```
logo                                    MNIPKPADSTWTDDQWNAIVSTGQDILVAAAAGSGKTAVLVERMIRKITAEENPIDVDRLLWTFTNASAAEMKHRIAEALEKELVQRPG
NTDB id 558 61092..61127( ) (comS)      ......................................................................................    0
NTDB id 119 BSU 10630 NP 388944.2       MNIPKPADSTWTDDQWNAIVSTGQDILVAAAAGSGKTAVLVERMIRKITAEENPIDVDRLLVTFTNASAAEMKHRIAEALEKELVQRPG   90
consensus                               ******************************************************************************************

logo                                    SLHIRRQLSLLNRASISTLHSFCLQVLKKYYYLIDLDPGFRIADQTEGELIGDEVLDELFEDEYAKGEKAFFELVDRYTTDRHDLDLQFL
NTDB id 558 61092..61127( ) (comS)      ......................................................................................    0
NTDB id 119 BSU 10630 NP 388944.2       SLHIRRQLSLLNRASISTLHSFCLQVLKKYYYLIDLDPGFRIADQTEGELIGDEVLDELFEDEYAKGEKAFFELVDRYTTDRHDLDLQFL  180
consensus                               ******************************************************************************************

logo                                    VKQVYEYSRSHPNPEAWLESFVHLYDVSEKSAIEELPFYQYVKEDIAMVLNGAKEKLLRALELTKAPGGPAPRADNFLDDLAQIDELIQH
NTDB id 558 61092..61127( ) (comS)      ......................................................................................    0
NTDB id 119 BSU 10630 NP 388944.2       VKQVYEYSRSHPNPEAWLESFVHLYDVSEKSAIEELPFYQYVKEDIAMVLNGAKEKLLRALELTKAPGGPAPRADNFLDDLAQIDELIQH  270
consensus                               ******************************************************************************************

logo                                    QDDFSELYKRVPAVSFKRAKAVKGDEFDPALLDEATDLRNGAKKLLEKLKTDYFTRSPEQHLKSLAEMKPVIETLVQLVISYGKRFEAAK
NTDB id 558 61092..61127( ) (comS)      ......................................................................................    0
NTDB id 119 BSU 10630 NP 388944.2       QDDFSELYKRVPAVSFKRAKAVKGDEFDPALLDEATDLRNGAKKLLEKLKTDYFTRSPEQHLKSLAEMKPVIETLVQLVISYGKRFEAAK  360
consensus                               ******************************************************************************************

logo                                    QEKSIIDFSDLEHYCLAILTAENDKGEREPSEAARFYQEQFHEVLVDEYQDTNLVQESILQLVTSGPEETGNLFMVGDVKQSIYRFRLAE
NTDB id 558 61092..61127( ) (comS)      ......................................................................................    0
NTDB id 119 BSU 10630 NP 388944.2       QEKSIIDFSDLEHYCLAILTAENDKGEREPSEAARFYQEQFHEVLVDEYQDTNLVQESILQLVTSGPEETGNLFMVGDVKQSIYRFRLAE  450
consensus                               ******************************************************************************************

logo                                    PLLFLSKYKRFTESGEGTGRKIDLNKNFRSRADILDSTNFLFKQLMGGKIGEVDYDEQAELKLGAAYPDNDETETELLLIDNAEDTDASE
NTDB id 558 61092..61127( ) (comS)      ......................................................................................    0
NTDB id 119 BSU 10630 NP 388944.2       PLLFLSKYKRFTESGEGTGRKIDLNKNFRSRADILDSTNFLFKQLMGGKIGEVDYDEQAELKLGAAYPDNDETETELLLIDNAEDTDASE  540
consensus                               ******************************************************************************************

logo                                    EAEELETVQFEAKAIAKEIRKLISSPFKVYDGKKKTHRNIQYRDIIMLLRALPWWSQLIMEELRAQGIPVYANLTSGYFEAVEVAVALSVL
NTDB id 558 61092..61127( ) (comS)      .................................................MVLLRALPWWSL...........................   12
NTDB id 119 BSU 10630 NP 388944.2       EAEELETVQFEAKAIAKEIRKLISSPFKVYDGKKKTHRNIQYRDIVILLRSMPWAPQIMEELRAQGIPVYANLTSGYFEAVEVAVALSVL  630
consensus                               *************************************************!!!*!!* *******************************
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logo

NTDB id 558 61092..61127( ) (comS)      ............................................................................      12
NTDB id 119 BSU 10630 NP 388944.2        KVIDNPYQDIPLASVLRSPIVGADENELSLIRLENKKAPYYEAMKDYLAAGDRSDELYQKLNTFYGHLQKWRAFSKNHSVSELIWEVYRD      720
consensus                                *****************************************************************************************


logo

NTDB id 558 61092..61127( ) (comS)      ............................................................................      12
NTDB id 119 BSU 10630 NP 388944.2        TKYMDYVGGMPGGKQRQANLRVLYDRARQYESTAFRGLFRFLRFIERMQERGDDLGTARALSEQEDVVRLMTIHSSKGLEFPVVFVAGLG      810
consensus                                *****************************************************************************************


logo

NTDB id 558 61092..61127( ) (comS)      ............................................................................      12
NTDB id 119 BSU 10630 NP 388944.2        RNFNMMDLNKSYLLDKELGFGTKYIHPQLRISYPTLPLIAMKKKMRRELLSEELRVLYVALTRAKEKLFLIGSCKDHQKQLAKWQASASQ      900
consensus                                *****************************************************************************************


logo

NTDB id 558 61092..61127( ) (comS)      ............................................................................      12
NTDB id 119 BSU 10630 NP 388944.2        TDWLLPEFDRYQARTYLDFIGPALARHRDLGDLAGVPAHADISGHPARFAVQMIHSYDLLDDDLEERMEEKSERLEAIRRGEPVPGSFAF      990
consensus                                *****************************************************************************************


logo

NTDB id 558 61092..61127( ) (comS)      ............................................................................      12
NTDB id 119 BSU 10630 NP 388944.2        DEKAREQLSWTYPHQEVTQIRTKQSVSEIKRKREYEDEYSGRAPVKPADGSILYRRPAFMMKKGLTAAEKGTAMHTVMQHIPLSHVPSIE      1080
consensus                                *****************************************************************************************


logo

NTDB id 558 61092..61127( ) (comS)      ............................................................................      12
NTDB id 119 BSU 10630 NP 388944.2        EAEQTVHRLYEKELLTEEQKDAIDIEEIVQFFHTEIGGQLIGAKWKDREIPFSLALPAKEIYPDAHEADEPLLVQGIIDCLYETEDGLYL      1170
consensus                                *****************************************************************************************


logo

NTDB id 558 61092..61127( ) (comS)      ............................................................................      12
NTDB id 119 BSU 10630 NP 388944.2        LDYKSDRIEGKFQHGFEGAAPILKKRYETQIQLYTKAVEQIAKTKVKGCALYFFDGGHILTL      1232
consensus                                *********************************************************************
```

X	non conserved
X	similar
X	$\geq 50\%$ conserved