```
logo
NTDB id 1125923 PMYSY11 RS10965 WP 172970685.1  MDLQAMLKILSSQDGSDLYLSTGAPPCAKFNGVLKALSSEPLKGGEVAEIANSVMDDTQKEEFERELEMNLAMSVTG.VG   79
NTDB id 1177 A1552VC RS01165 WP 000422572.1     MELNQYLDGMLTHKASDLYITVGAPILYRVDGELRAQGEAL.SVADVTALLHAMMDDARQAEFKQTREANFAVVRD..SG   77
NTDB id 1203 PSJM300 01605 AFN76401.1           MEFEKLLRLMVEKGGSDLFITAGVPPSMKVNGKILPVNKTPMSPEMTRETVHGVMNEQQRREFTENHECNFAISARG.IG   79
NTDB id 1019 ACIAD RS04205 WP 004922051.1       MDFNDLLNLMAKHKASDLFITAGVEPSLKINGEITPVSKTKLDGDMIAQLIDSITTQKQRQEFIETHECNFAILNREKNE   80
consensus                                       !* * *!********!!!****! *******!***********  ************ ** !! ***!*!*!** ** **

logo
NTDB id 1125923 PMYSY11 RS10965 WP 172970685.1  RFRINIFKQRNEVSIVARNIKLDIPKFEDLKLPEVLLSTIMEKRGLVLFVGGTGSGKSTSLAALIDYRNRNSSGHIITIE  159
NTDB id 1177 A1552VC RS01165 WP 000422572.1     RFRVSAFFQRELPGAVIRRIETRIPTFEELKLPEVLQNLAIAKRGLVLVVGATGSGKSTTMAAMTGYRNQHRTGHILTVE  157
NTDB id 1203 PSJM300 01605 AFN76401.1           RFRVSAFYQRNLAGMVLRRIETNIPTIEDLKLPDVLKKLALTKRGLVLFVGATGTGKSTSLAAMIGYRNKNSSGHIISIE  159
NTDB id 1019 ACIAD RS04205 WP 004922051.1       RFRVSAFQQRDMPGMVIRRIETKIPSPDDLHLPPILKELAMSKRGIIIFSGATGTGKSTSLASMIQHRNQHSKGHIITIE  160
consensus                                       !!!***!*!!*****!*!*!***!!****!*!!**!* ****!!!*****!*!!*!!!!**!*****!!****!!!***!

logo
NTDB id 1125923 PMYSY11 RS10965 WP 172970685.1  DPVEYVHRHKKSIINQREVGVDTRSFHAALKNTLRQAPDVILIGEIRDRETMEHALAFADTGHLAISTLHANNANQALDR  239
NTDB id 1177 A1552VC RS01165 WP 000422572.1     DPIEFVHEHKRCIVTQREVGLDTESYEVALKNSLRQAPDMILIGEIRSRETMEYAMTFAETGHLCMATLHANNANQALER  237
NTDB id 1203 PSJM300 01605 AFN76401.1           DPIEFIHQHQNCIVTQREVGIDTDSFEVALKNTLRQAPDVILIGEVRTRETMDHAVAFAETGHLCLATLHANNANQALDR  239
NTDB id 1019 ACIAD RS04205 WP 004922051.1       DPIEFIHEHAGCIITQREVGIDTDSFEIALKNTLRQAPDVILIGEIRSREVMDYALAFAETGHLVFATLHANNANQTLER  240
consensus                                       !!*!**!*!***!**!!!!!*!!*!***!!!!*!!!!!!*!!!!!*!*!!*!**!**!!*!!!!***!!!!!!!!!*!*!

logo
NTDB id 1125923 PMYSY11 RS10965 WP 172970685.1  IINFFPEERRPQLLNDLGNNLKAFVSQRLVKTADGKR.RAAVEVMLGTPTIRDLIKRNEFSELKEIMEKSRNLGMQTFDQ  318
NTDB id 1177 A1552VC RS01165 WP 000422572.1     ILHLVPKEQREQFLLDLSLNLKGVIAQQLLRDKNGKGRHGVFEVLLNSPRIADLIRRGELHELKATMARSQEVGMQTFDQ  317
NTDB id 1203 PSJM300 01605 AFN76401.1           IINFFPADRQNQVWMDLSLNLKAIVAQQLVPTPDGKGRRAVIEVLINTPLAADLIRKGEVHELKGLMKRSTDLGMQTFDQ  319
NTDB id 1019 ACIAD RS04205 WP 004922051.1       IIHFFDADRHQQIFMDLSLNLKAVISQQLIPTHDGQSRRAAVEVLINTPLLSDYIRQGEIYKIKELMARSGELGMQTFDQ  320
consensus                                       !*********!***!!**!!!*** !*!*** *!***** *!!****!***!*!***!****!**!**! **!!!!!!!

logo
NTDB id 1125923 PMYSY11 RS10965 WP 172970685.1  ALIDLVHEGVIDEEEAVKNADSANNVRLRLKLYRDNPENQADKPVAPEPEKASPSVSNWSMDLTLEDIEAEAPPPETPGR  398
NTDB id 1177 A1552VC RS01165 WP 000422572.1     ALYQLVVDDKISEQDALHSADSANDLRLMLKTKRGDDY.............GSGSLQNVKIDME................  368
NTDB id 1203 PSJM300 01605 AFN76401.1           ALYNLYVQGEITYEDALLHADSSNDLRLMIKLGSETDGEHL..........TSVS.QGLTLEMSDDDPGRSFR.......  381
NTDB id 1019 ACIAD RS04205 WP 004922051.1       ALFDLYDHQHISYADALKHADSPNNLRLQIKLSEEANKPLD..........NRERMSEMERKMTFDGQRRNLK.......  383
consensus                                       !!**! *** !* **!***!!!*! *!!**!* ** *               ** ** ******* **   *   *

logo
NTDB id 1125923 PMYSY11 RS10965 WP 172970685.1  NGI   401
NTDB id 1177 A1552VC RS01165 WP 000422572.1     ...   368
NTDB id 1203 PSJM300 01605 AFN76401.1           ...   381
NTDB id 1019 ACIAD RS04205 WP 004922051.1       ...   383
consensus
```

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