFRRDTVTDRKNELLVFLTPRIMNNQAIAIGR.........   714
consensus                                    *******!**!**!**!*!!**    *   *  !!!*!*!!***** *
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X non conserved

X similar

X ≥ 50% conserved