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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 278775 C6Y50 RS09480 WP 106442740.1  MNTTLSRLGVSLLAAF.ISPALLAANLNALDVAALPGDRVELKLAFDEPVASPRGYTLDQPARIALDLPGVSNNLGAKNR    79
NTDB id 1193 PAKAF RS26665 WP 003161249.1    MNSGLSRLGIALLAAM.FAPALLAADLEKLDVAALPGDRVELKLQFDEPVAAPRGYTIEQPARIALDLPGVQNKLGTKNR    79
consensus                                    !* ******** *! **** !**** **********!***!****!******!**!****!*!**!!****** !* * *

logo
NTDB id 1009 ACIAD RS15175 WP 004923730.1     PVTTNEASSIDVSSDDKRARVVVNLKDAGAFTTRVEGNVFILKINNIQSTATPV............ATSAP.......AP   141
NTDB id 1039 HON27 RS01460 WP 031993779.1     SVATNEASSVDVTSDDQRSRLTVNLKDTGAFTTRVEGNTFILKINSAQTSNKPL............PVVS........AQ   140
NTDB id 1052 ABD1 RS15850 WP 001017033.1      SVATNEASSVDVTSDDQRSRLTVNLKDAGAFTTRVEGNTFILKINSAQTSNKPL............PVVS........AQ   140
NTDB id 278775 C6Y50 RS09480 WP 106442740.1  ELGVGNARSVTVVEAQGRTRLIVNLTALVPYSTRVDGNNLFVVLGESSGTTSPAAASAA..VTAPIAKSAP...VKPMAA   154
NTDB id 1193 PAKAF RS26665 WP 003161249.1    ELSVGNTRSVTVVEAKDRTRLIINLTTLSSYTTRVEGNNLFVVVGNSPAGASVASTAPVKASPAPASYAQPIKPKPYVPA   159
consensus                                     *******!**!**** !*!***!!** ****!!!*!! ******  *** ***                *       *

logo
NTDB id 1009 ACIAD RS15175 WP 004923730.1     QQGIGNIGFQRGAQGEGLVVIDLQGTNTPVDVQQQGSKVVVRFPGIKIPTHLARRLNTTDFATPVASIDSYNDGSNGVIS   221
NTDB id 1039 HON27 RS01460 WP 031993779.1     PQGVSNIGFQRGSQGEGLVVVDLLGSNTPVDVQQQGSKVVIRTIGTKIPTHLARRLNVNDFATPVSSIDAYNDKGVGVIT   220
NTDB id 1052 ABD1 RS15850 WP 001017033.1      PQGVSNIGFQRGSQGEGLVVVDLLGSNTPVDVQQQGSKVVIRTIGTKIPTHLARRLNVNDFATPVSSIDAYNDKGVGVIT   220
NTDB id 278775 C6Y50 RS09480 WP 106442740.1  GKAIDNIDFRRGEDGAGNVVITLSDPSVGSTIEEQGGKIRVVFAKAELPEALRVRLDVQDFATPVKFVDSTAQAGGASIA   234
NTDB id 1193 PAKAF RS26665 WP 003161249.1    GRAIRNIDFQRGEKGEGNVVIDLSDPTLSPDIQEQGGKIRLDFAKTQLPDALRVRLDVKDFATPVQFVNASAQSDRTSIT   239
consensus                                     *** !!*!*!! *!*!*!!**! **********!!*!***** ****!**!**!!**!!!!!! ******* * **!*

logo
NTDB id 1009 ACIAD RS15175 WP 004923730.1     IQSTGSYEYMAYQAENKLTISLKRPQDNVR.LNSKNNQNYTGKKISLDFQDIEVRRVLQLLADFTNINMVTADSVQGNIT   300
NTDB id 1039 HON27 RS01460 WP 031993779.1     IQSSGSYEYMAYQAENKLTISLKRPQDKNV.TSLYKTPNYSGNKLSLDFQDIEVRRVLQLLADFTGINMVAADSVQGNIT   299
NTDB id 1052 ABD1 RS15850 WP 001017033.1      IQSSGSYEYMAYQAENKLTISLKRPQDKNV.TSLYKTPNYSGNKLSLDFQDIEVRRVLQLLADFTGINMVAADSVQGNIT   299
NTDB id 278775 C6Y50 RS09480 WP 106442740.1  IEPTGRYDYLAYQTDNKLTISVKPLTEEEADKRKADRFAYSGEKLSLNFQDIDVRSVLQLIADFTDLNLVASDTVSGNIT   314
NTDB id 1193 PAKAF RS26665 WP 003161249.1    IEPSGLYDYLVYQTDNRLTVSIKPMTTEDAERRKKDNFAYTGEKLSLNFQDIDVRSVLQLIADFTDLNLVASDTVQGNIT   319
consensus                                    !****!*!*!**!!**!*!!*!*!**** *!*! !*!!*!!!!*!!*!!!!*!!!! *!*!**!*!*!!!!

logo
NTDB id 1009 ACIAD RS15175 WP 004923730.1     LHLKDVPWDQALDIILKTKNLDKRRNGNVIWIAPVSELIKSEEDEAKAIAQSTKLAPLQTEYILLKYAKAADIEKLITQG   380
NTDB id 1039 HON27 RS01460 WP 031993779.1     LRLKDVPWDQALDIILKTKNLDKRRNGNVIWIAPVAELIKAEEEEAKAVAQSVKLAPLQTEYIQLKYAKAGDIMGLITQG   379
NTDB id 1052 ABD1 RS15850 WP 001017033.1      LRLKDVPWDQALDIILKTKNLDKRRNGNVIWIAPVAELIKAEEEEAKAVAQSVKLAPLQTEYIQLKYAKAGDIMGLITQG   379
NTDB id 278775 C6Y50 RS09480 WP 106442740.1  LRLQNVPWDQALDLVLKTKGLDKRQVGNVLLVAPADEIAARERQELESQRQIAELAPLRREVVQVNYAKAADIARLFQSV   394
NTDB id 1193 PAKAF RS26665 WP 003161249.1    LRLQNVPWDQALDLVLKTKGLDKRKLGNVLLVAPADEIAARERQELEAQKQIAELAPLRRELIQVNYAKAADIAKLFQSV   399
consensus                                    !*!**!!!!!!!!**!!!!*!!!!**!!!***!!* !*** !**!*****!* *!!!!**!*****!!!!*!! *!****
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logo

NTDB id 1009 ACIAD RS15175 WP 004923730.1     RNSGTSNSN.........TNGSATVEPLGDSVGTLLSPRGTISLDPRTNTLIINDTSQKIDQIRKMIDLLDIPVKQVMIE   451
NTDB id 1039 HON27 RS01460 WP 031993779.1     SNNSNGLQHTSGGGTSTSTNLNTGVDSLGNNVGSLLSPRGTITQDDRTNTLIINDTAQSIDQIRKMIDLLDVQVKQVMVE   459
NTDB id 1052 ABD1 RS15850 WP 001017033.1     SNNSNGLQHTSGGGTSTSTNLNTGVDSLGNNVGSLLSPRGTITQDDRTNTLIINDTAQSIDQIRKMIDLLDVQVKQVMVE   459
NTDB id 278775 C6Y50 RS09480 WP 106442740.1  TSNGGVV...........................EDRGSIAVDDRTNNIIAYQTQERLDELRRIVAQLDIPVRQVMIE   445
NTDB id 1193 PAKAF RS26665 WP 003161249.1    TSDGGQE..........................GKEGGRGSITVDDRTNSIIAYQPQERLDELRRIVSQLDIPVRQVMIE   453
consensus                                    ****  *          **    ** **  ******!!*!**!*!!!**!**** ***!**!*****!!**!*!!!*!

logo

NTDB id 1009 ACIAD RS15175 WP 004923730.1     ARIVRATTSFSKEMGVKWGILSQGINQNSNLLVGGSETTLWNLRNPDSN.....................GTYTIERPDNL   511
NTDB id 1039 HON27 RS01460 WP 031993779.1     ARIVRASTSFTKELGVKWGILSQGITNNNNLLVGGSETTLWNLREPKKD....ETT...........GGYKYTIERPDNL   524
NTDB id 1052 ABD1 RS15850 WP 001017033.1     ARIVRASTSFTKELGVKWGILSQGITNNNNLLVGGSETTLWNLREPKKD....ETT...........GGYKYTIERPDNL   524
NTDB id 278775 C6Y50 RS09480 WP 106442740.1  ARIVEANVGYDKALGVRGGGNYGK..............GNWGLYGKDGAIGVDEDTGRYGTPHTDKVGNFTLKDALAPVP   511
NTDB id 1193 PAKAF RS26665 WP 003161249.1    ARIVEANVGYDKSLGVRWGGAYHK..............GNWSGYGKDGNIGIKDEDGMNCGPIAGSCTFPTTGTSKSPSP   519
consensus                                    !!!!*!*****!**!!**!****** ** ***********!*** **       * *           * **********

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NTDB id 1009 ACIAD RS15175 WP 004923730.1     NVDLGVTTTGASSIAFGLISLSDFMLDLELSALQADGYGEVISTPKVMSADKQKAKVATGVEVPYQSTTNSAAGSTATTS   591
NTDB id 1039 HON27 RS01460 WP 031993779.1     NVDLGVSNP.AGSIAFGLISMSDFMLDLELSALQADGYGEVISTPKVMTADKQTAKVATGQQVPYQSTTNSAAGSTATTS   603
NTDB id 1052 ABD1 RS15850 WP 001017033.1     NVDLGVSNP.AGSIAFGLISMSDFMLDLELSALQADGYGEVISTPKVMTADKQTAKVATGQQVPYQSTTNSAAGSTATTS   603
NTDB id 278775 C6Y50 RS09480 WP 106442740.1  FVDLGVANST.AGIGIGYVS.DYGILDLQLSAMEKTGNGEIVSQPKVVTADKETAKILKGAEIPYQEASSSGA...TSTS   586
NTDB id 1193 PAKAF RS26665 WP 003161249.1    FVDLGAKDAT.SGIGIGFIT.DNIILDLQLSAMEKTGNGEIVSQPKVVTSDKETAKILKGSEVPYQEASSSGA...TSTS   594
consensus                                    *!!!!***  ***!**!*****!!!*!!!****!*!!**!*!!!***!!**!!***! **!!!****!*!*****!!

logo

NTDB id 1009 ACIAD RS15175 WP 004923730.1     FKEALLSLEVTPNITPDGKILMELNIANDSIN.SYAQNGEAILNKNTINTNVLVNNGETVVLGGVFEQTTNNAVTKVPFL   670
NTDB id 1039 HON27 RS01460 WP 031993779.1     FKDALLSLNVTPSITPDGKIQMKLDISKDSVA.GAAPNGELILNKNNINTNVLVDNGETVILGGVFEQTTMNSQTKVPFF   682
NTDB id 1052 ABD1 RS15850 WP 001017033.1     FKDALLSLNVTPSITPDGKIQMKLDISKDSVA.GAAPNGELILNKNNINTNVLVDNGETVILGGVFEQTTMNSQTKVPFF   682
NTDB id 278775 C6Y50 RS09480 WP 106442740.1  FKEAALSLEVTPQITPDNRIIMEVKVTKDAPDFANALNGVPPINKNEVNAKVLVTDGETIVIGGVFSNSQISSIEKVPFL   666
NTDB id 1193 PAKAF RS26665 WP 003161249.1    FKEAALSLEVTPQITPDNRIIVEVKVTKDAPDYQNMLNGVPPINKNEVNAKILVNDGETIVIGGVFSNEQSKSVEKVPFL   674
consensus                                    !!*!*!!!!*!!!*!!!!**!**** ***!**  * * !!* **!!! *!***!! *!!!***!!!!*****!!!!!!*

logo

NTDB id 1009 ACIAD RS15175 WP 004923730.1     GDLPYVGRLFKKTAKSEAKNELLIFVTPRIVNDTIVGNH.   709
NTDB id 1039 HON27 RS01460 WP 031993779.1     GDIPVVGRLFRKDVKSDDKQELLIFVTPRIVNDTLARNH.   721
NTDB id 1052 ABD1 RS15850 WP 001017033.1     GDIPVVGRLFRKDVKSDDKQELLIFVTPRIVNDTLARNH.   721
NTDB id 278775 C6Y50 RS09480 WP 106442740.1  GDVPFVGRLFRRDIVEDKKSELLVFLTPRILNYRAVAVGQ   706
NTDB id 1193 PAKAF RS26665 WP 003161249.1    GELPYLGRLFRRDTVTDRKNELLVFLTPRIMNNQAIAIGR   714
consensus                                    !**!**!!!!*******  !*!!!*!*!!!!*!*******
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X non conserved
X similar
X $\geq$ 50% conserved