```
logo

NTDB id 1099369 ACM660 RS00915 WP 004802007.1  MKKVLNGIHSFHALGLKKQLIAAAICAGLGMS.INFAHAASPNVSPPSVKVGAPHVYVVKKGDTLWDISGKFLSKPWRWP   79
NTDB id 1053 ABD1 RS00870 WP 000755276.1       MKKVFNGMVNFHALGIKKHLLALALCTGVAIGTIAEVHATSPNHNPPSLKSNAPNVYVVKRGDTLWDISGHFLNKPWRWP   80
consensus                                      !!!! !!** !!!!!*!!*!*! !*! !*** *!   !! !!!* !!!*!  !!*!!!!!*!!!!!!!!!*!! !!!!!!

logo

NTDB id 1099369 ACM660 RS00915 WP 004802007.1  EIWASNKHVKNPHWIYPGDRLLLCSLNGKPLIGKDEGDGCDGIIRRYTGNTSNLRPQVRVEALNNSVPVIPLAHIQQWLE   159
NTDB id 1053 ABD1 RS00870 WP 000755276.1       EIWASNQHVKNPHWIYPGDRLLLCSLDGRPLVGKDEGDGCVGIIRRYTGQTTHLQPQVRVEALNNSVPVIPLEHIKQWLE   160
consensus                                      !!!!!! !!!!!!!!!!!!!!!!!!! !*!!*!!!!!!!! !!!!!!!!*!**! !!!!!!!!!!!!!!!!! !! !!!!

logo

NTDB id 1099369 ACM660 RS00915 WP 004802007.1  RTSVLPADAIANTPYILGTADNRVLAGKGQSVYVRGKGLENGQRYGVFREGEPYIVLDQNGKKQNLGVELTQVASAVAIR   239
NTDB id 1053 ABD1 RS00870 WP 000755276.1       NSTILPADSITNTPYIVGTADQRVLAGKGQTIYARGQGLINGQRYAVYREGEPYYFTDNKGKKHSLGIELLQVASGVAVS   240
consensus                                       ***!!!! ! !!!!!*!!!!*!!!!!!!!**! !! !! !!!!!*!*!!!!!!   !* !!!* !!*!! !!!!*!!*

logo

NTDB id 1099369 ACM660 RS00915 WP 004802007.1  NENDITTVELTDSYNGEVRRGDRVMAEQDAMLPTLFYPIDANQVKDGGKIIRVMGSIGTAAKNGVVTVDRGTADGVEIGQ   319
NTDB id 1053 ABD1 RS00870 WP 000755276.1       SEKDITTLELTDSYNAEVRRGDRVMPEEQATLPTLFYPVDAKQVTDGGKIIRVMGSIGRAAKNSVVTLDRGTTQGIQVGQ   320
consensus                                       ! !!!!*!!!!!!!*!!!!!!!!!*!  ! !!!!!!!*!! !! !!!!!!!!!!!!!! !!!! !!!*!!!!  !* *!!

logo

NTDB id 1099369 ACM660 RS00915 WP 004802007.1  VFSVYQDGEVVRDPKTKEKVKLPGQYLGSAMIFKSFDRISYAYILESELPIKLGSDIKPPRLDD   383
NTDB id 1053 ABD1 RS00870 WP 000755276.1       VFDITQQGESIRDPKTKEVIQLPGQQIGSLMVFRTFDQLSYAYVLESDLPIKVGSSIQSPQFND   384
consensus                                      !! * ! !! *!!!!!!! * !!!! *!! !*!**!! *!!!!*!!!*!!!!*!! ! *!   !
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X non conserved

X similar

X $\geq$ 50% conserved