```
logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1384 A4U84 RS08525 WP 010787006.1    MSQYTICEQQTERIFDISPSRWQKNCEEKQLLLRYLAVPVQETEHKLWLAVDDENNLTACEIFAFMTHKQIEPVVIASDE    80
NTDB id 180604 A7E59 RS06725 WP 235318543.1  ........................................................................    0
NTDB id 30 MW RS08005 WP 000697220.1         ........................................................................    0
NTDB id 14 SA RS07775 WP 000697220.1         ........................................................................    0
consensus
```

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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1384 A4U84 RS08525 WP 010787006.1    LKYLLNALSPEQQPIYEESELAFVEQEQEQLNLNDPIIQLLDNLFKFCLAQNASDIHIEPRKQKLIIRLRIDGVLHLYKS    160
NTDB id 180604 A7E59 RS06725 WP 235318543.1  ....................................MKRLLDTILTDAISKNVSDIHFIPIEKEVIIKFRIHDDLINYDN    44
NTDB id 30 MW RS08005 WP 000697220.1         ....................................MKILFQEIINKAIEMKASDVHFIPVKNEVSIKFRINDNLEQYEQ    44
NTDB id 14 SA RS07775 WP 000697220.1         ....................................MKILFQEIINKAIEMKASDVHFIPVKNEVSIKFRINDNLEQYEQ    44
consensus                                                                         ***!  ********* *!!*!**!***** !**!!***!**!**
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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1384 A4U84 RS08525 WP 010787006.1    LSIQLASRLISRIKLLAKLDISELRQPQDGQFSFTTALADTLDFRVSSLPTIYGEKLV.LRLQKNKPTSFDFLQLGFNPQ    239
NTDB id 180604 A7E59 RS06725 WP 235318543.1  IEILTYLKLLTFMKFQAVLDVSNYHQAQSGQTTFKHQ..KLYNLRVSTLPLSLGIESCVIRLS...PQYF...YQDTDRD    116
NTDB id 30 MW RS08005 WP 000697220.1         IGNSIYQKLLVYMKFQAGLDVSTQQVAQSGRYSYHFN..KIYFLRISTLPLSLGQESCVIRIV...PQFF...QQQKSTY    116
NTDB id 14 SA RS07775 WP 000697220.1         IGNSIYQKLLVYMKFQAGLDVSTQQVAQSGRYSYHFN..KIYFLRISTLPLSLGQESCVIRIV...PQFF...QQQKSTY    116
consensus                                    ** *****!****!**!*!!*!*** *!*! ******  *****!*!*!!***!******!**   !**!   *******
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logo
                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1384 A4U84 RS08525 WP 010787006.1    QQTTLLNALKQPQGLILVTGPTGSGKSITLYSALNYLNQ.MDKHILTAEDPVEIEIDGLIQTQVNRSIQLDFSQLLRTFL    318
NTDB id 180604 A7E59 RS06725 WP 235318543.1  GPKHFYHLMNKKQGLILFTGPTGVL.......................................................    141
NTDB id 30 MW RS08005 WP 000697220.1         KFNDFKHLMNKKQGLLLFSGPTGSGKSTLMYQMVSYANKALNLNVISIEDPVEMQIPGIVQINVNDKAGINYVNSFKAIL    196
NTDB id 14 SA RS07775 WP 000697220.1         KFNDFKHLMNKKQGLLLFSGPTGSGKSTLMYQMVSYANKALNLNVISIEDPVEMQIPGIVQINVNDKAGINYVNSFKAIL    196
consensus                                    ************!!!*!**!!!!*************************************************************
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logo
                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1384 A4U84 RS08525 WP 010787006.1    RQDPDIIMLGEIRDEESAKMALRASQTGHLVLSTLHTNDALSAVERLLQLGIQEYEIQNSLLLVIAQRLVRKLCKKCRGV    398
NTDB id 180604 A7E59 RS06725 WP 235318543.1  ........................................................................    141
NTDB id 30 MW RS08005 WP 000697220.1         RCDPDVILIGEIRDKDVAKCVIQASLSGHLVLTTLHATDCKGAILRLLEMGISVQELIQATNLIINQRLVTTIKQQ.RQL    275
NTDB id 14 SA RS07775 WP 000697220.1         RCDPDVILIGEIRDKDVAKCVIQASLSGHLVLTTLHATDCKGAILRLLEMGISVQELIQATNLIINQRLVTTIKQQ.RQL    275
consensus                                    ************************************************************************ ***
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logo
                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1384 A4U84 RS08525 WP 010787006.1    GCDECYQG.YRGRIGVYQCLSRTAKKFDKQTAYLDFSSLRESAKQKIEQQLTNETEVDRVLGYE    461
NTDB id 180604 A7E59 RS06725 WP 235318543.1  ........................................................    141
NTDB id 30 MW RS08005 WP 000697220.1         VCEILSQQQLRYFFSHNHSLPS............SFKNLEDKLDDMTKAGVICETTMDKYI...    324
NTDB id 14 SA RS07775 WP 000697220.1         VCEILSQQQLRYFFSHNHSLPS............SFKNLEDKLDDMTKAGVICETTMDKYI...    324
consensus                                    **********************            **************************
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X non conserved
X similar
X $\geq$ 50% conserved