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logo
NTDB id 1009 ACIAD RS15175 WP 004923730.1      MKQIIRQFSIGTVAYAIMQVASAQVAITNVVPMNIPGQGTEIRVMFNGLPPQPQAYQLEQPARLILDFDKAGQKLAKSLI    80
NTDB id 1039 HON27 RS01460 WP 031993779.1      MNHVFRQFSMGAVAIAIMQAASAQVSMTNIVPMQIAGQGTEIRVMFNGLPPQPQAYQLENPSRLILDFDKAQQGLKQSKI    80
NTDB id 1052 ABD1 RS15850 WP 001017033.1       MNHVFRQFSMGAVAIAIMQAASAQVSMTNIVPMQIAGQGTEIRVMFNGLPPQPQAYQLENPSRLILDFDKAQQGLKQSKI    80
NTDB id 1061386 ACGB44 RS03480 WP 316958970.1 MNSTLSRLGISMLV.AFVSPAVLAANLNALDVAALPGDRVELKLAFDEPVAPPRGYTLEQPARIALDLPGVSNNLGAKNR    79
NTDB id 1193 PAKAF RS26665 WP 003161249.1     MNSGLSRLGIALLA.AMFAPALLAADLEKLDVAALPGDRVELKLQFDEPVAAPRGYTIEQPARIALDLPGVQNKLGTKNR    79
consensus                                      !* ******** ** !*** !**** **********!***!****!******!**!**!*!*!**!!****** !* * *

logo
NTDB id 1009 ACIAD RS15175 WP 004923730.1      PVTTNEASSIDVSSDDKRARVVVNLKDAGAFTTRVEGNVFILKINNIQSTA.....TPVAT.............SAP...   139
NTDB id 1039 HON27 RS01460 WP 031993779.1      SVATNEASSVDVTSDDQRSRLTVNLKDTGAFTTRVEGNTFILKINSAQTSN.....KPLPV.............VS....   138
NTDB id 1052 ABD1 RS15850 WP 001017033.1       SVATNEASSVDVTSDDQRSRLTVNLKDAGAFTTRVEGNTFILKINSAQTSN.....KPLPV.............VS....   138
NTDB id 1061386 ACGB44 RS03480 WP 316958970.1 ELGVGNARSVTVVEAQGRTRLIVNLTSLVPYSTRVDGKNLFVVLGENAGAS.....GPVAVSAQPSAVAHPSVATAPAKA   154
NTDB id 1193 PAKAF RS26665 WP 003161249.1     ELSVGNTRSVTVVEAKDRTRLIINLTTLSSYTTRVEGNNLFVVVGNSPAGASVASTAPVKASPAPASYAQ...PIKPKPY   156
consensus                                      *******!**!**** !*!***!!** ****!!!*!* ******  ***       !* *            * *

logo
NTDB id 1009 ACIAD RS15175 WP 004923730.1      .APQQGIGNIGFQRGAQGEGLVVIDLQGTNTPVDVQQQGSKVVVRFPGIKIPTHLARRLNTTDFATPVASIDSYNDGSNG   218
NTDB id 1039 HON27 RS01460 WP 031993779.1      .AQPQGVSNIGFQRGSQGEGLVVVDLLGSNTPVDVQQQGSKVVIRTIGTKIPTHLARRLNVNDFATPVSSIDAYNDKGVG   217
NTDB id 1052 ABD1 RS15850 WP 001017033.1       .AQPQGVSNIGFQRGSQGEGLVVVDLLGSNTPVDVQQQGSKVVIRTIGTKIPTHLARRLNVNDFATPVSSIDAYNDKGVG   217
NTDB id 1061386 ACGB44 RS03480 WP 316958970.1 VTVGKAIDNIDFRRGDDGAGNVIVTLSDPSISSTIEEQGGKIRVNFAKAQLPESLRVRLDVQDFATPVRFVDSASQAGGA   234
NTDB id 1193 PAKAF RS26665 WP 003161249.1     VPAGRAIRNIDFQRGEKGEGNVVIDLSDPTLSPDIQEQGGKIRLDFAKTQLPDALRVRLDVKDFATPVQFVNASAQSDRT   236
consensus                                       *  *** !!*!*!! *!*!*!***! **********!!*!***** ****!**!**!!***!!!!!! ******* * *

logo
NTDB id 1009 ACIAD RS15175 WP 004923730.1      VISIQSTGSYEYMAYQAENKLTISLKRPQDNV.RLNSKNNQNYTGKKISLDFQDIEVRRVLQLLADFTNINMVTADSVQG   297
NTDB id 1039 HON27 RS01460 WP 031993779.1      VITIQSSGSYEYMAYQAENKLTISLKRPQDKN.VTSLYKTPNYSGNKLSLDFQDIEVRRVLQLLADFTGINMVAADSVQG   296
NTDB id 1052 ABD1 RS15850 WP 001017033.1       VITIQSSGSYEYMAYQAENKLTISLKRPQDKN.VTSLYKTPNYSGNKLSLDFQDIEVRRVLQLLADFTGINMVAADSVQG   296
NTDB id 1061386 ACGB44 RS03480 WP 316958970.1 SIAIEPTGRYDYLAYQTDNKLTISVKPLTEDEAEKRKADRFAYSGEKLSLNFQDIDVRSVLQLIADFTDLNLVASDTVSG   314
NTDB id 1193 PAKAF RS26665 WP 003161249.1     SITIEPSGLYDYLVYQTDNRLTVSIKPMTTEDAERRKKDNFAYTGEKLSLNFQDIDVRSVLQLIADFTDLNLVASDTVQG   316
consensus                                     *!*!***!*!*!**!!**!*!!*!*!**** *!*! !*!!*!!!!*!!*!!!!*!!!! *!*!**!*!*!

logo
NTDB id 1009 ACIAD RS15175 WP 004923730.1      NITLHLKDVPWDQALDIILKTKNLDKRRNGNVIWIAPVSELIKSEEDEAKAIAQSTKLAPLQTEYILLKYAKAADIEKLI   377
NTDB id 1039 HON27 RS01460 WP 031993779.1      NITLRLKDVPWDQALDIILKTKNLDKRRNGNVIWIAPVAELIKAEEEEAKAVAQSVKLAPLQTEYIQLKYAKAGDIMGLI   376
NTDB id 1052 ABD1 RS15850 WP 001017033.1       NITLRLKDVPWDQALDIILKTKNLDKRRNGNVIWIAPVAELIKAEEEEAKAVAQSVKLAPLQTEYIQLKYAKAGDIMGLI   376
NTDB id 1061386 ACGB44 RS03480 WP 316958970.1 NITLRLQNVPWDQALDLVLKTKGLDKRQVGNVLLVAPADEIAARERQELESQRQIAELAPLRREVVQVNYAKAADIARLF   394
NTDB id 1193 PAKAF RS26665 WP 003161249.1     NITLRLQNVPWDQALDLVLKTKGLDKRKLGNVLLVAPADEIAARERQELEAQKQIAELAPLRRELIQVNYAKAADIAKLF   396
consensus                                      !!!!*!**!!!!!!!!**!!!!*!!!!**!!!***!!* !*** !**!*****!* *!!!!**!*****!!!!*!! *!*
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logo
NTDB id 1009 ACIAD RS15175 WP 004923730.1       TQGRNSGTSNSN.........TNGSATVEPLGDSVGTLLSPRGTISLDPRTNTLIINDTSQKIDQIRKMIDLLDIPVKQV   448
NTDB id 1039 HON27 RS01460 WP 031993779.1       TQGSNNSNGLQHTSGGGTSTSTNLNTGVDSLGNNVGSLLSPRGTITQDDRTNTLIINDTAQSIDQIRKMIDLLDVQVKQV   456
NTDB id 1052 ABD1 RS15850 WP 001017033.1        TQGSNNSNGLQHTSGGGTSTSTNLNTGVDSLGNNVGSLLSPRGTITQDDRTNTLIINDTAQSIDQIRKMIDLLDVQVKQV   456
NTDB id 1061386 ACGB44 RS03480 WP 316958970.1  QSVTNTQG.............................ETEDRGSIAVDDRTNNIIAYQTQERLDELRRIVAQLDIPVRQV   445
NTDB id 1193 PAKAF RS26665 WP 003161249.1       QSVTSDGGQE...........................GKEGGRGSITVDDRTNSIIAYQPQERLDELRRIVSQLDIPVRQV   450
consensus                                       *****                **    ** **  *******!!*!**!*!!!**!**** ***!**!*****!!**!*!!
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logo
NTDB id 1009 ACIAD RS15175 WP 004923730.1       MIEARIVRATTSFSKEMGVKWGILSQGINQNSNLLVGGSETTLWN.LRNPDSN.....GTYTI...ERPDNLNVDLGVTT   519
NTDB id 1039 HON27 RS01460 WP 031993779.1       MVEARIVRASTSFTKELGVKWGILSQGITNNNNLLVGGSETTLWN.LREPKKDETTGGYKYTI...ERPDNLNVDLGVSN   532
NTDB id 1052 ABD1 RS15850 WP 001017033.1        MVEARIVRASTSFTKELGVKWGILSQGITNNNNLLVGGSETTLWN.LREPKKDETTGGYKYTI...ERPDNLNVDLGVSN   532
NTDB id 1061386 ACGB44 RS03480 WP 316958970.1  MIEARIVEANVDYDKALGVRWGGTQLFANGRGAV.YGNDD...FGDEGGD............SGEESSGNFPFVDMGVAN   509
NTDB id 1193 PAKAF RS26665 WP 003161249.1       MIEARIVEANVGYDKSLGVRWGGAYHKGNW..SG.YGKDGNIGIKDEDGMNCGPIAGSCTFPTTGTSKSPSPFVDLGAKD   527
consensus                                       !*!!!!!*!*****!**!!*!!********* ****!******** ** *       *   ***   *******!!*!***
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logo
NTDB id 1009 ACIAD RS15175 WP 004923730.1       TGASSIAFGLISLSDFMLDLELSALQADGYGEVISTPKVMSADKQKAKVATGVEVPYQSTTNSAAGSTATTSFKEALLSL   599
NTDB id 1039 HON27 RS01460 WP 031993779.1       P.AGSIAFGLISMSDFMLDLELSALQADGYGEVISTPKVMTADKQTAKVATGQQVPYQSTTNSAAGSTATTSFKDALLSL   611
NTDB id 1052 ABD1 RS15850 WP 001017033.1        P.AGSIAFGLISMSDFMLDLELSALQADGYGEVISTPKVMTADKQTAKVATGQQVPYQSTTNSAAGSTATTSFKDALLSL   611
NTDB id 1061386 ACGB44 RS03480 WP 316958970.1  R.TAGIGIGYI.TDNLILDLELSAMEKSGNGEVVSQPKVMTADKETAKILKGSEIPYQEASSSGAT...STTFVEAALSL   584
NTDB id 1193 PAKAF RS26665 WP 003161249.1       A.TSGIGIGFI.TDNIILDLQLSAMEKTGNGEIVSQPKVVTSDKETAKILKGSEVPYQEASSSGAT...STSFKEAALSL   602
consensus                                         ***!**!*!******!!!*!!!****!*!!**!*!!!***!!**!!***! **!!!****!*!*****!*!**!*!!!
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logo
NTDB id 1009 ACIAD RS15175 WP 004923730.1       EVTPNITPDGKILMELNIANDSINS.YAQNGEAILNKNTINTNVLVNNGETVVLGGVFEQTTNNAVTKVPFLGDLPYVGR   678
NTDB id 1039 HON27 RS01460 WP 031993779.1       NVTPSITPDGKIQMKLDISKDSVAG.AAPNGELILNKNNINTNVLVDNGETVILGGVFEQTTMNSQTKVPFFGDIPVVGR   690
NTDB id 1052 ABD1 RS15850 WP 001017033.1        NVTPSITPDGKIQMKLDISKDSVAG.AAPNGELILNKNNINTNVLVDNGETVILGGVFEQTTMNSQTKVPFFGDIPVVGR   690
NTDB id 1061386 ACGB44 RS03480 WP 316958970.1  EVTPQITPDNRIIMEVKVTKDEPDFANDVNGTPTIRKNEVNAKILVNDGETVVIGGVFSNTQSKSVDKVPFLGDLPYLGR   664
NTDB id 1193 PAKAF RS26665 WP 003161249.1       EVTPQITPDNRIIVEVKVTKDAPDYQNMLNGVPPINKNEVNAKILVNDGETIVIGGVFSNEQSKSVEKVPFLGELPYLGR   682
consensus                                       *!!!*!!!!**!**** ***!**    * !!* ***!! *!***!!**!!!***!!!!**** ****!!!!*!**!**!!
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logo
NTDB id 1009 ACIAD RS15175 WP 004923730.1       LFKKTAKSEAKNELLIFVTPRIVNDTIVGNH.   709
NTDB id 1039 HON27 RS01460 WP 031993779.1       LFRKDVKSDDKQELLIFVTPRIVNDTLARNH.   721
NTDB id 1052 ABD1 RS15850 WP 001017033.1        LFRKDVKSDDKQELLIFVTPRIVNDTLARNH.   721
NTDB id 1061386 ACGB44 RS03480 WP 316958970.1  MFRRDVVADSKSELLIFLTPRILNHQAVAVSR   696
NTDB id 1193 PAKAF RS26665 WP 003161249.1       LFRRDTVTDRKNELLVFLTPRIMNNQAIAIGR   714
consensus                                       *!******* !*!!!*!*!!!!*!*******
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X non conserved
X similar
X $\geq$50% conserved