```
logo
NTDB id 173430 AS588 RS10180 WP 015388464.1  MQIPKPKDSIWTDDQWSAIVSSGRDILVAAAAGSGKTAVLVERMIRKITAEEDPVDVDRLLVVTFTNASAAEMKHRIAEA   80
NTDB id 119 BSU 10630 NP 388944.2            MNIPKPADSTWTDDQWNAIVSTGQDILVAAAAGSGKTAVLVERMIRKITAEENPIDVDRLLVVTFTNASAAEMKHRIAEA   80
consensus                                    !*!!!! !! !!!!!! !!!!*! !!!!!!!!!!!!!!!!!!!!!!!!!!!! !*!!!!!!!!!!!!!!!!!!!!!!!!!!

logo
NTDB id 173430 AS588 RS10180 WP 015388464.1  LEKELAKNPGSLHIRRQLSLLNRASISTLHSFCLQVLKKYYYMIDLDPGFRMADQTEGELLGDEVLDELFEDEYAKGNQA  160
NTDB id 119 BSU 10630 NP 388944.2            LEKELVQRPGSLHIRRQLSLLNRASISTLHSFCLQVLKKYYYLIDLDPGFRIADQTEGELIGDEVLDELFEDEYAKGEKA  160
consensus                                    !!!!!   !!!!!!!!!!!!!!!!!!!!
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logo
NTDB id 173430 AS588 RS10180 WP 015388464.1  KLVSSPFKVYDGKTKTHRNIQYRDIVILLRSMPWAPQLMEELKNQGIPVYANLTSGYFEAVEVAAALSVLKVIDNPYQDI   640
NTDB id 119 BSU 10630 NP 388944.2            KLISSPFKVYDGKKKTHRNIQYRDIVILLRSMPWAPQIMEELRAQGIPVYANLTSGYFEAVEVAVALSVLKVIDNPYQDI   640
consensus                                    !!*!!!!!!!!!! !!!!!!!!!!!!!!!!!!!!!!!*!!!!* !!!!!!!!!!!!!!!!!!!! !!!!!!!!!!!!!!!!

logo
NTDB id 173430 AS588 RS10180 WP 015388464.1  PLASVLRSPIVGCDENELALIRLEKKKAPFYEALKAYIANADRHDELYQKLRTFYDSLQKWRSFSTNHSVSELIWEVYRD   720
NTDB id 119 BSU 10630 NP 388944.2            PLASVLRSPIVGADENELSLIRLENKKAPYYEAMKDYLAAGDRSDELYQKLNTFYGHLQKWRAFSKNHSVSELIWEVYRD   720
consensus                                    !!!!!!!!!!!!*!!!!! !!!!! !!!!*!!!*! !*! *!!*!!!!!!! !!! *!!!!! !! !!!!!!!!!!!!!!

logo
NTDB id 173430 AS588 RS10180 WP 015388464.1  TGYFDYAGGMPGGKQRQANLRVLYDRARSYESTAFRGLFRFLRFIERMQERGDDLGTARALSEQEDVVRLMTIHSSKGLE   800
NTDB id 119 BSU 10630 NP 388944.2            TKYMDYVGGMPGGKQRQANLRVLYDRARQYESTAFRGLFRFLRFIERMQERGDDLGTARALSEQEDVVRLMTIHSSKGLE   800
consensus                                    ! ! !! !!!!!!!!!!!!!!!!!!!!! !! !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

logo
NTDB id 173430 AS588 RS10180 WP 015388464.1  FPVVFTAGLGRSFNMMDLNKSYLLDKELGFGTKYIHPELRISYPTLPLVAMKKKMRRELLSEELRVLYVALTRAKEKLFL   880
NTDB id 119 BSU 10630 NP 388944.2            FPVVFVAGLGRNFNMMDLNKSYLLDKELGFGTKYIHPQLRISYPTLPLIAMKKKMRRELLSEELRVLYVALTRAKEKLFL   880
consensus                                    !!!!! !!!!! !!!!!!!!!!!!!!!!!!!!!!!!! !!!!!!!!!!*!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

logo
NTDB id 173430 AS588 RS10180 WP 015388464.1  VGSCKNREKQLAKWQAQADRADWLLSEFDRYQASSYLDFIGPALIRHRDMEAHRTPGLSSTEDILRDPSRFHIRMLQQSE   960
NTDB id 119 BSU 10630 NP 388944.2            IGSCKDHQKQLAKWQASASQTDWLLPEFDRYQARTYLDFIGPALARHRDLGD..LAGVPAHADISGHPARFAVQMIHSYD   958
consensus                                    *!!!! * !!!!!!!! !   !!!!*!!!!!!! *!!!!!!!!! !!!!*  ** *!** * !!  *! !!** !**   *

logo
NTDB id 173430 AS588 RS10180 WP 015388464.1  LLEENPKERAEEKSKRLKAIQQGEPIPGSFSFDDQARRLLEWEYPYRELTAIRTKQSVSELKRKQEYEDEYSGRSLIKPS   1040
NTDB id 119 BSU 10630 NP 388944.2            LLDDDLEERMEEKSERLEAIRRGEPVPGSFAFDEKAREQLSWTYPHQEVTQIRTKQSVSEIKRKREYEDEYSGRAPVKPA   1038
consensus                                    !!** * !! !!!! !! !!  !!!*!!!! !!* !!  ! ! !!* !*! !!!!!!!!*!!! !!!!!!!! **!!

logo
NTDB id 173430 AS588 RS10180 WP 015388464.1  GDTLLYRRPGFMMKKGLTAAEKGTAMHTVMQHIPLTHIPTAEEAERTVRMLYEKELLTEEQQEAIDIEEIVRFFGTEIGK   1120
NTDB id 119 BSU 10630 NP 388944.2            DGSILYRRPAFMMKKGLTAAEKGTAMHTVMQHIPLSHVPSIEEAEQTVHRLYEKELLTEEQKDAIDIEEIVQFFHTEIGG   1118
consensus                                      **!!!!!*!!!!!!!!!!!!!!!!!!!!!!!!!*!*!* !!!! !!* !!!!!!!!!!! *!!!!!!!! !!*!!!!
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logo
NTDB id 173430 AS588 RS10180 WP 015388464.1  DLLGALRIDREVPFSMALPAGEVYKDAETAGEPLLVQGIIDCLYETADGLYLLDYKTDRIEGKFRNGFEGAAPILQKRYE  1200
NTDB id 119 BSU 10630 NP 388944.2            QLIGAKWKDREIPFSLALPAKEIYPDAHEADEPLLVQGIIDCLYETEDGLYLLDYKSDRIEGKFQHGFEGAAPILKKRYE  1198
consensus                                     !*!!   !!!*!!!*!!!! !*!*!!* ! !!!!!!!!!!!!!!! !!!!!!!!!!*!!!!!!! *!!!!!!!!!! !!!!
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logo
NTDB id 173430 AS588 RS10180 WP 015388464.1  TQIELYTKAVEQITKTKVKGRALYFFDGGHVLTL  1234
NTDB id 119 BSU 10630 NP 388944.2            TQIQLYTKAVEQIAKTKVKGCALYFFDGGHILTL  1232
consensus                                    !!! !!!!!!!!! !!!!!!!*!!!!!!!!!!*!!!
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X non conserved

X similar

X $\geq$ 50% conserved