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 412579 GR140 RS25890 WP 082423665.1  ..........................................................................................     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    GQKLAKS..LIPVTTNEASSIDVSSDDKRARVVVNLKDAGAFTTRVEGNVFILKINNIQSTAT.................    132
NTDB id 1052 ABD1 RS15850 WP 001017033.1     QQGLKQS..KISVATNEASSVDVTSDDQRSRLTVNLKDAGAFTTRVEGNTFILKINSAQTSNK.................    132
NTDB id 1039 HON27 RS01460 WP 031993779.1    QQGLKQS..KISVATNEASSVDVTSDDQRSRLTVNLKDTGAFTTRVEGNTFILKINSAQTSNK.................    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 412579 GR140 RS25890 WP 082423665.1  ..........................................................................................     0
NTDB id 1193 PAKAF RS26665 WP 003161249.1    QNKL..GTKNRELSVGNTRSVTVVEAKDRTRLIINLTTLSSYTTRVEGNNLFVVVGNSPAGASVASTAPVKASPAPASYA    148
consensus                                       *       *    *   *     * *  * ** ** ** ** *  **** **
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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 412579 GR140 RS25890 WP 082423665.1  ..........................................................................................     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    VFRKEPSTQLVVTVDGEFQHDYTLKGKYLEVVISKLKADEKP.KPKSVLEKEGKLISINFQDIPVRNVLQLIADYNGFNL  183
NTDB id 1175 A1552VC RS12105 WP 000788426.1  VFRKEPSTQLVVTVDGEFQHDYTLKGKYLEVVISKLKADEKP.KPKSVLEKEGKLISINFQDIPVRNVLQLIADYNGFNL  183
NTDB id 1408 DSB67 RS13980 WP 010643500.1    VFRDTSTTRLVAYIDEDYSHDYRLTGRYLEVKVGKLKANEKA.PDKSILDKEGKLISINFQDIPVRNVLQLIADYNQFNL  184
NTDB id 1284 ACE17W RS12370 WP 010946666.1   MQQEGKKVRMTILSKGDYGHFVYQVNKQFMVDVFPLTAEEIRQAKLKKQVFTGKRISLNFQNISIRAVLQLLADFTGINM  297
NTDB id 1257 GCO85 RS04855 WP 163621000.1    MQQEGKKVRMTILSKGDYGHFVYQVNKQFMVDVFPLTAEEIRQAKLKKQVFTGKRISLNFQNISIRAVLQLLADFTGINM  297
NTDB id 412579 GR140 RS25890 WP 082423665.1  ................MKTWMKYLLATLLS............IPLASATPYQGEPLSLNFQDVEVRAVLQVLADYAGVNL   52
NTDB id 1193 PAKAF RS26665 WP 003161249.1    ASAQSDRTSITIEPSGLYDYLVYQTDNRLTVSIKPMTTEDAERRKKDNFAYTGEKLSLNFQDIDVRSVLQLTADFTDLNL  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 412579 GR140 RS25890 WP 082423665.1  VASDAVQGSVTLRLQDVPWDQALDLVLRSKGLSRRQEGNVLLVAPAAEFAAQSADARVSQVLGAQLQPLRRELLTIHHAK  132
NTDB id 1193 PAKAF RS26665 WP 003161249.1    VASDTVQGNITLRLQNVPWDQALDLVLKTKGLDKRKLGNVLLVAPADEIAARERQELEAQKQIAELAPLRRELIQVNYAK  388
consensus                                    !**!*!*!**!!*!  **!!*!*!!**!****!**!* !!!************ *** ** *    **************!!
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logo

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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    ASDIAAMIG.....................................GEGNVNMLSERGSISIDERTNSLLIRELPDNIAVIREIIES  313
NTDB id 1175 A1552VC RS12105 WP 000788426.1  ASDIAAMIG.....................................GEGNVNMLSERGSISIDERTNSLLIRELPDNIAVIREIIES  313
NTDB id 1408 DSB67 RS13980 WP 010643500.1    ASDIAEMIN.....................................GEGNISMLSDRGSMTIDERTNSLLIRELPENIEVIREIIES  314
NTDB id 1284 ACE17W RS12370 WP 010946666.1   AADIAVLIKDK.....................................QNSLLSDRGKISVDARTNTIWIQDTGTKIEEVRELIKQ  426
NTDB id 1257 GCO85 RS04855 WP 163621000.1    AADIAVLIKDK.....................................QNSLLSDRGKISVDARTNTIWIQDTGTKIEEVRELIKQ  426
NTDB id 412579 GR140 RS25890 WP 082423665.1  AADLAQLLLASLE.....................................GGG.....ISTGSLSVDERTNTLVVYLPADRLAEMRQLVAQ  181
NTDB id 1193 PAKAF RS26665 WP 003161249.1    AADIAKLFQSVTS.....................................DGGQEGKEGGRGSITVDDRTNSIIAYQPQERLDELRRIVSQ  442
consensus                                    !*!**  **                                  * ** ******!****!*!!!**************  *!****
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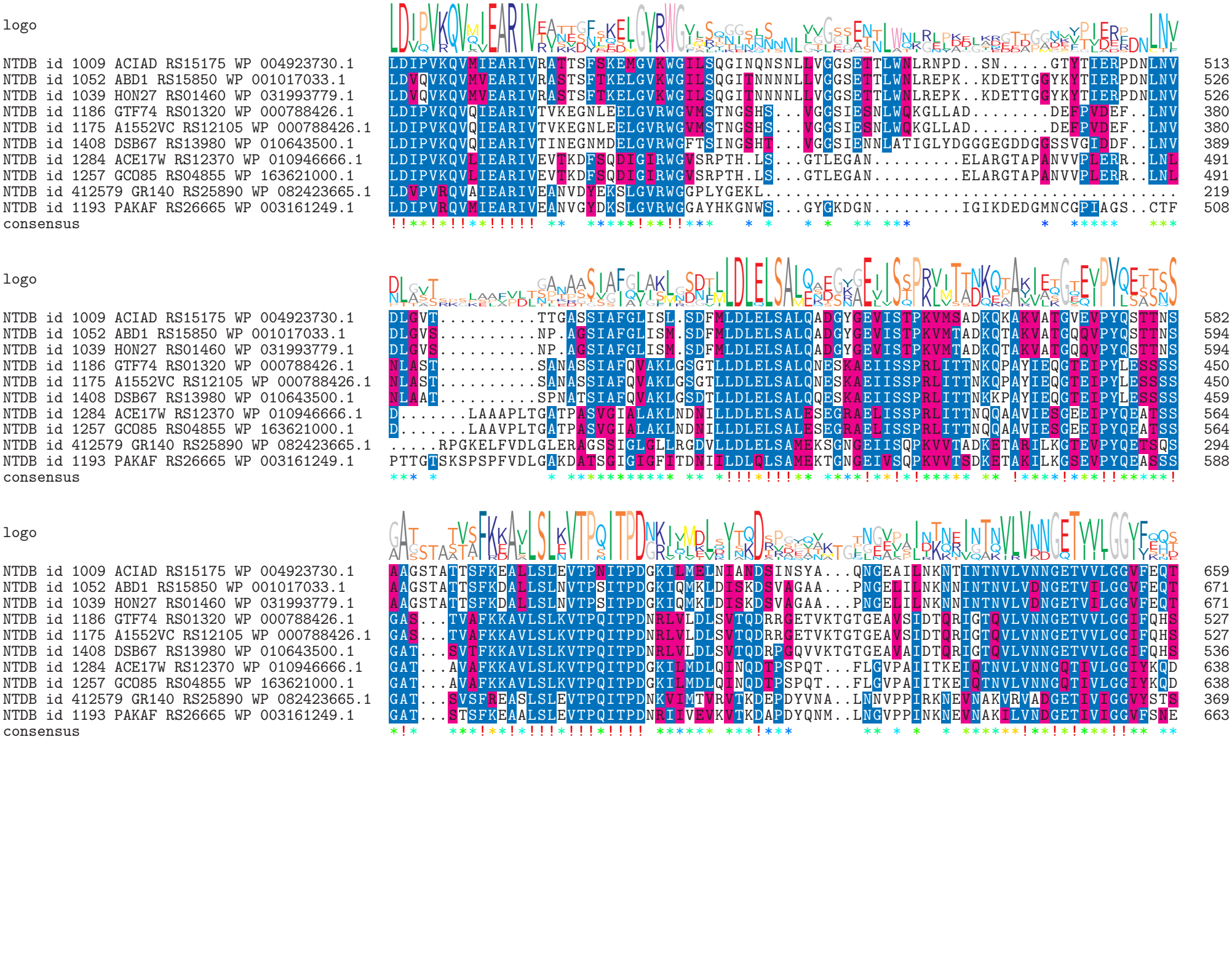
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NTDB id 1175 A1552VC RS12105 WP 000788426.1 LDIPVKQVQIEARIVTVKEGNLEELGVRWGVMSTNGSHS...VGGSIESNLWQKGLLAD.....DEFPVDEF..LNV 380
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NTDB id 1257 GCO85 RS04855 WP 163621000.1 LDIPVKQVLIEARIVEVTKDFSQDIGIRWGVSRPTH.LS...GTLEGAN.....ELARGTAPANVVPLERR..LNL 491
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consensus
logo
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NTDB id 1408 DSB67 RS13980 WP 010643500.1 NLAAT.....SPNATSIAFQVAKLGSDTLLDLELSALQQESKAEIISSPRLITTNKKPAYIEQGTEIPYLESSSS 459
NTDB id 1284 ACE17W RS12370 WP 010946666.1 D.....LAAAPLTGATPASVGIALAKLNDNILLDLELSALESEGRAELISSPRLITTNQQAAVIESGEEIPYQEATSS 564
NTDB id 1257 GCO85 RS04855 WP 163621000.1 D.....LAAVPLTGATPASVGIALAKLNDNILLDLELSALESEGRAELISSPRLITTNQQAAVIESGEEIPYQEATSS 564
NTDB id 412579 GR140 RS25890 WP 082423665.1 .....RPGKELFVDLGLERAGSSIGLGLLRGDVLLDLELSAMEKSGNGEIISQPKVVTADKETARILKGTEVPYQETSQS 294
NTDB id 1193 PAKAF RS26665 WP 003161249.1 PTTGTSKSPSPFVDLGAKDATSGIGIGFITDNIILDLQLSAMEKTGNGEIVSQPKVVTSDKETAKILKGSEVPYQEASSS 588
consensus
logo
NTDB id 1009 ACIAD RS15175 WP 004923730.1 AAGSTATTSFKEALLSLEVTPNITPDGKILMELNIANDSINSYA...QNGEAILNKNTINTNVLVNNGETVVLGGVFEQT 659
NTDB id 1052 ABD1 RS15850 WP 001017033.1 AAGSTATTSFKDALLSLNVTPSITPDGKIQMKLDISKDSVAGAA...PNGELILNKNNINTNVLVDNGETVILGGVFEQT 671
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NTDB id 1408 DSB67 RS13980 WP 010643500.1 GAT...SVTFKKAVLSLKVTPQITPDNRLVLDLSVTQDRPGQVVKTGTGEAVAIDTQRIGTQVLVNNGETVVLGGIFQHS 536
NTDB id 1284 ACE17W RS12370 WP 010946666.1 GAT...AVAFKKAVLSLKVTPQITPDGKILMDLQINQDTPSPQT...FLGVPAIITKEIQTNVLVNNGQTIVLGGIYKQD 638
NTDB id 1257 GCO85 RS04855 WP 163621000.1 GAT...AVAFKKAVLSLKVTPQITPDGKILMDLQINQDTPSPQT...FLGVPAIITKEIQTNVLVNNGQTIVLGGIYKQD 638
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NTDB id 1193 PAKAF RS26665 WP 003161249.1 GAT...STSFKEAALSLEVTPQITPDNRIIVEVKVTKDAPDYQNM..LNGVPPINKNEVNAKILVNDGETIVIGGVFSNE 663
consensus

logo

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NTDB id 1039 HON27 RS01460 WP 031993779.1    TMNSQTKVPFFGDIPVVGRLFRKDVKSDDKQELLIFVTPRIVNDTLARNH.........   721
NTDB id 1186 GTF74 RS01320 WP 000788426.1    INNSVDKVPLLGDLPVLGALFRRTYEQMGKSELLIFVTPKVVIQ................   571
NTDB id 1175 A1552VC RS12105 WP 000788426.1  INNSVDKVPLLGDLPVLGALFRRTYEQMGKSELLIFVTPKVVIQ................   571
NTDB id 1408 DSB67 RS13980 WP 010643500.1    ITNSVDKVPLLGDLPLLGALFRRSYENVGKSELLIFVTPKVVIQ................   580
NTDB id 1284 ACE17W RS12370 WP 010946666.1   KNKVINRIPFFGELPVVGILFSNRQITLKNEELLIFITPRIITNALSITTIEGREKDVYK   698
NTDB id 1257 GCO85 RS04855 WP 163621000.1    KNKVINRIPFFGELPVVGILFSNRQITLKNEELLIFITPRIITNALSITTIEGREKDVYK   698
NTDB id 412579 GR140 RS25890 WP 082423665.1  QNNVVDKVPFFGDLPYVGRLFRRDALQEKKSELLVFLTPRIMSDQAIAVSR.........   420
NTDB id 1193 PAKAF RS26665 WP 003161249.1    QSKSVEKVPFLGELPYLGRLFRRDTVTDRKNELLVFLTPRIMNNQAIAIGR.........   714
consensus                                     *******!* !**!**!*!!**   *  * !!!*!*!!*** * *
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X non conserved

X similar

X ≥ 50% conserved