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logo
NTDB id 193526 BEN76 RS11595 WP 076033112.1  MKNKKSKRFNPLLGTATPQHHRMLCTAMMSVSLIIACNAQASDVEVYHQGAQFDKRLMLMVDQSRTMGGAGALDLLKEYP   80
NTDB id 1008 ACIAD RS15010 WP 004923840.1    MKKSIYTQYLNSLYLVLQHKFSIFSISVFSCMLIMTSVVQASDVEVYQQGAQFDKRLMLMVDQSRSMGGAGALDLLKEYP   80
consensus                                    !!       * * !    **** * *  * !* !!* *  !!!!!!!!*!!!!!!!!!!!!!!!!!!*!!!!!!!!!!!!!!

logo
NTDB id 193526 BEN76 RS11595 WP 076033112.1  ICVGKGVSNILGSGGGLGLLGDKDALELVTNTVGAVDQVALQGLLGGSLDPLLKITTESPSSKYNYARNYCTVVTTDLVV  160
NTDB id 1008 ACIAD RS15010 WP 004923840.1    ICVGKGVSNVLGSGGGLGILGDKDALELVTDTVGAVDQVVLQGLLGGSLDPLLKITTESPSSKYNYARNYCTVVTTDLVV  160
consensus                                    !!!!!!!!!*!!!!!!!!*!!!!!!!!!!!! !!!!!!!! !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

logo
NTDB id 193526 BEN76 RS11595 WP 076033112.1  KTLDGLLKPLLGATGLDAKSYIENTCDFQANVKLLNSVSAVGVYRCYDKLSRVKNALTDVLLGNSSTGLKPLPDNVSVGI  240
NTDB id 1008 ACIAD RS15010 WP 004923840.1    KTLDGLLKPLLGATGLDAKSYIENTCDFQANIQLLNSVSVVGVYRCYDKLSRVKNALTDVLLGNDKTGLKPLPDNVSVGL  240
consensus                                    !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!* !!!!!! !!!!!!!!!!!!!!!!!!!!!!!!  !!!!!!!!!!!!!*

logo
NTDB id 193526 BEN76 RS11595 WP 076033112.1  SVMPVDVMTNDRAGRILAPACKLSTTRASDINFRCFEKTYTGSATTYRNYLVEKIAGNIQSKGDFNLQNVLVIVPKLIAA  320
NTDB id 1008 ACIAD RS15010 WP 004923840.1    SAMPVDIMTKDRAGRILAPACKLSTTKASDTSNQCFEKGYAGSATTYRGYLVEKVANGIQSKGEFNLQNILLIVPKLVAA  320
consensus                                    ! !!!!*!! !!!!!!!!!!!!!!!!*!!!   !!!! ! !!!!!!! !!!!!*!  !!!!!*!!!!!*!*!!!!!*!!

logo
NTDB id 193526 BEN76 RS11595 WP 076033112.1  LVGDIFSKLWSILSDPLKGLSELLEFKGTASTVNDLLKTLGLAGNVPTASTYAETGAYLMGTTTKGTGARQMALEVDILQ  400
NTDB id 1008 ACIAD RS15010 WP 004923840.1    LVGDVFNKLIGILTNPIRGLTDLLEFENTANVINDLLKTLGLSGNIPTASTYAETGAYLLGTSTKGTGARQIAMRIIPVK  400
consensus                                    !!!!*! !!  !!* !**!!**!!!!  !!  *!!!!!!!!!! !!*!!!!!!!!!!!!!*!!*!!!!!!!!*!* * **

logo
NTDB id 193526 BEN76 RS11595 WP 076033112.1  LLGLGLL.TKRYNCDAYGTNDDRNWEADG.TCKQNAWNYKWLGIGYTRDSSWIVVSNDLVSGLLGDNLLTN....IVGVV  474
NTDB id 1008 ACIAD RS15010 WP 004923840.1    ILFIPLLGWYDYKCDKYGKD...SWQADGVTCKDDAWQYKLGGISTT...NLIQVNDDLVSSLISDGVVGGLLNGVVGNI  474
consensus                                    *! **!!*   ! !! !!  *** ! !!!*!!!  !!*!!  !!  !***  ! !  !!!! !* ! **  *****!! *

logo
NTDB id 193526 BEN76 RS11595 WP 076033112.1  ..AKINSRTLYYGYHAQQDSEYSGFSNSVD..ASKRSTTFYRAPTDTPQCNANGIMVITGGVPNITPTVTDALLK.QGAE  549
NTDB id 1008 ACIAD RS15010 WP 004923840.1    LGIKVSEKHLYYGYDSQADIEYSGFNYRDNSVPTRNNNQFYQAPANQPQCNASGIMVITGGVPNITPTTTDVLLQPSGKE  554
consensus                                    ** !*  **!!!!!* ! ! !!!!!     *****    !! !!   !!!!! !!!!!!!!!!!!!!! !! !! * ! !
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logo
NTDB id 193526 BEN76 RS11595 WP 076033112.1  GLGTQNAIERLMGRSLNTSATDLSKLDLSNVFQCDASAGLKSTTLSSRDYATWSCIGNYTKKLLDKNITTGVIGVGREFT   629
NTDB id 1008 ACIAD RS15010 WP 004923840.1    GLGTKNAIERLMGRSLDTQATDLSRLDLQSVFQCDESAGLKSTTLSSRDYATWSCIGNYSKKLLDKNVSTGVIGVGREFI   634
consensus                                    !!!! !!!!!!!!!!! ! !!!!!*!!!  !!!!! !!!!!!!!!!!!!!!!!!!!!!!!*!!!!!!!**!!!!!!!!!!!

logo
NTDB id 193526 BEN76 RS11595 WP 076033112.1  TIPSTTDSAQLEASMTGVNNSLLGQIVPNLLKDTLNVLLGGTLVNGLTSLLGNVFPTDAEDVKNLARWGVLGKGGWYNSA   709
NTDB id 1008 ACIAD RS15010 WP 004923840.1    TIPSTKDSAQLEASMSNLNNSLLGQTVPNLVKDTLNVLLGGPLVNGLTNLLGNLFPTDAEDVKNLARWGVLGKGGWYNSA   714
consensus                                    !!!!! !!!!!!!!!!* *!!!!!!! !!!!*!!!!!!!!!!*!!!!!! !!!!*!!!!!!!!!!!!!!!!!!!!!!!!!!

logo
NTDB id 193526 BEN76 RS11595 WP 076033112.1  SSENIANSIYNFYANLGISNRETFLGVPVVPTDPLTPYNLDNYVFQNMFVPDDKQTWFGNVKKYLADTGETIQTKTITDV   789
NTDB id 1008 ACIAD RS15010 WP 004923840.1    SSENIANSVYSFYSDLGVTKRETFLGAPVIPTDPLTPYNLNNYVFQNMFVPDDKQTWFGNVKKYMTDTGETIQTKTFQDV   794
consensus                                    !!!!!!!!*! !!   !!** !!!!!! !!*!!!!!!!!!! !!!!!!!!!!!!!!!!!!!!!!!!* !!!!!!!!!!   !!

logo
NTDB id 193526 BEN76 RS11595 WP 076033112.1  WSNSNIQSTKTSILTGGFADKLPTATSSSASSRQLYVNRACITKDKKYDVSASIGLIGNDYYTKLCESQSKDPRRSDLMN   869
NTDB id 1008 ACIAD RS15010 WP 004923840.1    WSNQNIDQ..TNILSGGVIDKLPIASGNNASTRQLYINRTCDTKAKKYDVSNAISAVGNNYYTQLCAGQTTDPRRNDLMN   872
consensus                                    !!! !!  **! !!*!!  !!!! !*   !!*!!!!*!! ! !! !!!!!!  !  *!! !!! !!  !* !!!! !!!!

logo
NTDB id 193526 BEN76 RS11595 WP 076033112.1  LLGYQIQTTNNQESLIAKPEYKKVGMVLHSSPIKITQSATIKNDGSLTRDDYLVFGTVQGLLHVVNASTGVEKFAFLPNE   949
NTDB id 1008 ACIAD RS15010 WP 004923840.1    LLGYQIQSVNNQETLVAKPEYRKIGMVLHSTPIKITQSATVKDDGSLTRDDYLVFGSAEGLLHVVNADTGVEKLAFLPNE   952
consensus                                    !!!!!!!* !!!!*!*!!!!!*!*!!!!!!*!!!!!!!!!*! !!!!!!!!!!!!!!*  !!!!!!!! !!!!! !!!!!!

logo
NTDB id 193526 BEN76 RS11595 WP 076033112.1  LLENAKQRKAFTGTNLEGHDNFNNMQYGIDAPWTAYSEYVWNTKDGKLTVGKSATDATCIKDGVSTGACGKQYLYGGLRM   1029
NTDB id 1008 ACIAD RS15010 WP 004923840.1    MLENSKQRKAFTGNGLEGHDSFSNMQYGVDGPWTAYTEYVWNSKDNKLTVGKSTTDAVCIKDGVFTGACGKQYLYGGLRM   1032
consensus                                    *!!!  !!!!!!!!   !!!!! ! !!!!!*!*!!!!!*!!!!!*!! !!!!!!! !!!  !!!!!! !!!!!!!!!!!!!!!

logo
NTDB id 193526 BEN76 RS11595 WP 076033112.1  GGRSYYALDLSLWDDQTKPSLKFYIDPASGKVYSSTTPEGKSFDAIKYMGQSWSKPTVAWVNWQGKRKLVIFVGGGYDAG   1109
NTDB id 1008 ACIAD RS15010 WP 004923840.1    GGRSYYALDLN...DLAAPKLKFYIDPASGRVYSDAYPGGKSFDAIKNMGQSWSKPTIAWINWQGKRKLVMFVGGGYDAG   1109
consensus                                    !!!!!!!!!!! ***!   ! !!!!!!!!!!*!!!   ! !!!!!!!! !!!!!!!!!!*!!*!!!!!!!!!!*!!!!!!!!
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logo
NTDB id 193526 BEN76 RS11595 WP 076033112.1  GNDGNANNGGYEQVSYAQSNKIGSGVYMFDAENGDLLWWASNLATTANTGATMALKTNMQYSVVSRINAVDRNGDGLVDH  1189
NTDB id 1008 ACIAD RS15010 WP 004923840.1    GTDGNSNNGGYELANYNQTNKRGAGVYMFDAENGDLLWWANNLATTSNDVSNSALNTNMQFSVVGRINTVDRDGDGLIDH  1189
consensus                                    ! !!! !!!!!!   ! !*!! ! !!!!!!!!!!!!!!!! !!!!! !     !! !!!!*!!! !!! !!! !!!!*!!

logo
NTDB id 193526 BEN76 RS11595 WP 076033112.1  LYFGDLGGQLWRVDINNGSNPQQFAQAAQLLDLQNNKPSDLTDANLRFYEAPIFSVYGYGANSLAVLSIATTNRSLPISD  1269
NTDB id 1008 ACIAD RS15010 WP 004923840.1    LYFGDLGGQLWRVDINNRVDAKQFASAALLLDLQSNRPTDLKDTNVRFYEAPVFSIYGYGSESLAVLSIASSNRSLPISD  1269
consensus                                    !!!!!!!!!!!!!!!!!   * !!! !! !!!!! !*!*!! ! !*!!!!!!*!!*!!!!  !!!!!!!!**!!!!!!!!

logo
NTDB id 193526 BEN76 RS11595 WP 076033112.1  QSAGVVFNLFDNDVTQVSFSTRDMAANNKNLVAYAQLPKYGELTMVNRPQYGWYAKLSNQQKVMDEPVVINKNLYVSIFD  1349
NTDB id 1008 ACIAD RS15010 WP 004923840.1    KSAGAIFNIFDKDVTQVSFTTRDTYTDNKNLVAYSQLPKWGALTNENKPQYGWYVKLIDQQKVMDETAVINKSLYVSIYD  1349
consensus                                     !!! *!!*!! !!!!!!!*!!!    !!!!!!! !!!!*! !!  !*!!!!!! !!  !!!!!!!* !!!! !!!!!*!

logo
NTDB id 193526 BEN76 RS11595 WP 076033112.1  PIAQEGRVADCSIGVQGLSSVRRFCLPYGVCEKSADLTTTLKLGKGILPVTIGAGTTSNGVTTRQILGGSSTDRDSTKDV  1429
NTDB id 1008 ACIAD RS15010 WP 004923840.1    PIAQDGRVADCSIGIQGLSSIRRYCLPYGVCEKQTDLSGMLKLGKGILPVTIGSGSTDNK.STRQLIGGFSKDERTNAAN  1428
consensus                                    !!!!*!!!!!!!!!!*!!!!!*!!*!!!!!!!!!  !!*  !!!!!!!!!!!!! !*! ! **!!!**!! ! !  *

logo
NTDB id 193526 BEN76 RS11595 WP 076033112.1  LSSTQTTRRQIVPLKWYEQYTP  1451
NTDB id 1008 ACIAD RS15010 WP 004923840.1    VLGQNTLRRQIVPLKWYEQSTP  1450
consensus                                    *   *! !!!!!!!!!!!! !!
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X non conserved

X similar

X $\geq$ 50% conserved