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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1313 DR RS12030 WP 010888966.1       MSK....DATKEISAPTDAKERSKAIETAMSQIEKAFGKGSIMKLGAES.KLDVQVVSTGSLSLDLALGVGGIPRGRITE    75
NTDB id 364925 EYS05 RS10940 WP 118513041.1  ................MISEEKQKALEAALGNIEKQFGKGSVMKLGDSSSHMQVEAVPTGCLSLDIALGVGGVPKGRIVE    64
NTDB id 600 KW2 RS01765 WP 011675413.1       MA..TKKKTNFDDITKKYGAERDKALADALALIEKDFGKGSLMRLGEAAN.QKVSVVSSGSLALDIALGAGGYPKGRIVE    77
NTDB id 269 KZH43 RS08665 WP 001085462.1     .M..AKKPKKLEEISKKFGAEREKALNDALKLIEKDFGKGSIMRLGERAE.QKVQVMSSGSLALDIALGSGGYPKGRIIE    76
NTDB id 228 SPD RS09265 WP 001085462.1       .M..AKKPKKLEEISKKFGAEREKALNDALKLIEKDFGKGSIMRLGERAE.QKVQVMSSGSLALDIALGSGGYPKGRIIE    76
NTDB id 194 SPR RS08825 WP 001085462.1       .M..AKKPKKLEEISKKFGAEREKALNDALKLIEKDFGKGSIMRLGERAE.QKVQVMSSGSLALDIALGSGGYPKGRIIE    76
NTDB id 159 SP RS09750 WP 001085462.1        .M..AKKPKKLEEISKKFGAEREKALNDALKLIEKDFGKGSIMRLGERAE.QKVQVMSSGSLALDIALGSGGYPKGRIIE    76
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NTDB id 527 SMSK321 RS11065 WP 001085454.1   .M..AKKPKKLDEISKKFGAEREKALNDALKLIEKDFGKGSIMRLGERAE.QKVQVMSSGSLALDIALGSGGYPKGRIIE    76
NTDB id 408 SMU RS09530 WP 002262392.1       .M..AKRIKKTEEITKKFGDERKKALDDALKNIEKDFGKGAVMRLGERAE.QKVQVMSSGSLALDIALGAGGYPKGRIVE    76
NTDB id 453 Spy49 1753c ACI62003.1           .M..AKKLKKNEEITKKFGDERRKALDDALKNIEKDFGKGAVMRLGERAE.QKVQVMSSGSLALDIALGAGGYPKGRIIE    76
NTDB id 115 BSU 16940 NP 389576.2            ..................MSDRQAALDMALKQIEKQFGKGSIMKLGEKTD.TRISTVPSGSLALDTALGIGGYPRGRIIE    61
NTDB id 625 LCA RS02525 WP 011374196.1       ................MAKDERQAALDAALKKIEKNFGKGSIMRMGEKVD.TQVSTVSSGSLALDEALGVGGYPRGRIVE    63
NTDB id 1245 Cj1673c YP 002345041.1          ..................MDDNKRKSLDAALKSLDKTFGKGTILRLGDK.EVEQIDSIGTGSVGLDLALGIGGVPKGRIIE    62
NTDB id 1214 NCTC11637 00359 SQJ03206.1      ...............MAIDEDKQKAISLAIKQIDKVFGKGALVRLGDK.QVEKIDAISTGSLGLDLALGIGGVPKGRIIE    64
NTDB id 1211 C694 RS00795 WP 000963128.1     ...............MAIDEDKQKAISLAIKQIDKVFGKGALVRLGDK.QVEKIDSISTGSLGLDLALGIGGVPKGRIIE    64
NTDB id 1334 RAOC RS04870 WP 004918236.1     .........MAKTETTSPNDDKKKALAAVLEKLDKTYGKGTVMKLGDGTVDHNIEVIPSGSLGLDLALGVGGYPKGRIVE    71
NTDB id 1389 A4U84 RS07560 WP 021112712.1    MAENKKSSKNNTVVKQVEPEQKKQALEAALAQIEKQFGKGSIMKLGQT.EQLDIESVSTGSLGLDLALGIGGLPMGRIVE    79
NTDB id 1130 NGFG RS03960 WP 003688695.1     ..................MSDDKSKALAAALAQIEKSFGKGAIMKMDGSQQEENLEVISTGSLGLDLALGVGGLPRGRIVE    63
NTDB id 1124 NGFG RS03960 WP 003688695.1     ..................MSDDKSKALAAALAQIEKSFGKGAIMKMDGSQQEENLEVISTGSLGLDLALGVGGLPRGRIVE    63
NTDB id 1123 OK783 RS03845 WP 003688695.1    ..................MSDDKSKALAAALAQIEKSFGKGAIMKMDGSQQEENLEVISTGSLGLDLALGVGGLPRGRIVE    63
NTDB id 1427 RS RS02760 WP 011000510.1       MEDG........KKAASMSAEKQKALAAALAQIEKQFGKGSIMKMGDA.EVEPVQVVSTGSLGLDVALGVGGLPRGRVVE    71
NTDB id 1165 A1552VC RS01565 WP 000344154.1  ..................MDENKQKALAAALGQIEKQFGKGSIMRLGDN.RAMDVETISTGSLSLDIALGAGGLPMGRIVE    62
NTDB id 1142 GTF74 RS11550 WP 000344154.1    ..................MDENKQKALAAALGQIEKQFGKGSIMRLGDN.RAMDVETISTGSLSLDIALGAGGLPMGRIVE    62
NTDB id 1022 ACIAD RS06390 WP 004925639.1    ..................MDDNKSKALQAALSQIEKQFGKNTVMRLGDN.TVQAVEAVSTGSLTLDIALGIGGLPKGRIVE    62
NTDB id 1074 ABD1 RS10195 WP 000344167.1     ..................MDENKSKALQAALSQIEKQFGKNTVMRLGDN.TVQAVEAVSTGSLTLDIALGIGGLPKGRIIE    62
NTDB id 1205 PSJM300 05545 AFN77183.1        ..................MDENKKRALAAALGQIEKQFGKGAVMRMGDH.DRQAIPSISTGSLGLDIALGIGGLPKGRIVE    62
consensus                                                      *** ***  ** ***! *!!********       *  ***!***!!*!!! !! !*!!**!
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NTDB id 1313 DR RS12030 WP 010888966.1        IYGPESGGKTTLALAIVAQAQKAGGTCAFIDAEHALDPVYARALGVNTDELLVSQPDNGEQALEIMELLVRSGAIDVVVV  155
NTDB id 364925 EYS05 RS10940 WP 118513041.1   IYGPESSGKTTVALHMVAEVQKRGGIAGFIDAEHALDPVYAKSIGVDIDNLYISQPDNGEQALEITETMVRSGAVDIVIV  144
NTDB id 600 KW2 RS01765 WP 011675413.1        IYGPESSGKTTVALHAVAAVQKEGGIAAFIDAENALDPEYAKALGVNIDELLLSQPDYGEQGLQIAEKLITSGAVDLVVI  157
NTDB id 269 KZH43 RS08665 WP 001085462.1      IYGPESSGKTTVALHAVAQAQKEGGIAAFIDAEHALDPAYAAALGVNIDELLLSQPDSGEQGLEIAGKLIDSGAVDLVVV  156
NTDB id 228 SPD RS09265 WP 001085462.1        IYGPESSGKTTVALHAVAQAQKEGGIAAFIDAEHALDPAYAAALGVNIDELLLSQPDSGEQGLEIAGKLIDSGAVDLVVV  156
NTDB id 194 SPR RS08825 WP 001085462.1        IYGPESSGKTTVALHAVAQAQKEGGIAAFIDAEHALDPAYAAALGVNIDELLLSQPDSGEQGLEIAGKLIDSGAVDLVVV  156
NTDB id 159 SP RS09750 WP 001085462.1         IYGPESSGKTTVALHAVAQAQKEGGIAAFIDAEHALDPAYAAALGVNIDELLLSQPDSGEQGLEIAGKLIDSGAVDLVVV  156
NTDB id 499 SM12261 RS08315 WP 078228268.1    IYGPESSGKTTVALHAVAQAQKEGGIAAFIDAEHALDPAYAAALGVNIDELLLSQPDSGEQGLEIAGKLIDSGAVDLVVV  156
NTDB id 527 SMSK321 RS11065 WP 001085454.1    IYGPESSGKTTVALHAVAQAQKEGGIAAFIDAEHALDPAYAAALGVNIDELLLSQPDSGEQGLEIAGKLIDSGAVDLVVV  156
NTDB id 408 SMU RS09530 WP 002262392.1        IYGPESSGKTTVALHAVAQAQKDGGIAAFIDAEHALDPAYAAALGVNIDELLLSQPDSGEQGLEIAGKLIDSGAVDLVVV  156
NTDB id 453 Spy49 1753c ACI62003.1            IYGPESSGKTTVALHAVAQAQKEGGIAAFIDAEHALDPAYAAALGVNIDELLLAQPDSGEQGLEIAGKLIDSGAVDLVVV  156
NTDB id 115 BSU 16940 NP 389576.2             VYGPESSGKTTVALHAIAEVQQQGGQAAFIDAEHALDPVYAQKLGVNIEELLLSQPDTGEQALEIAEALVRSGAVDIVVV  141
NTDB id 625 LCA RS02525 WP 011374196.1        IYGPESSGKTTVALHAVAEVQKQGGTAAYIDAENAMDPKYATALGVNIDDLLLSQPDTGEQGLEIADALVSSGAVDILVV  143
NTDB id 1245 Cj1673c YP 002345041.1           IYGPESSGKTTLTLHIIAECQKAGGVCAFIDAEHALDVKYAKNLGVNTDDLYVSQPDFGEQALEIVETIARSGAVDLIVV  142
NTDB id 1214 NCTC11637 00359 SQJ03206.1       IYGPESSGKTTLSLHIIAECQKNGGVCAFIDAEHALDVHYAKRLGVDTENLLVSQPDTGEQALEILETITRSGGIDLVVV  144
NTDB id 1211 C694 RS00795 WP 000963128.1      IYGPESSGKTTLSLHIIAECQKNGGVCAFIDAEHALDVHYAKRLGVDTENLLVSQPDTGEQALEILETITRSGGIDLVVV  144
NTDB id 1334 RAOC RS04870 WP 004918236.1      IYGPESSGKTTLTLHAIAEAQKVGGTAAFIDAEHAFDMHYAEKLGINLEELIVSQPDNGEQALEIADSLIRSGGVDIVVV  151
NTDB id 1389 A4U84 RS07560 WP 021112712.1     IYGPESSGKTTLTLSLIAQAQKGNKTCAFIDAEHALDPVYARNLGVNTDELLISQPDNGEQALEICDALVRSGAVDVIIV  159
NTDB id 1130 NGFG RS03960 WP 003688695.1      IFGPESSGKTTLCLEAVAQCQKNGGVCAFVDAEHAFDPVYARKLGVKVEELYLSQPDTGEQALEICDTLVRSGGIDMVVV  143
NTDB id 1124 NGFG RS03960 WP 003688695.1      IFGPESSGKTTLCLEAVAQCQKNGGVCAFVDAEHAFDPVYARKLGVKVEELYLSQPDTGEQALEICDTLVRSGGIDMVVV  143
NTDB id 1123 OK783 RS03845 WP 003688695.1     IFGPESSGKTTLCLEAVAQCQKNGGVCAFVDAEHAFDPVYARKLGVKVEELYLSQPDTGEQALEICDTLVRSGGIDMVVV  143
NTDB id 1427 RS RS02760 WP 011000510.1        IYGPESSGKTTLTLQVVAEMQKLGGTCAFIDAEHALDVTYADKLGVKVPDLLISQPDTGEQALEIADALVRSGSVDLIVI  151
NTDB id 1165 A1552VC RS01565 WP 000344154.1   IFGPESSGKTTLTLELIAAAQREGKTCAFIDAEHALDPVYAKKLGVNIDELLVSQPDTGEQALEICDALARSGAVDVIVV  142
NTDB id 1142 GTF74 RS11550 WP 000344154.1     IFGPESSGKTTLTLELIAAAQREGKTCAFIDAEHALDPVYAKKLGVNIDELLVSQPDTGEQALEICDALARSGAVDVIVV  142
NTDB id 1022 ACIAD RS06390 WP 004925639.1     IYGPESSGKTTMTLQAIAQCQKAGGTCAFIDAEHALDPQYARKLGVDIDNLLVSQPDHGEQALEIADMLVRSGAIDLIVV  142
NTDB id 1074 ABD1 RS10195 WP 000344167.1      IYGPESSGKTTMTLQAIAQCQKSGGTCAFIDAEHALDPQYARKLGVDIDNLLVSQPDNGEQALEIADMLVRSGAIDLIVV  142
NTDB id 1205 PSJM300 05545 AFN77183.1         IYGPESSGKTTLTLSVIAAAQRMGSTCAFVDAEHALDPDYAGKLGVNVDDLLVSQPDTGEQALEITDMLVRSNAVDVIIV  142
consensus                                     **!!!!*!!!!* ! **!  !* **  ***!!!*!*!* !!  *!*****!***!!!*!!!*!*! * ***!***!****
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logo                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1313 DR RS12030 WP 010888966.1        DSVAALTPRAEIEGDMGDSLPGLQARLMSQALRKLTAILSKTGTAAIFINQVREKIGVM.YGNPETTTGGRALKFYASVR   234
NTDB id 364925 EYS05 RS10940 WP 118513041.1   DSVAALVPKAEIEGDMGDSHVGLQARLMSQALRKLTAVISKSNCVVIFINQLREKVGVM.FGNPETTTGGRALKFYASVR   223
NTDB id 600 KW2 RS01765 WP 011675413.1        DSVAALVPKAEIDGEIGDSSVGLQARMMSQAMRKLACHINKTKTTAIFINQLREKVGVM.FGSPETTPGGRALKFYASVR   236
NTDB id 269 KZH43 RS08665 WP 001085462.1      DSVAALVPRAEIDGDIGDSHVGLQARMMSQAMRKLGASINKTKTIAIFINQLREKVGVM.FGNPETTPGGRALKFYASVR   235
NTDB id 228 SPD RS09265 WP 001085462.1        DSVAALVPRAEIDGDIGDSHVGLQARMMSQAMRKLGASINKTKTIAIFINQLREKVGVM.FGNPETTPGGRALKFYASVR   235
NTDB id 194 SPR RS08825 WP 001085462.1        DSVAALVPRAEIDGDIGDSHVGLQARMMSQAMRKLGASINKTKTIAIFINQLREKVGVM.FGNPETTPGGRALKFYASVR   235
NTDB id 159 SP RS09750 WP 001085462.1         DSVAALVPRAEIDGDIGDSHVGLQARMMSQAMRKLGASINKTKTIAIFINQLREKVGVM.FGNPETTPGGRALKFYASVR   235
NTDB id 499 SM12261 RS08315 WP 078228268.1    DSVAALVPRAEIDGDIGDSHVGLQARMMSQAMRKLGASINKTKTIAIFINQLREKVGVM.FGNPETTPGGRALKFYASVR   235
NTDB id 527 SMSK321 RS11065 WP 001085454.1    DSVAALVPRAEIDGDIGDSHVGLQARMMSQAMRKLGASINKTKTIAIFINQLREKVGVM.FGNPETTPGGRALKFYASVR   235
NTDB id 408 SMU RS09530 WP 002262392.1        DSVAALVPRAEIDGDIGDSHVGLQARMMSQAMRKLSASINKTKTIAIFINQLREKVGIM.FGNPETTPGGRALKFYSSVR   235
NTDB id 453 Spy49 1753c ACI62003.1            DSVAALVPRAEIDGDIGDSHVGLQARMMSQAMRKLSASINKTKTIAIFINQLREKVGVM.FGNPETTPGGRALKFYASVR   235
NTDB id 115 BSU 16940 NP 389576.2             DSVAALVPKAEIEGDMGDSHVGLQARLMSQALRKLSGAINKSKTIAIFINQIREKVGVM.FGNPETTPGGRALKFYSSVR   220
NTDB id 625 LCA RS02525 WP 011374196.1        DSVAALVPRAEIEGEMGDAHVGLQARLMSQALRKLSGTINKTKTIALFINQIREKVGVM.FGNPEVTPGGRALKFYSTVR   222
NTDB id 1245 Cj1673c YP 002345041.1           DSVAALTPKAEIEGDMGDQHVGLQARLMSQALRKLTGIVHKMNTTVIFINQIRMKIGAMGYGTPETTTGGNALKFYASVR   222
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NTDB id 1211 C694 RS00795 WP 000963128.1      DSVAALTPKAEIDGDMGDQHVGLQARLMSHALRKITGVLHKMNTTLIFINQIRMKIGMMGYGSPETTTGGNALKFYASVR   224
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NTDB id 1130 NGFG RS03960 WP 003688695.1      DSVAALVPKAEIEGDMGDSHVGLQARLMSQALRKLTGHIKKTNTLVVFINQIRMKIGVM.FGSPETTTGGNALKFYSSVR   222
NTDB id 1124 NGFG RS03960 WP 003688695.1      DSVAALVPKAEIEGDMGDSHVGLQARLMSQALRKLTGHIKKTNTLVVFINQIRMKIGVM.FGSPETTTGGNALKFYSSVR   222
NTDB id 1123 OK783 RS03845 WP 003688695.1     DSVAALVPKAEIEGDMGDSHVGLQARLMSQALRKLTGHIKKTNTLVVFINQIRMKIGVM.FGSPETTTGGNALKFYSSVR   222
NTDB id 1427 RS RS02760 WP 011000510.1        DSVAALVPKAEIEGEMGDALPGLQARLMSQALRKLTGTIKRTNCLVIFINQIRMKIGVM.FGSPETTTGGNALKFYASVR   230
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NTDB id 1022 ACIAD RS06390 WP 004925639.1     DSVAALTPKAEIEGEMGDSHMGLQARLMSQALRKITGNAKRSNCMVIFINQIRMKIGVM.FGSPETTTGGNALKFYASVR   221
NTDB id 1074 ABD1 RS10195 WP 000344167.1      DSVAALTPKAEIEGEMGDSHMGLQARLMSQALRKITGNAKRSNCMVIFINQIRMKIGVM.FGSPETTTGGNALKFYASVR   221
NTDB id 1205 PSJM300 05545 AFN77183.1         DSVAALVPKAEIEGEMGDAHVGLQARLMSQALRKITGNIKNANCLVIFINQIRMKIGVM.FGSPETTTGGNALKFYASVR   221
consensus                                     !!!!!!*!*!!!*!**!!***!!*!!**!*!*!!*** * ** ** *!!!!*! !*!*! *! !!*! !! !!!!!**!!
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logo
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NTDB id 600 KW2 RS01765 WP 011675413.1        LDVRGSTKIEEGS.GDNKTQIGKITKIKVVKNKVAPPFKVALVDIMFGEGISSTGELLNIAVEEGIIKKSGAWFAYNDEK   315
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NTDB id 228 SPD RS09265 WP 001085462.1        LDVRGNTQIKGTG.DQKETNVGKETKIKVVKNKVAPPFKEAVVEIMYGEGISKTGELLKIASDLDIIKKAGAWYSYKDEK   314
NTDB id 194 SPR RS08825 WP 001085462.1        LDVRGNTQIKGTG.DQKETNVGKETKIKVVKNKVAPPFKEAVVEIMYGEGISKTGELLKIASDLDIIKKAGAWYSYKDEK   314
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NTDB id 527 SMSK321 RS11065 WP 001085454.1    LDVRGSTQIKGTG.DQKDTNVGKETKIKVVKNKVAPPFKEAFVEIMYGEGISKTGELLKIASDLDIIKKAGAWYSYKDEK   314
NTDB id 408 SMU RS09530 WP 002262392.1        LDVRGNTQIKGTG.EQKDSNIGKETKIKVVKNKVAPPFKEAFVEIIYGEGISRTGELVKIASDLGIIQKAGAWYSYNGEK   314
NTDB id 453 Spy49 1753c ACI62003.1            LDVRGTTQIKGTG.DQKDSSIGKETKIKVVKNKVAPPFKVAEVEIMYGEGISRTGELVKIASDLDIIQKAGAWFSYNGEK   314
NTDB id 115 BSU 16940 NP 389576.2             LEVRRAEQLKQGN.....DVMGNKTKIKVVKNKVAPPFRTAEVDIMYGEGISKEGEIIDLGTELDIVQKSGSWYSYEEER   295
NTDB id 625 LCA RS02525 WP 011374196.1        LEVRRAETIKNGT.....DMIGNRARIKVVKNKVAPPFKVAEVDIMYGQGISRTGELVDMAVEKDIINKSGSWYSYGSER   297
NTDB id 1245 Cj1673c YP 002345041.1           LDVRKVAT....L.KQNEEPIGNRVKVKVVKNKVAPPFRQAEFDVMFGEGLSREGELIDYGVKLDIVDKSGAWFSYKDKK   297
NTDB id 1214 NCTC11637 00359 SQJ03206.1       IDIRRIAA....L.KQNEQHIGNRAKAKVVKNKVAPPFREAEFDIMFGEGISKEGEIIDYGVKLDIVDKSGAWLSYQDKK   299
NTDB id 1211 C694 RS00795 WP 000963128.1      IDIRRIAS....L.KQNEQHIGNRAKAKVVKNKVAPPFREAEFDIMFGEGISKEGEIIDYGVKLDIVDKSGAWLSYQDKK   299
NTDB id 1334 RAOC RS04870 WP 004918236.1      IDIRRSLSDTGKIKDKSGEVIGNRTKVKVVKNKVAPPFKSAEFDIMYGEGVSKVGEILDVATDLDIIQKSGSWFSYQDTK   310
NTDB id 1389 A4U84 RS07560 WP 021112712.1     LDIRRCGV....V.KDGDEIIGSETKVKVVKNKVAPPFREVQFDIMYGEGISRMNELLILAEANGFIKKSGAWFSYDGTK   313
NTDB id 1130 NGFG RS03960 WP 003688695.1      LDIRRTGS....I.KKGEEVLGNETRVKVIKNKVAPPFRQAEFDILYGEGISWEGELIDIGVKNDIINKSGAWYSYNGAK   297
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NTDB id 1142 GTF74 RS11550 WP 000344154.1     LDIRRTGA....I.KEGEEVVGNETRIKVVKNKIAAPFKEANTQIMYGQGFNREGELIDLGVKHKMVEKSGAWYSYNGDK   296
NTDB id 1022 ACIAD RS06390 WP 004925639.1     LDIRRIGQ....V.KEGDEIIGSETKVKVVKNKMAPPFREAIFQILYGKGVNQLGELVDLAVQQNIVQKAGAWYSYQGNK   296
NTDB id 1074 ABD1 RS10195 WP 000344167.1      LDIRRIGQ....V.KEGDEIVGSETKVKVVKNKMAPPFKEAIFQILYGKGTNQLGELVDLAVQQDIVQKAGAWYSYQGNK   296
NTDB id 1205 PSJM300 05545 AFN77183.1         LDIRRTGA....V.KEGDEVVGSETRVKVVKNKVAPPFRQAEFQILYGKGIYRNGEIIDLGVQQGLVEKSGAWYAYKGSK   296
consensus                                     ***!*            *  ** ****!**!!!*!*!!* *  ****!*!*** **** **   *** ! !****!   *
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logo
NTDB id 1313 DR RS12030 WP 010888966.1      IGQGKEKTIAYIAERPEMEQEIRDRVMAAIRAGNAGEAPALAPAPAA......PEAAEA.....................  363
NTDB id 364925 EYS05 RS10940 WP 118513041.1 IGQGRENAKLFLREHPEIRDEIEKKVRVHYHLDPADETAEAAVQADDTE......KEE......................  350
NTDB id 600 KW2 RS01765 WP 011675413.1      IGQGAEKAKNYLKEHQDVFDEIDHKVRAAHGLLDDSEVAETEEETTASKTKAKAKKEEKAVETEEIELELED........  387
NTDB id 269 KZH43 RS08665 WP 001085462.1    IGQGSENAKKYLAEHPEIFDEIDKQVRSKFGLIDGEEVSEQDTENKKDE....PKKEEA..VNEEVPLDLGDELEIEIEE  388
NTDB id 228 SPD RS09265 WP 001085462.1      IGQGSENAKKYLAEHPEIFDEIDKQVRSKFGLIDGEEVSEQDTENKKDE....PKKEEA..VNEEVPLDLGDELEIEIEE  388
NTDB id 194 SPR RS08825 WP 001085462.1      IGQGSENAKKYLAEHPEIFDEIDKQVRSKFGLIDGEEVSEQDTENKKDE....PKKEEA..VNEEVPLDLGDELEIEIEE  388
NTDB id 159 SP RS09750 WP 001085462.1       IGQGSENAKKYLAEHPEIFDEIDKQVRSKFGLIDGEEVSEQDTENKKDE....PKKEEA..VNEEVPLDLGDELEIEIEE  388
NTDB id 499 SM12261 RS08315 WP 078228268.1  IGQGSENAKKYLADNPEIFDEIDHQVRVQFGLIDGEEIAES....KKDE....AAQVDS..VNEEVTLDLGDELEIEIEE  384
NTDB id 527 SMSK321 RS11065 WP 001085454.1  IGQGSENAKKYLADNPEVFAEIDHQVRVQFGLIDGEEAAES....KKDE....VAQVDS..VNEEVTLDLGDELEIEIEE  384
NTDB id 408 SMU RS09530 WP 002262392.1      IGQGSENAKKFLADNPEIFDDIDHKVRVQYGLIEEDNTEEKQSSKEK.......ETDEK..ADKNLVLELDDTIELED..  383
NTDB id 453 Spy49 1753c ACI62003.1          IGQGSENAKRYLADHPQLFDEIDRKVRVKFGLLEESEEESAMAVASE.......E.......TDDLALDLDNGIEIED..  378
NTDB id 115 BSU 16940 NP 389576.2           LGQGRENAKQFLKENKDIMLMIQEQIREHYGLDNNGVVQQQAEETQEEL.EFE.E........................  348
NTDB id 625 LCA RS02525 WP 011374196.1      IGQGRENAKNYLADHEDVEDEVRLKVRAAYGISDVPEEDLPTTEDE.QI.NILPDDST.....EE...............  355
NTDB id 1245 Cj1673c YP 002345041.1         LGQGRENSKAFLKENPEIADEITKAIQNSMGIEGMISGSEDD..EGEE...............................  343
NTDB id 1214 NCTC11637 00359 SQJ03206.1     LGQGRENAKALLKEDKALADEITLKIKESIGSNEEIMPLPDE..PLEEM.E............................  347
NTDB id 1211 C694 RS00795 WP 000963128.1    LGQGRENAKALLKEDKALADEITLKIKESIGSNEEIMPLPDE..PLEEM.E............................  347
NTDB id 1334 RAOC RS04870 WP 004918236.1    LGQGRDTVKELIKDNPELAEELEAKIREKLQAK...............................................  343
NTDB id 1389 A4U84 RS07560 WP 021112712.1   IGQGKNNAVKWLKENPEIADKLEQEIRNTLASNPNSVLKATASDSNDES.DVEEFSE......EEL..............  372
NTDB id 1130 NGFG RS03960 WP 003688695.1    IGQGKDNVRVWLKENPEISDEIDAKIRALNGVEMHITEGTQDETDGER.......PE......E................  348
NTDB id 1124 NGFG RS03960 WP 003688695.1    IGQGKDNVRVWLKENPEISDEIDAKIRALNGVEMHITEGTQDETDGER.......PE......E................  348
NTDB id 1123 OK783 RS03845 WP 003688695.1   IGQGKDNVRVWLKENPEISDEIDAKIRALNGVEMHITEGTQDETDGER.......PE......E................  348
NTDB id 1427 RS RS02760 WP 011000510.1      IGQGRDNCREFLRENAELAREIENKVREHLGVTPMGAVTLA.EEVEED................................  352
NTDB id 1165 A1552VC RS01565 WP 000344154.1 IGQGKANACKYLKENPEIAKTLDKKLREMLLNPENMQLIAETSSAADDV.EFGAVPE......EF...............  354
NTDB id 1142 GTF74 RS11550 WP 000344154.1   IGQGKANACKYLKENPEIAKTLDKKLREMLLNPENMQLIAETSSAADDV.EFGAVPE......EF...............  354
NTDB id 1022 ACIAD RS06390 WP 004925639.1   IGQGKNNVIRYLEENPQISTEIEAVIREQLLTKASDQTAA.HDETEEEP.DLL..ES.......................  349
NTDB id 1074 ABD1 RS10195 WP 000344167.1    IGQGKNNVIRYFEENNQIAEEIERNIREQLLTTGTNGAVQ.I.EDEEEP.DLL..LE......S................  349
NTDB id 1205 PSJM300 05545 AFN77183.1       IGQGKANAAKYLEENPEIGQEIEQQIRAKLLVTSANTKATPVAEDLADA.DI...........................  347
consensus                                   *!!!***** ** * *** ****  **   **              *
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X non conserved

X similar

X $\geq$ 50% conserved