```
logo

NTDB id 80256 L6484 RS21035 WP 000947754.1  MLSELSIRNFAIIEALNISFQKGLTVLSGETGAGKSIIIDAISLLVGGRGSAEFVRYGTEKAEIEGLFYVEDDKHPCIEKAEELD   85
NTDB id 352 BSU 24240 NP 390304.2           MLAELSIKNFAIIEELTVSFERGLTVLTGETGAGKSIIIDAISLLVGGRGSSEFVRYGEAKAELEGLFLLES.GHPVLGVCAEQG   84
consensus                                   !! !!!!*!!!!!! ! *!! *!!!!!*!!!!!!!!!!!!!!!!!!!!!!! !!!!!!  !!!*!!!! *! * !!**  * !

logo

NTDB id 80256 L6484 RS21035 WP 000947754.1  IEIEDGMILKRDIAANGKSVCRVNGKLVTLSVLKEIGKTLVDIHGQHETQDLMNEERHLFMLDHFDGERIVKQLDIYQNVYADY   170
NTDB id 352 BSU 24240 NP 390304.2           IDVSDEMIVMRRDISTSGKSVCRVNGKLVTIASLREIGRLLLDIHGQHDNQLLMEDENHLQLLDKFAGAEVESALKTYQEGYQRY   169
consensus                                   !** ! !!***!!!   !!!!!!!!!!!!!* !*!!!* !*!!!!!!* ! !! *! !! *!!*! !  *   !  !!  !  !

logo

NTDB id 80256 L6484 RS21035 WP 000947754.1  EKLKKQLKSLSENEQQMAHRLDLIQFQHEEIRKADLKMDEENNLTEERLQISNFEKIYKALGDAYRSLSADGQGLDNVRSAMGQM   255
NTDB id 352 BSU 24240 NP 390304.2           VKLLKKLKQLSESEQEMAHRLDLIQFQLEEIESAKLELNEDEQLQEERQQISNFEKIYESLQNAYNALRSEQGGLDWVGMASAQL   254
consensus                                    !! ! !! !!! !! !!!!!!!!!!!!*!!!  ! ! * !* *! !!! !!!!!!!!! ! !! ! * !!! ! ! *!*

logo

NTDB id 80256 L6484 RS21035 WP 000947754.1  ESITHLDEVYQENHDSIANSYYLLEEVAYQLREKLDMMEYDPNRLDEIETRLNEIRMLKRKYGNNVEEILAYADKIEQEIFTIEN   340
NTDB id 352 BSU 24240 NP 390304.2           EDISDINEPLKKMSESVSNSYYLLEDATFQMRNMLDELEFDPERLNYIETRLNEIKQLKRKYGATVEDILEYASKIEEEIDQIEN   339
consensus                                   ! !*** !*    **!* !!!!!!!*  *!*!  !! *!*!! !!  !!!!!!!!* !!!!!!  !!*!! !! !!! !!  !!!

logo

NTDB id 80256 L6484 RS21035 WP 000947754.1  KDVHIEITKKQLKELESVILKEATLLSNMRHELAEHLTNAIHQELKELYMEKTKFEVRIIK..REGNAEEPLVEGVPVRLTADGY   423
NTDB id 352 BSU 24240 NP 390304.2           RDSHLQSLKKELDSVGKDVAVEAANVSQIRKTWAKKLADEIHRELKSLYMEKSTFDTEFKVRTASRNEEAPLVNGQPVQLTEQGI   424
consensus                                   *! !* * !! !  *   *  !!  *!**!*  ! *!   !! !!! !!!!!* !*     **   ! ! !!! ! !! !!  !

logo

NTDB id 80256 L6484 RS21035 WP 000947754.1  DHVEFYISTNPGEPLKPLSKVASGGELSRIILALKSIFSKHQGVASVIFDEVDTGVSGRVAQAIAEKIYRVSVNSQVLCITHLPQ   508
NTDB id 352 BSU 24240 NP 390304.2           DLVKFLISTNTGEPLKSLSKVASGGELSRVMLAIKSIFSSQQDVTSIIFDEVDTGVSGRVAQAIAEKIHKVSIGSQVLCITHLPQ   509
consensus                                   !*!  ! !!!!*!!!!!*!!!!!!!!!!!!**!!*!!!!! *!  !  !*!!!!!!!!!!!!!!!!!!!!!!**!!* !!!!!!!!!!!

logo

NTDB id 80256 L6484 RS21035 WP 000947754.1  VASMADSHLFIRKQVANDRTITSVTVLTMEDKVTEIARMISGVEITDLTTEHAKELLTQAHHFKQTAEAIQ   579
NTDB id 352 BSU 24240 NP 390304.2           VAAMADTHLYIAKELKDGRTTTRVKPLSKQEKVAEIGRMIAGVEVTDLTKRHAKELLKQADQVKTTG....   576
consensus                                   !! !!!*!!*! ! *   !! ! ! *!*  *!! !!*!!! !!!*!!!!  !!!!!! !!** ! !*****
```

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