```
NTDB id 317623 CFK27 RS04485 WP 050338776.1  MLQELSITNFAIIEHLDTAFEAGMTVLTGETGAGKSIIIDAVGLLAGGRGSSEFIRTGADKAVLQGMFILPADGVTAQLL  80
NTDB id 352 BSU 24240 NP 390304.2            MLAELSIKNFAIIEELTVSFERGLTVLTGETGAGKSIIIDAISLLVGGRGSSEFVRYGEAKAELEGLFLLESGHPVLGVC  80
consensus                                    !! !!!! !!!!!!*! * !! !*!!!!!!!!!!!!!!!!!* !! !!!!!!!!*! ! !! ! !*!*!* ** **
```

```
NTDB id 317623 CFK27 RS04485 WP 050338776.1  DEAGIDHADNTVILQREITKSGRNTCRINGMLVNTTTLKQIGETIVDIHGQNEHQELMQPEKHLGLLDEFAAAKIRKLKQ  160
NTDB id 352 BSU 24240 NP 390304.2            AEQGIDVSDEMIVMRRDISTSGKSVCRVNGKLVTIASLREIGRLLLDIHGQHDNQLLMEDENHLQLLDKFACAEVESALK  160
consensus                                     ! !!!* !  *** !*!* !!*  !!*!! !!   *!* !!  **!!!!!***! !! *! !! !!! !!*! *
```

```
NTDB id 317623 CFK27 RS04485 WP 050338776.1  QYQQQYDHYQQLNRELRQKNANEKEWAQRLDMLNFQVDEIAAAQVKVGEEAALIAERDRLDNYQMINQALQQSYTLLAAG  240
NTDB id 352 BSU 24240 NP 390304.2            TYQEGYQRYVKLLKKLKQLSESEQEMAHRLDLIQFQLEEIESAKLELNEDEQLQEERQQISNFEKIYESLQNAYNALRS.  239
consensus                                     !!  ! *!  ! * !*!    ! ! !*!!!***!!**!!  ! * * !*  !  !!  * !*  !  !!* ! !  *
```

```
NTDB id 317623 CFK27 RS04485 WP 050338776.1  EETTGAVDMVGTAMNALEPIANLDSAFNEITVNVKNAFYGLQDAAGQISNQLDLQEFDEGRLDEIEQRLDVLSQLKRKYG  320
NTDB id 352 BSU 24240 NP 390304.2            ..EQGGLDWVGMASAQLEDISDINEPLKKMSESVSNSYYLLEDATFQMRNMLDELEFDPERLNYIETRLNEIKQLKRKYG  317
consensus                                    **  !**! !! !   !!*!  *  *  **  ! ! *! ! !!  !* ! !!  !!!* !!  !! !!  * !!!!!!!
```

```
NTDB id 317623 CFK27 RS04485 WP 050338776.1  DSEQQILDYYQKIAAELAKMTDSEENSEDLAQRVTDAKDKLLKTGEALSDKRRTAAKVLQRQIHQELKDLYMDKAIFEVR  400
NTDB id 352 BSU 24240 NP 390304.2            ATVEDILEYASKIEEEIDQIENRDSHLQSLKKELDSVGKDVAVEAANVSQIRKTWAKKLADEIHRELKSLYMEKSTFDTE  397
consensus                                     *   !!*!  !!  !*  *   * *   !   *       *   *  *!  !*! !! !  !! !!! !!!*!  !*
```

```
NTDB id 317623 CFK27 RS04485 WP 050338776.1  FKPTK.............GQIYRSGLDSVEFYIQTNPGERMRPLAKIASGGELSRMMLALKTIFSESQGITSIIFDEVD  466
NTDB id 352 BSU 24240 NP 390304.2            FKVRTASRNEEAPLVNGQPVQLTEQGIDLVKFLISTNTGEPLKSLSKVASGGELSRVMLAIKSIFSSQQDVTSIIFDEVD  477
consensus                                    !!*  ************** !*   !*! ! ! ! !!*!!****! !*!!!!!!!!!*!!!*!*!!!  ! *!!!!!!!!!
```

```
NTDB id 317623 CFK27 RS04485 WP 050338776.1  TGVSGRVAQAIAEKINGIAHFSQVLCITHLPQVAAMSDHHYFIAKKITGKRTKTSVTKLDNAARVKELARMLAGTKVTKL  546
NTDB id 352 BSU 24240 NP 390304.2            TGVSGRVAQAIAEKIHKVSIGSQVLCITHLPQVAAMADTHLYIAKELKDGRTTTRVKPLSKQEKVAEIGRMIAGVEVTDL  557
consensus                                    !!!!!!!!!!!!!!!!* * * !!!!!!!!!!!!!!!! !*! *!!! *   !! ! ! *!    *! !**!!*!!  !! !
```

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```
NTDB id 317623 CFK27 RS04485 WP 050338776.1  SLEHAEELLQLADEEKDE.   564
NTDB id 352 BSU 24240 NP 390304.2            TKRHAKELLKQADQVKTTG   576
consensus                                    *  !! !!!  !!  !  *
```

X non conserved
X similar
X ≥ 50% conserved