```
logo

NTDB id 191970 ABE41 RS12500 WP 066290778.1  MLAELSIRNFAIIDSLSVSFKKGLTVLTGETGAGKSIIIDAIGLLIGGRGSTEFVRYGTQKAEIEGLFHIHEYHRVYEKC   80
NTDB id 352 BSU 24240 NP 390304.2            MLAELSIKNFAIIEELTVSFERGLTVLTGETGAGKSIIIDAISLLVGGRGSSEFVRYGEAKAELEGLFLLESGHPVLGVC   80
consensus                                    !!!!!!!*!!!!!* !*!!! *!!!!!!!!!!!!!!!!!!!! !!*!!!!!*!!!!!!  !!!*!!!!*** !*!   !

logo

NTDB id 191970 ABE41 RS12500 WP 066290778.1  EEVGITITDEMVVLKRDITDSGKSICRVNGKLVTLSVLKEIGQALVDIHGQHETQYLMQPDKHLFLLDSFGDKGFKKELF  160
NTDB id 352 BSU 24240 NP 390304.2            AEQGIDVSDEMIVMRRDISTSGKSVCRVNGKLVTIASLREIGRLLLDIHGQHDNQLLMEDENHLQLLDKFAGAEVESALK  160
consensus                                     ! !! **!!!*!**!!!* !!!!*!!!!!!!!!*  !*!!!  !*!!!!!!* ! !! ** !! !!! !*       !

logo

NTDB id 191970 ABE41 RS12500 WP 066290778.1  TYEEAFKEYKDISKQLSELSRNEQEIAQRIDLLEYQYEEITGANLLEDEDIKLEEEKRMLGNFEKIHGHLQDAYHSLYGE  240
NTDB id 352 BSU 24240 NP 390304.2            TYQEGYQRYVKLLKKLKQLSESEQEMAHRLDLIQFQLEEIESAKLELNEDEQLQEERQQISNFEKIYESLQNAYNALRSE  240
consensus                                    !! !**  !  * ! !  !!  !!!*!*!*!!* *! !!!  ! !  !!  ! !!*  * !!!!!* *!! !!* !  !

logo

NTDB id 191970 ABE41 RS12500 WP 066290778.1  GKGLELISSAMADFSQVAALDESLKADEEQFGSSFYVLEELTYKIRDMFDSLEYNPERLNGIELRLDEISKLKRKYGSSV  320
NTDB id 352 BSU 24240 NP 390304.2            QGGLDWVGMASAQLEDISDINEPLKKMSESVSNSYYLLEDATFQMRNMLDELEFDPERLNYIETRLNEISQLKRKYGATV  320
consensus                                      !!* *  ! !    *  * !*!!   !    !*!*!!* !* *! ! ! !!* !!!!! !! !! !!  !!!!!! *!

logo

NTDB id 191970 ABE41 RS12500 WP 066290778.1  KEILRYGSKVKKELELIQNKDNHIEELKAKQSKVVTKLETSGKKLTKKRSEIAKTLKKAIQQQLKELYMEKTEFEVVMER  400
NTDB id 352 BSU 24240 NP 390304.2            EDILEYASKIEEEIDQIENRDSHLQSLKKELDSVGKDVAVEAANVSQIRKTWAKKLADEIHRELKSLYMEKSTFDTEFKV  400
consensus                                     *!! !* !*  !** ! !*! !*  !!      !   *   *  **  !   !! !   !*  !! !!!!!* !*

logo

NTDB id 191970 ABE41 RS12500 WP 066290778.1  .............TEENQFLKTGMDSVEFFISPNQGEPLKPISKVASGGELSRVILALKTIFSENQGITAIIFDEVDTGV  467
NTDB id 352 BSU 24240 NP 390304.2            RTASRNEEAPLVNGQPVQLTEQGIDLVKFLISTNTGEPLKSLSKVASGGELSRVMLAIKSIFSSQQDVTSIIFDEVDTGV  480
consensus                                    ************  * !    !*! ! ! !!*! !!!!!**!!!!!!!!!!!!*!!*!*!!!  *!  *!  !!!!!!!!!!

logo

NTDB id 191970 ABE41 RS12500 WP 066290778.1  SGRVAQAIAEKIYRVSVDSQVLCISHLPQVAAMADTHLHISKSTLQGRTVTKVLSLKTDEKVHEIGRMISGVEITDLTKQ  547
NTDB id 352 BSU 24240 NP 390304.2            SGRVAQAIAEKIHKVSIGSQVLCITHLPQVAAMADTHLYIAKELKDGRTTTRVKPLSKQEKVAEIGRMIAGVEVTDLTKR  560
consensus                                    !!!!!!!!!!!!**!!* !!!!!!*!!!!!!!!!!!!!!*! !    !!! !*! *!   !!!*!!!!!! !!!*!!!!!
```

```
logo

NTDB id 191970 ABE41 RS12500 WP 066290778.1  HAQELLQLAETIKKSS   563
NTDB id 352 BSU 24240 NP 390304.2            HAKELLKQADQVKTTG   576
consensus                                    !! !!!  !* *! *
```

X non conserved

X similar

X $\geq$ 50% conserved