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logo
NTDB id 116505 AI22 RS06655 WP 003123619.1  MNSGLSRLGIALLAA.MFAPALLAADLEKLDVAALPGDRVELKLQFDEPVAAPRGYTIEQPARIALDLPGVQNKLGTKNRELSVG   84
NTDB id 1193 PAKAF RS26665 WP 003161249.1  MNSGLSRLGIALLAA.MFAPALLAADLEKLDVAALPGDRVELKLQFDEPVAAPRGYTIEQPARIALDLPGVQNKLGTKNRELSVG   84
NTDB id 1009 ACIAD RS15175 WP 004923730.1  MKQIIRQFSIGTVAYAIMQVASAQVAITNVVPMNIPGQGTEIRVMFNGLPPQPQAYQLEQPARLILDFDKAGQKLAKSLIPVTTN   85
NTDB id 1039 HON27 RS01460 WP 031993779.1  MNHVFRQFSMGAVAIAIMQAASAQVSMTNIVPMQIAGQGTEIRVMFNGLPPQPQAYQLENPSRLILDFDKAQQGLKQSKISVATN   85
NTDB id 1052 ABD1 RS15850 WP 001017033.1  MNHVFRQFSMGAVAIAIMQAASAQVSMTNIVPMQIAGQGTEIRVMFNGLPPQPQAYQLENPSRLILDFDKAQQGLKQSKISVATN   85
consensus                                  !* ******** *! **** !**** **********!***!****!******!**!**!*!*!**!!*******!* * * ****

logo
NTDB id 116505 AI22 RS06655 WP 003123619.1  NTRSVTVVEAKDRTRLIINLTTLSSYTTRVEGNNLFVVVGNSPAGASVASAAPVKASPAPASYAQPIKPKPYVPAGRAIRNIDFQ  169
NTDB id 1193 PAKAF RS26665 WP 003161249.1  NTRSVTVVEAKDRTRLIINLTTLSSYTTRVEGNNLFVVVGNSPAGASVASTAPVKASPAPASYAQPIKPKPYVPAGRAIRNIDFQ  169
NTDB id 1009 ACIAD RS15175 WP 004923730.1  EASSIDVSSDDKRARVVVNLKDAGAFTTRVEGNVFILKINNIQSTAT.....PV.....A..TSA.......PAPQQGIGNIGFQ  151
NTDB id 1039 HON27 RS01460 WP 031993779.1  EASSVDVTSDDQRSRLTVNLKDTGAFTTRVEGNTFILKINSAQTSNK.....PL.....P..VVS........AQPQGVSNIGFQ  150
NTDB id 1052 ABD1 RS15850 WP 001017033.1  EASSVDVTSDDQRSRLTVNLKDAGAFTTRVEGNTFILKINSAQTSNK.....PL.....P..VVS........AQPQGVSNIGFQ  150
consensus                                  ***!**!**** !*!***!!** ***!!!!!!! ******* *****     !*     *              *  *** !!*!!

logo
NTDB id 116505 AI22 RS06655 WP 003123619.1  RGEKGEGNVVIDLSDPTLSPDIQEQGGKIRLDFAKTQLPDALRVRLDVKDFATPVQFVNASAQSDRTSITIEPSGLYDYLVYQTD  254
NTDB id 1193 PAKAF RS26665 WP 003161249.1  RGEKGEGNVVIDLSDPTLSPDIQEQGGKIRLDFAKTQLPDALRVRLDVKDFATPVQFVNASAQSDRTSITIEPSGLYDYLVYQTD  254
NTDB id 1009 ACIAD RS15175 WP 004923730.1  RGAQGEGLVVIDLQGTNTPVDVQQQGSKVVVRFPGIKIPTHLARRLNTTDFATPVASIDSYNDGSNGVISIQSTGSYEYMAYQAE  236
NTDB id 1039 HON27 RS01460 WP 031993779.1  RGSQGEGLVVVDLLGSNTPVDVQQQGSKVVIRTIGTKIPTHLARRLNVNDFATPVSSIDAYNDKGVGVITIQSSGSYEYMAYQAE  235
NTDB id 1052 ABD1 RS15850 WP 001017033.1  RGSQGEGLVVVDLLGSNTPVDVQQQGSKVVIRTIGTKIPTHLARRLNVNDFATPVSSIDAYNDKGVGVITIQSSGSYEYMAYQAE  235
consensus                                  !! *!!!*!!*!! ******!*!*!!*!***** ****!**!**!!** !!!!!! *******   **!*!***!*!*!**!!**

logo
NTDB id 116505 AI22 RS06655 WP 003123619.1  NRLTVSIKPMTTEDAERRKKDNFAYTGEKLSLNFQDIDVRSVLQLIADFTDLNLVASDTVQGNITLRLQNVPWDQALDLVLKTKG  339
NTDB id 1193 PAKAF RS26665 WP 003161249.1  NRLTVSIKPMTTEDAERRKKDNFAYTGEKLSLNFQDIDVRSVLQLIADFTDLNLVASDTVQGNITLRLQNVPWDQALDLVLKTKG  339
NTDB id 1009 ACIAD RS15175 WP 004923730.1  NKLTISLKRPQDNV.RLNSKNNQNYTGKKISLDFQDIEVRRVLQLLADFTNINMVTADSVQGNITLHLKDVPWDQALDIILKTKN  320
NTDB id 1039 HON27 RS01460 WP 031993779.1  NKLTISLKRPQDKN.VTSLYKTPNYSGNKLSLDFQDIEVRRVLQLLADFTGINMVAADSVQGNITLRLKDVPWDQALDIILKTKN  319
NTDB id 1052 ABD1 RS15850 WP 001017033.1  NKLTISLKRPQDKN.VTSLYKTPNYSGNKLSLDFQDIEVRRVLQLLADFTGINMVAADSVQGNITLRLKDVPWDQALDIILKTKN  319
consensus                                  !*!!*!*!****       * * *!*! !*!!*!!!!*!!*!!!!*!!!! *!*!**!*!!!!!!!*!**!!!!!!!!!**!!!!*

logo
NTDB id 116505 AI22 RS06655 WP 003123619.1  LDKRKLGNVLLVAPADEIAARERQELEAQKQIAELAPLRRELIQVNYAKAADIAKLFQSVTSDGGQEG.................  407
NTDB id 1193 PAKAF RS26665 WP 003161249.1  LDKRKLGNVLLVAPADEIAARERQELEAQKQIAELAPLRRELIQVNYAKAADIAKLFQSVTSDGGQEG.................  407
NTDB id 1009 ACIAD RS15175 WP 004923730.1  LDKRRNGNVIWIAPVSELIKSEEDEAKAIAQSTKLAPLQTEYILLKYAKAADIEKLITQGRNSGTSNSN.........TNGSATV  396
NTDB id 1039 HON27 RS01460 WP 031993779.1  LDKRRNGNVIWIAPVAELIKAEEEEAKAVAQSVKLAPLQTEYIQLKYAKAGDIMGLITQGSNNSNGLQHTSGGGTSTSTNLNTGV  404
NTDB id 1052 ABD1 RS15850 WP 001017033.1  LDKRRNGNVIWIAPVAELIKAEEEEAKAVAQSVKLAPLQTEYIQLKYAKAGDIMGLITQGSNNSNGLQHTSGGGTSTSTNLNTGV  404
consensus                                  !!!!**!!!***!!* !*** !**!**!**!* *!!!!**!*!***!!!!*!! *!****** *                **    *
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logo
NTDB id 116505 AI22 RS06655 WP 003123619.1  .........KEGGRGSITVDDRTNSIIAYQPQERLDELRRIVSQLDIPVRQVMIEARIVEANVGYDKSLGVRWGGAYHKGNWRG.   482
NTDB id 1193 PAKAF RS26665 WP 003161249.1   .........KEGGRGSITVDDRTNSIIAYQPQERLDELRRIVSQLDIPVRQVMIEARIVEANVGYDKSLGVRWGGAYHKGNWSG.   482
NTDB id 1009 ACIAD RS15175 WP 004923730.1   EPLGDSVGTLLSPRGTISLDPRTNTLIINDTSQKIDQIRKMIDLLDIPVKQVMIEARIVRATTSFSKEMGVKWGILSQGINQNSN   481
NTDB id 1039 HON27 RS01460 WP 031993779.1   DSLGNNVGSLLSPRGTITQDDRTNTLIINDTAQSIDQIRKMIDLLDVQVKQVMVEARIVRASTSFTKELGVKWGILSQGITNNNN   489
NTDB id 1052 ABD1 RS15850 WP 001017033.1    DSLGNNVGSLLSPRGTITQDDRTNTLIINDTAQSIDQIRKMIDLLDVQVKQVMVEARIVRASTSFTKELGVKWGILSQGITNNNN   489
consensus                                   * **  ***!****!!*!**!*!!!**!**** ***!**!*****!!**!*!!!*!!!!!*!*****!**!!*!!********* *

logo
NTDB id 116505 AI22 RS06655 WP 003123619.1  ...YGKDGN.IGIKDEDGMNCGPIAGNCTFPTTGTSKSPSPFVDIGAKDA.TSGIGIGFI.TDNIILDLQLSAMEKTGNGEIVSQ   561
NTDB id 1193 PAKAF RS26665 WP 003161249.1  ...YGKDGN.IGIKDEDGMNCGPIAGSCTFPTTGTSKSPSPFVDLGAKDA.TSGIGIGFI.TDNIILDLQLSAMEKTGNGEIVSQ   561
NTDB id 1009 ACIAD RS15175 WP 004923730.1  LLVGGSETTLWNLRNPD...SN.....GTYTI...ERPDNLNVDLGVTTTGASSIAFGLISLSDFMLDLELSALQADGYGEVIST   555
NTDB id 1039 HON27 RS01460 WP 031993779.1  LLVGGSETTLWNLREPK...KDETTGGYKYTI...ERPDNLNVDLGVSNP.AGSIAFGLISMSDFMLDLELSALQADGYGEVIST   567
NTDB id 1052 ABD1 RS15850 WP 001017033.1   LLVGGSETTLWNLREPK...KDETTGGYKYTI...ERPDNLNVDLGVSNP.AGSIAFGLISMSDFMLDLELSALQADGYGEVIST   567
consensus                                  ****!************        *  ****   *******!!*!**   ***!**!*!******!!!*!!!****!*!!**!*

logo
NTDB id 116505 AI22 RS06655 WP 003123619.1  PKVVTSDKETAKILKGQEVPYQEASSSGA...TSTSFKEAALSLEVTPQITPDNRIIVEVKVTKDAPDFDRALNGVPPINKNEVN   643
NTDB id 1193 PAKAF RS26665 WP 003161249.1  PKVVTSDKETAKILKGSEVPYQEASSSGA...TSTSFKEAALSLEVTPQITPDNRIIVEVKVTKDAPDYQNMLNGVPPINKNEVN   643
NTDB id 1009 ACIAD RS15175 WP 004923730.1  PKVMSADKQKAKVATGVEVPYQSTTNSAAGSTATTSFKEALLSLEVTPNITPDGKILMELNIANDSIN.SYAQNGEAILNKNTIN   639
NTDB id 1039 HON27 RS01460 WP 031993779.1  PKVMTADKQTAKVATGQQVPYQSTTNSAAGSTATTSFKDALLSLNVTPSITPDGKIQMKLDISKDSVA.GAAPNGELILNKNNIN   651
NTDB id 1052 ABD1 RS15850 WP 001017033.1   PKVMTADKQTAKVATGQQVPYQSTTNSAAGSTATTSFKDALLSLNVTPSITPDGKIQMKLDISKDSVA.GAAPNGELILNKNNIN   651
consensus                                  !!!***!!**!!***!**!!!!****!*!*****!!!!*!!!!*!!!*!!!!**!**** ***!**    * !!* **!!! *!

logo
NTDB id 116505 AI22 RS06655 WP 003123619.1  AKILVNDGETIVIGGVFSNTQSKSVDKVPFLGDLPYLGRLFRRDTVSDVKNELLVFLTPRIMNNQAIAIGR   714
NTDB id 1193 PAKAF RS26665 WP 003161249.1  AKILVNDGETIVIGGVFSNEQSKSVEKVPFLGELPYLGRLFRRDTVTDRKNELLVFLTPRIMNNQAIAIGR   714
NTDB id 1009 ACIAD RS15175 WP 004923730.1  TNVLVNNGETVVLGGVFEQTTNNAVTKVPFLGDLPYVGRLFKKTAKSEAKNELLIFVTPRIVNDTIVGNH.   709
NTDB id 1039 HON27 RS01460 WP 031993779.1  TNVLVDNGETVILGGVFEQTTMNSQTKVPFFGDIPVVGRLFRKDVKSDDKQELLIFVTPRIVNDTLARNH.   721
NTDB id 1052 ABD1 RS15850 WP 001017033.1   TNVLVDNGETVILGGVFEQTTMNSQTKVPFFGDIPVVGRLFRKDVKSDDKQELLIFVTPRIVNDTLARNH.   721
consensus                                  ***!!**!!!***!!!!**** ****!!!!*!**!**!!!!*** ***  !*!!!*!*!!!!*!*******
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X non conserved

X similar

X ≥50% conserved