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logo
NTDB id 1009 ACIAD RS15175 WP 004923730.1      MKQIIRQFSIGTVAYAIMQVASAQVAITNVVPMNIPGQGTEIRVMFNGLPPQPQAYQLEQPARLILDFDKAGQKLAKSLI   80
NTDB id 1052 ABD1 RS15850 WP 001017033.1       MNHVFRQFSMGAVAIAIMQAASAQVSMTNIVPMQIAGQGTEIRVMFNGLPPQPQAYQLENPSRLILDFDKAQQGLKQSKI   80
NTDB id 1039 HON27 RS01460 WP 031993779.1      MNHVFRQFSMGAVAIAIMQAASAQVSMTNIVPMQIAGQGTEIRVMFNGLPPQPQAYQLENPSRLILDFDKAQQGLKQSKI   80
NTDB id 1125938 PMYSY11 RS19965 WP 069898568.1 MNKPLTRLGVSLLAA.LVSPVLLAADLQNLDVASLPGGRVELKLQFDEPVAAPRGYTIEQPARIALDLPGVSNKLGSKNR   79
NTDB id 1193 PAKAF RS26665 WP 003161249.1      MNSGLSRLGIALLAA.MFAPALLAADLEKLDVAALPGDRVELKLQFDEPVAAPRGYTIEQPARIALDLPGVQNKLGTKNR   79
consensus                                      !* ******** *! **** ***** *********!***!****!******!**!**!*!**!!*******!* * *

logo
NTDB id 1009 ACIAD RS15175 WP 004923730.1      PVTTNEASSIDVSSDDKRARVVVNLKDAGAFTTRVEGNVFILKINNIQST.ATPVATSA.....................P  139
NTDB id 1052 ABD1 RS15850 WP 001017033.1       SVATNEASSVDVTSDDQRSRLTVNLKDAGAFTTRVEGNTFILKINSAQTS.NKPLPVVS......................  138
NTDB id 1039 HON27 RS01460 WP 031993779.1      SVATNEASSVDVTSDDQRSRLTVNLKDTGAFTTRVEGNTFILKINSAQTS.NKPLPVVS......................  138
NTDB id 1125938 PMYSY11 RS19965 WP 069898568.1 ELGVGNARSVTVVEANDRTRMIINLTNLAPYSTRVEGNNMYVLIGEGAGTAAAPVARAAATPAAPVVTSQPRVSAPKVYG  159
NTDB id 1193 PAKAF RS26665 WP 003161249.1      ELSVGNTRSVTVVEAKDRTRLIINLTTLSSYTTRVEGNNLFVVVGNSPAGASV..ASTAPVKASPAPASYAQPIKPKPYV  157
consensus                                       *******!**!**** !*!***!!** ****!!!!!! ****** ****    ***  *

logo
NTDB id 1009 ACIAD RS15175 WP 004923730.1      APQQGIGNIGFQRGAQGEGLVVIDLQGTNTPVDVQQQGSKVVVRFPGIKIPTHLARRLNTTDFATPVASIDSYNDGSNGV  219
NTDB id 1052 ABD1 RS15850 WP 001017033.1       AQPQGVSNIGFQRGSQGEGLVVVDLLGSNTPVDVQQQGSKVVIRTIGTKIPTHLARRLNVNDFATPVSSIDAYNDKGVGV  218
NTDB id 1039 HON27 RS01460 WP 031993779.1      AQPQGVSNIGFQRGSQGEGLVVVDLLGSNTPVDVQQQGSKVVIRTIGTKIPTHLARRLNVNDFATPVSSIDAYNDKGVGV  218
NTDB id 1125938 PMYSY11 RS19965 WP 069898568.1 AATRSIRNIDFQRGDQGEGNVVITLSDPSVSPDIQEQGGKIRLNFAKTQLAESLRVRLDVKDFATPVQFVNSSGSGDSTT  239
NTDB id 1193 PAKAF RS26665 WP 003161249.1      PAGRAIRNIDFQRGEKGEGNVVIDLSDPTLSPDIQEQGGKIRLDFAKTQLPDALRVRLDVKDFATPVQFVNASAQSDRTS  237
consensus                                      *  *** !!*!!!! *!!!*!!**! ******!*!*!!*!***** *******!**!!** !!!!!! *******   **

logo
NTDB id 1009 ACIAD RS15175 WP 004923730.1      ISIQSTGSYEYMAYQAENKLTISLKRPQDNV.RLNSKNNQNYTGKKISLDFQDIEVRRVLQLLADFTNINMVTADSVQGN  298
NTDB id 1052 ABD1 RS15850 WP 001017033.1       ITIQSSGSYEYMAYQAENKLTISLKRPQDKN.VTSLYKTPNYSGNKLSLDFQDIEVRRVLQLLADFTGINMVAADSVQGN  297
NTDB id 1039 HON27 RS01460 WP 031993779.1      ITIQSSGSYEYMAYQAENKLTISLKRPQDKN.VTSLYKTPNYSGNKLSLDFQDIEVRRVLQLLADFTGINMVAADSVQGN  297
NTDB id 1125938 PMYSY11 RS19965 WP 069898568.1 VVIEPTGFYDYLAYQTDNKLTISVKPLTQADQEKRKEDRFAYSGEKLSLNFQDIDVRSVLQLIADFTDLNLVASDTVAGN  319
NTDB id 1193 PAKAF RS26665 WP 003161249.1      ITIEPSGLYDYLVYQTDNRLTVSIKPMTTEDAERRKKDNFAYTGEKLSLNFQDIDVRSVLQLIADFTDLNLVASDTVQGN  317
consensus                                      **!***!*!*!**!!**!*!!*!*!**** *!*! !*!!*!!!!*!!*!!!!*!!!! *!*!**!*!*!!

logo
NTDB id 1009 ACIAD RS15175 WP 004923730.1      ITLHLKDVPWDQALDIILKTKNLDKRRNGNVIWIAPVSELIKSEEDEAKAIAQSTKLAPLQTEYILLKYAKAADIEKLIT  378
NTDB id 1052 ABD1 RS15850 WP 001017033.1       ITLRLKDVPWDQALDIILKTKNLDKRRNGNVIWIAPVAELIKAEEEEAKAVAQSVKLAPLQTEYIQLKYAKAGDIMGLIT  377
NTDB id 1039 HON27 RS01460 WP 031993779.1      ITLRLKDVPWDQALDIILKTKNLDKRRNGNVIWIAPVAELIKAEEEEAKAVAQSVKLAPLQTEYIQLKYAKAGDIMGLIT  377
NTDB id 1125938 PMYSY11 RS19965 WP 069898568.1 ITLRLQNVPWDQALDLVLKTKGLDKRKVGNVLLVAPADEIAARERQELESQKQIAELAPLRRELIQVNYAKASDMAKLFQ  399
NTDB id 1193 PAKAF RS26665 WP 003161249.1      ITLRLQNVPWDQALDLVLKTKGLDKRKLGNVLLVAPADEIAARERQELEAQKQIAELAPLRRELIQVNYAKAADIAKLFQ  397
consensus                                      !!!*!**!!!!!!!!**!!!!!*!!!!**!!!***!!* !*** !**!*****!* *!!!!**!*!***!!!!*!* *!**
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logo
NTDB id 1009 ACIAD RS15175 WP 004923730.1       QGRNSGTSNSN.........TNGSATVEPLGDSVGTLLSPRGTISLDPRTNTLIINDTSQKIDQIRKMIDLLDIPVKQVM   449
NTDB id 1052 ABD1 RS15850 WP 001017033.1        QGSNNSNGLQHTSGGGTSTSTNLNTGVDSLGNNVGSLLSPRGTITQDDRTNTLIINDTAQSIDQIRKMIDLLDVQVKQVM   457
NTDB id 1039 HON27 RS01460 WP 031993779.1       QGSNNSNGLQHTSGGGTSTSTNLNTGVDSLGNNVGSLLSPRGTITQDDRTNTLIINDTAQSIDQIRKMIDLLDVQVKQVM   457
NTDB id 1125938 PMYSY11 RS19965 WP 069898568.1 SVTSADG............................SVDERGSITVDDRTNSIIAYQTQTRLDELRRIVTQLDVAVRQVM   450
NTDB id 1193 PAKAF RS26665 WP 003161249.1      SVTSDGGQ..........................EGKEGGRGSITVDDRTNSIIAYQPQERLDELRRIVSQLDIPVRQVM   451
consensus                                       ****                **    ** **  ***********!!*!**!*!!!**!**** ***!**!*****!!* !*!!!

logo
NTDB id 1009 ACIAD RS15175 WP 004923730.1       IEARIVRATTSFSKEMGVKWGILSQGINQNSNLLVGGSETTLWNLRNPDSN..................GTYTIE...RPD   509
NTDB id 1052 ABD1 RS15850 WP 001017033.1        VEARIVRASTSFTKELGVKWGILSQGITNNNNLLVGGSETTLWNLREPKKDET............TGGYKYTIE...RPD   522
NTDB id 1039 HON27 RS01460 WP 031993779.1       VEARIVRASTSFTKELGVKWGILSQGITNNNNLLVGGSETTLWNLREPKKDET............TGGYKYTIE...RPD   522
NTDB id 1125938 PMYSY11 RS19965 WP 069898568.1 IEARIVEASVDYDKSLGVRWGGAKVI.........GGG...KWNIYGNDDQGDEAGNTG...............DDVGLN   503
NTDB id 1193 PAKAF RS26665 WP 003161249.1      IEARIVEANVGYDKSLGVRWGGAYH...........KG...NWSGYGKDGNIGIKDEDGMNCGPIAGSCTFPTTGTSKSP   517
consensus                                       *!!!!!*!*****!**!!*!!****** ** ***********!*** ** *              *   ****   ***

logo
NTDB id 1009 ACIAD RS15175 WP 004923730.1       NLNVDLGVTTTGASSIAFGLISLSDFMLDLELSALQADGYGEVISTPKVMSADKQKAKVATGVEVPYQSTTNSAAGSTAT   589
NTDB id 1052 ABD1 RS15850 WP 001017033.1        NLNVDLGVSNP.AGSIAFGLISMSDFMLDLELSALQADGYGEVISTPKVMTADKQTAKVATGQQVPYQSTTNSAAGSTAT   601
NTDB id 1039 HON27 RS01460 WP 031993779.1       NLNVDLGVSNP.AGSIAFGLISMSDFMLDLELSALQADGYGEVISTPKVMTADKQTAKVATGQQVPYQSTTNSAAGSTAT   601
NTDB id 1125938 PMYSY11 RS19965 WP 069898568.1 VPFVDLGVANR.TAGLGIGFIT.DNTILDLELTAMEKTGNGEVVSQPKVVTSDKETARILKGSEIPYQEASSSGA...TT   578
NTDB id 1193 PAKAF RS26665 WP 003161249.1      SPFVDLGAKDA.TSGIGIGFIT.DNIILDLQLSAMEKTGNGEIVSQPKVVTSDKETAKILKGSEVPYQEASSSGA...TS   592
consensus                                       ***!!!!***  ******!*!******!!!*!*!****!*!!**!*!!!***!!**!****! **!!!****!*!*****

logo
NTDB id 1009 ACIAD RS15175 WP 004923730.1       TSFKEALLSLEVTPNITPDGKILMELNIANDSINS.YAQNGEAILNKNTINTNVLVNNGETVVLGGVFEQTTNNAVTKVP   668
NTDB id 1052 ABD1 RS15850 WP 001017033.1        TSFKDALLSLNVTPSITPDGKIQMKLDISKDSVAG.AAPNGELILNKNNINTNVLVDNGETVILGGVFEQTTMNSQTKVP   680
NTDB id 1039 HON27 RS01460 WP 031993779.1       TSFKDALLSLNVTPSITPDGKIQMKLDISKDSVAG.AAPNGELILNKNNINTNVLVDNGETVILGGVFEQTTMNSQTKVP   680
NTDB id 1125938 PMYSY11 RS19965 WP 069898568.1 TQFVEAALSLEVTPQITPDNRIIMEVKVNKDEADFANQVNGTPTIRKNEVVAKVLVSDGETIVIGGVFSNTQRKAVEKVP   658
NTDB id 1193 PAKAF RS26665 WP 003161249.1      TSFKEAALSLEVTPQITPDNRIIVEVKVTKDAPDYQNMLNGVPPINKNEVNAKILVNDGETIVIGGVFSNEQSKSVEKVP   672
consensus                                       !*!**!*!!!*!!!*!!!!**!**** ***!**    * !!* ***!! *****!! *!!!***!!!!**** ****!!!

logo
NTDB id 1009 ACIAD RS15175 WP 004923730.1       FLGDLPYVGRLFKKTAKSEAKNELLIFVTPRIVNDTIVGNH.   709
NTDB id 1052 ABD1 RS15850 WP 001017033.1        FFGDIPVVGRLFRKDVKSDDKQELLIFVTPRIVNDTLARNH.   721
NTDB id 1039 HON27 RS01460 WP 031993779.1       FFGDIPVVGRLFRKDVKSDDKQELLIFVTPRIVNDTLARNH.   721
NTDB id 1125938 PMYSY11 RS19965 WP 069898568.1 FLGDVPYVGRLFRRDIVQDSKSELLIFLTPRIMNTQAVAVGR   700
NTDB id 1193 PAKAF RS26665 WP 003161249.1      FLGELPYLGRLFRRDTVTDRKNELLVFLTPRIMNNQAIAIGR   714
consensus                                       !*!**!**!!!!******* !*!!!*!*!!!!*!*******
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X non conserved
X similar
X $\geq$ 50% conserved