```
logo

NTDB id 240883 CHR53 RS19380 WP 066385297.1  MLAELSIKNFAIIENLSISFEKGLSVLTGETGAGKSIIIDAIHLLTGGRGSAEFVRHGKDKAEIEGLFQIDEIGHPVYKK   80
NTDB id 352 BSU 24240 NP 390304.2            MLAELSIKNFAIIEELTVSFERGLTVLTGETGAGKSIIIDAISLLVGGRGSSEFVRYGEAKAELEGLFLL.ESGHPVLGV   79
consensus                                    !!!!!!!!!!!!!! !**!!!*!!*!!!!!!!!!!!!!!!!!*!! !!!!! !!!!*!  !!!*!!!! **! !!!!

logo

NTDB id 240883 CHR53 RS19380 WP 066385297.1  ALEFGIEIEEGMVVLRRDISRTGKSVCRINGKLVTIAVLREIGAALVDIHGQHEHQELMDETRHLPLLDQFGAEEIAASM  160
NTDB id 352 BSU 24240 NP 390304.2            CAEQGIDVSDEMIVMRRDISTSGKSVCRVNGKLVTIASLREIGRLLLDIHGQHDNQLLMEDENHLQLLDKFAGAEVESAL  159
consensus                                    * ! !!** * !*!*!!!!! *!!!!!!*!!!!!!!! !!!!!  !*!!!!!!**! !!**  !!*!!! !** !*   *

logo

NTDB id 240883 CHR53 RS19380 WP 066385297.1  EEYRQVFHRFEQTQNRLKALSENDQQMAHRLDLILFQFDEIQKADLKLHEDEELYEEKQKLSNFEKIYEALQLSFNALHG  240
NTDB id 352 BSU 24240 NP 390304.2            KTYQEGYQRYVKLLKKLKQLSESEQEMAHRLDLIQFQLEEIESAKLELNEDEQLQEERQQISNFEKIYESLQNAYNALRS  239
consensus                                      !   **!*     *!! !!! *! !!!!!!!! !! *!!  ! ! !*!!! ! !!*! *!!!!!!!! !!  *!!!*

logo

NTDB id 240883 CHR53 RS19380 WP 066385297.1  DQKGLDWVGMVMGHLEDAAAIDGAYKEISEAVANCFYQLEDAARTLRNELDVLEFDPQRLNEIEDRLNEINQLKRKYGKT  320
NTDB id 352 BSU 24240 NP 390304.2            EQGGLDWVGMASAQLEDISDINEPLKKMSESVSNSYYLLEDATFQMRNMLDELEFDPERLNYIETRLNEIKQLKRKYGAT  319
consensus                                    *! !!!!!!!  **!!!   !  * ! *!! ! !**! !!!!   *!! !! !!!!! !!! !! !!!!! !!!!!!! !

logo

NTDB id 240883 CHR53 RS19380 WP 066385297.1  IQEILEYAAKIEEEIETIQNKETHIDELEKEIASIKKDLTLEAKQLTALRQKWAEKLTGLIHKELKELYMEKTVFNIQIT  400
NTDB id 352 BSU 24240 NP 390304.2            VEDILEYASKIEEEIDQIENRDSHLQSLKKELDSVGKDVAVEAANVSQIRKTWAKKLADEIHRELKSLYMEKSTFDTEFK  399
consensus                                    * *!!!!! !!!!!!* ! !***!*  ! !!* !* !!* *!! *** *!  !! !!   !!*!!! !!!!!* !

logo

NTDB id 240883 CHR53 RS19380 WP 066385297.1  SE..............NDHFSKYGADHVEFYISTNPGEPLKPLSKVASGGELSRIMLALKSIFSKHQGVTSIIFDEVDTG  466
NTDB id 352 BSU 24240 NP 390304.2            VRTASRNEEAPLVNGQPVQLTEQGIDLVKFLISTNTGEPLKSLSKVASGGELSRVMLAIKSIFSSQQDVTSIIFDEVDTG  479
consensus                                      ************** * *  ! !*! ! !!!!*!!!!!*!!!!!!!!!!!!*!!!*!!!!! *! !!!!!!!!!!!!

logo

NTDB id 240883 CHR53 RS19380 WP 066385297.1  VSGRVAQAIAEKIYKVALDSQVLCISHLPQVAAMADTHLFISKTVKDGRTSTAVTPLTDQEKIKEIGRMISGVEITDLTK  546
NTDB id 352 BSU 24240 NP 390304.2            VSGRVAQAIAEKIHKVSIGSQVLCITHLPQVAAMADTHLYIAKELKDGRTTTRVKPLSKQEKVAEIGRMIAGVEVTDLTK  559
consensus                                    !!!!!!!!!!!!!*!! * !!!!!!*!!!!!!!!!!!!!*! ! *!!!!!*! ! !!* !!!* !!!!!! !!!*!!!!!
```

```
logo

NTDB id 240883 CHR53 RS19380 WP 066385297.1  QHAEELLQLAVKTKKN.   562
NTDB id 352 BSU 24240 NP 390304.2            RHAKELLKQADQVKTTG   576
consensus                                     !! !!!  !   !  *
```

X non conserved

X similar

X $\geq$ 50% conserved