```
logo
NTDB id 396209 GG619 RS05345 WP 156240543.1  MQIPKPKDSIWTDDQWSAIVSSGRDILVAAAAGSGKTAVLVERMIRKITAEEDPVDVDRLLVVTFTNASAAEMKHRIAEA   80
NTDB id 119 BSU 10630 NP 388944.2            MNIPKPADSTWTDDQWNAIVSTGQDILVAAAAGSGKTAVLVERMIRKITAEENPIDVDRLLVVTFTNASAAEMKHRIAEA   80
consensus                                    !*!!!! !! !!!!!! !!!!*! !!!!!!!!!!!!!!!!!!!!!!!!!!!! !*!!!!!!!!!!!!!!!!!!!!!!!!!!

logo
NTDB id 396209 GG619 RS05345 WP 156240543.1  LEKELAKNPGSLHIRRQLSLLNRASISTLHSFCLQVLKKYYYMIDLDPGFRMADQTEGELLGDEVLDELFEDEYAKGNQA  160
NTDB id 119 BSU 10630 NP 388944.2            LEKELVQRPGSLHIRRQLSLLNRASISTLHSFCLQVLKKYYYLIDLDPGFRIADQTEGELIGDEVLDELFEDEYAKGEKA  160
consensus                                    !!!!!   !!!!!!!!!!!!!!!!!!!!
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logo
NTDB id 396209 GG619 RS05345 WP 156240543.1  KLVSSPFKVYDGKTKTHRNIQYRDIVILLRSMPWAPQLMEELKNQGIPVYANLTSGYFEAVEVAAALSVLKVIDNPYQDI  640
NTDB id 119 BSU 10630 NP 388944.2            KLISSPFKVYDGKKKTHRNIQYRDIVILLRSMPWAPQIMEELRAQGIPVYANLTSGYFEAVEVAVALSVLKVIDNPYQDI  640
consensus                                    !!*!!!!!!!!!! !!!!!!!!!!!!!!!!!!!!!!*!!!!* !!!!!!!!!!!!!!!!!!!! !!!!!!!!!!!!!!!

logo
NTDB id 396209 GG619 RS05345 WP 156240543.1  PLASVLRSPIVGCDENELALIRLEKKKAPFYEALKAYIANADRHDDLYQKLRTFYDSLQKWRSFSTNHSVSELIWEVYRD  720
NTDB id 119 BSU 10630 NP 388944.2            PLASVLRSPIVGADENELSLIRLENKKAPYYEAMKDYLAAGDRSDELYQKLNTFYGHLQKWRAFSKNHSVSELIWEVYRD  720
consensus                                    !!!!!!!!!!!!*!!!!! !!!!! !!!!*!!!*! !*! *!!*!*!!!!! !!! *!!!!! !! !!!!!!!!!!!!!!

logo
NTDB id 396209 GG619 RS05345 WP 156240543.1  TGYFDYAGGMPGGKQRQANLRVLYDRARSYESTAFRGLFRFLRFIERMQERGDDLGTARALSEQEDVVRLMTIHSSKGLE  800
NTDB id 119 BSU 10630 NP 388944.2            TKYMDYVGGMPGGKQRQANLRVLYDRARQYESTAFRGLFRFLRFIERMQERGDDLGTARALSEQEDVVRLMTIHSSKGLE  800
consensus                                    !  !  !! !!!!!!!!!!!!!!!!!!!!!! !! !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

logo
NTDB id 396209 GG619 RS05345 WP 156240543.1  FPVVFTAGLGRSFNMMDLNKSYLLDKELGFGTKYIYPELRISYPTLPLVAMKKKMRRELLSEELRVLYVALTRAKEKLFL  880
NTDB id 119 BSU 10630 NP 388944.2            FPVVFVAGLGRNFNMMDLNKSYLLDKELGFGTKYIHPQLRISYPTLPLIAMKKKMRRELLSEELRVLYVALTRAKEKLFL  880
consensus                                    !!!!! !!!!! !!!!!!!!!!!!!!!!!!!!!!*! !!!!!!!!!!*!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

logo
NTDB id 396209 GG619 RS05345 WP 156240543.1  VGSCKNREKQLAKWQAQADRPDWLLSEFDRYQASSYLDFIGPALIRHRDMEAHRTPGLSSSEDIARDPSRFHIRMLQQSE  960
NTDB id 119 BSU 10630 NP 388944.2            IGSCKDHQKQLAKWQASASQTDWLLPEFDRYQARTYLDFIGPALARHRDLGD..LAGVPAHADISGHPARFAVQMIHSYD  958
consensus                                    *!!!! * !!!!!!!! !  *!!!!*!!!!!!! *!!!!!!!!! !!!!*  ** *!** * !!  *! !!** !**  *

logo
NTDB id 396209 GG619 RS05345 WP 156240543.1  LLEENPKERAEEKSKRLKAIQQGEPIPDSFSFDDQARRLLEWEYPYRELTAIRTKQSVSELKRKQEYEDEYSGRSLIKPS  1040
NTDB id 119 BSU 10630 NP 388944.2            LLDDDLEERMEEKSERLEAIRRGEPVPGSFAFDEKAREQLSWTYPHQEVTQIRTKQSVSEIKRKREYEDEYSGRAPVKPA  1038
consensus                                    !!** * !! !!!! !! !!  !!!*! !! !!* !!  ! ! !!* !*! !!!!!!!!!*!!! !!!!!!!!! **!!

logo
NTDB id 396209 GG619 RS05345 WP 156240543.1  GDTLLYRRPGFMMKKGLTAAEKGTAMHTVMQHIPLTHVPTAEEAERTVRMLYEKELLTEEQQEAIDIEEIVQFFGTEIGK  1120
NTDB id 119 BSU 10630 NP 388944.2            DGSILYRRPAFMMKKGLTAAEKGTAMHTVMQHIPLSHVPSIEEAEQTVHRLYEKELLTEEQKDAIDIEEIVQFFHTEIGG  1118
consensus                                      **!!!!!*!!!!!!!!!!!!!!!!!!!!!!!!!!*!!!* !!!! !!* !!!!!!!!!!! *!!!!!!!!!!!*!!!!
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logo
NTDB id 396209 GG619 RS05345 WP 156240543.1  DLLGALRIDREVPFSMALPAGEVYKDAETAGEPLLVQGIIDCLYETADGLYLLDYKTDRIEGKFRNGFEGAAPILQKRYE  1200
NTDB id 119 BSU 10630 NP 388944.2            QLIGAKWKDREIPFSLALPAKEIYPDAHEADEPLLVQGIIDCLYETEDGLYLLDYKSDRIEGKFQHGFEGAAPILKKRYE  1198
consensus                                     !*!!   !!!*!!!*!!!! !*!*!!* ! !!!!!!!!!!!!!!! !!!!!!!!!!*!!!!!!! *!!!!!!!!!! !!!!

logo
NTDB id 396209 GG619 RS05345 WP 156240543.1  TQIELYTKAVEQITKTKVKGRALYFFDGGHVLTL  1234
NTDB id 119 BSU 10630 NP 388944.2            TQIQLYTKAVEQIAKTKVKGCALYFFDGGHILTL  1232
consensus                                    !!! !!!!!!!!! !!!!!!!*!!!!!!!!!!*!!!
```

X non conserved

X similar

X $\geq$ 50% conserved