

T F K K E L P T T K E G I V S Y L S S D L F K G I G K K T A Q N I V N K L G E S A I N K L N H P S V I Y K V P S L S K K K Q Q T L A G Q L S R N Q G S E Q I M I L S L N Q
H F E K E L P Q T K E G I Q Y L S S D L F K E G I G K K T A E E I V N K L G E S A I N K L N H P S V I Q D V P S L S K K K A D Q T L A G Q L S R N Q G S E Q I M I L S L N Q

T F E K E L P Q T K D A I V S Y L S S D L F K G I G K K T A Q N I V N A L G E N A I N D I L N H P E I L Q K V P S L P K K K Q Q Q I A E Q I S A N Q E S E K I M I R L H D
H F K K E I P T T K E G I Q Y L S S D L F E G I G K K T A E E I V K K L G E S A I N K I L A D A S V L Y D V P R L S K K K A D T L A G A L Q R R H G L E Q I M I S L N Q

* * * * *

[illegible]

YNKVQVYAPASQKEALQTA^{MS}SPV^{ML}LLTGGPGTGKTTVIRGIVELY^{GA}ELHGVSLD^{YSD}YNK^{EDY}PPVLAAPTGRASKR^{MS}ESTGL^{PE}
 RMDVNNIAASQKEALEKALN^{SK}MLLLTGGPGTGKTTVIRGIVELY^{AT}ELHGLSLD^{YSD}YNK^{EDY}PPVLAAPTGRASKR^{MS}ESTGL^{PE}
 YNKVNYAASQKEALETAMNSKVM^{LL}TGGPGTGKTTVIRGIVELY^{AI}ELHGLSLD^{YSD}YNK^{EDY}PPVLAAPTGRASKR^{MS}ESTGL^{PE}
 RMDVQYAPASQKEALIQKAL^{SS}MLLLTGGPGTGKTTVIRGIVELY^{GI}ELHGVSLD^{PSA}YKK^{DE}APPVLAAPTGRASKR^{MS}ESTGL^{PE}

A M T I H R L G W N Q E T Q P T H T L D Q P N G R L D E M S M D T W L F N Q L S A Y P L H I Q F V G D E D Q L P S V G P G Q V F K D L I D S Q V I P T V
A M T I H R L I G W N Q E T Q P E D I L D N E I N A R L I I D E M S M V D T W L F H Q F L S A V P L D A Q I I F V G D E D Q L P S V G P G Q V F K D L I D S K T I P R V
A V T I H R L L G W N G A E G F T H T E D Q P I E G K L I I D E A S M L D I W L A N H L F K A I P D H I Q I I I V G D E D Q L P S V G P G Q V L R D L A S Q V I P T V

RLTEVYRQQEGSSIVELAHQMKNGLPNNLTQRTKDRSFIRCTSSQIPQEWKWKQSAVSKGYTMSDIQVLAPMYRGKAGINRKLNL
 NLTEVYRQQDGSSIIDLAHRMKMGEPIDITQRFHDRSFINCTSDQIPDVVDKVVQSAVSKGYNMSDIQVLAPMYKGNAGIKRNLNL
 RLTDITYRQAEGSSIVELAHQMKNGLPNNLTAPTQKDRSFIRCGGSQIKEVVEKVVANALKKGYTAKDIQVLAPMYRGKAGINELNL

586
595

logo

NTDB id 70170 EL289 RS06375 WP 044466735.1
NTDB id 355 BSU 27480 NP 390625.1
consensus



671
680

logo

NTDB id 70170 EL289 RS06375 WP 044466735.1
NTDB id 355 BSU 27480 NP 390625.1
consensus



755
759

logo

NTDB id 70170 EL289 RS06375 WP 044466735.1
NTDB id 355 BSU 27480 NP 390625.1
consensus



816
798

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