

**K**V**L**I**V**Q**R**P**G**S**H**V**R**R**Q**L**S**L**N**R**A**S**I**S**T**L**H**S**F**C**L**Q**V**L**R**K**Y**W**M**L**D**V**D**P**R**F**R**I**A**N**Q**T**E**N**E**L**K**E**V**L**D**E**L**F**E**E**Y**<sup>GKG</sup>**A**I**E**D**E**K**A**<sup>NTI</sup>**F**F**E**L**V**D

KVLIIDEPGSQHVRKQLSLLNKASISTIHSFCLQVIRGYYYMLDVPDRFRIANQTENELLKEEVLDDILEEEYGIEDNTIFFELVD  
 KELVQRPGSLHIRRQLSLLNRASISTLHSFCLQVLKKYYYLIDLDPGFRIADQTEGELIGDEVLDLEFEDEYAKGEKAFFELVD

\* \* \* \* \*

[illegible][illegible][illegible]



[illegible]

QEMKPVLTETLVQLVKVYTKRFQAMREKSMDFDLEHYCLQAITEQSEKGERKPSEVARQVRNQFHEVLVDEYQDTN=VQESI  
ADHIVTCKLGLVQLVTSFGELTAIQDGIITSDLEHYFLAIIASAENDDMERKPSAAALFYQEKAFAEVLVDEYQDTNFVQESIL  
QDMHPVLEKLVLQVLKVFTFRFQAMKRDKGMVDFTDLEHFCLQILSEQSEDGEMKPSAVALLQYRNKF~~A~~EVLVDEYQDTNFVQESI  
AEMKPVLETTLVQLVISYGKRFEEAKQEKSIDFS~~D~~L~~E~~H~~F~~C~~L~~AILTAE~~N~~DKGEREPSEARFYQE~~Q~~FHEVLVDEYQDTNLVQESIL  
\*\*\*\*\*

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

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

[illegible][illegible]594  
589

logo

NTDB id 128756 BG02 RS20840 WP 000970458.1  
NTDB id 119 BSU 10630 NP 388944.2  
consensus

679  
674

logo

NTDB id 128756 BG02 RS20840 WP 000970458.1  
NTDB id 119 BSU 10630 NP 388944.2  
consensus

764  
757

logo

NTDB id 128756 BG02 RS20840 WP 000970458.1  
NTDB id 119 BSU 10630 NP 388944.2  
consensus

849  
842

logo

NTDB id 128756 BG02 RS20840 WP 000970458.1  
NTDB id 119 BSU 10630 NP 388944.2  
consensus

934  
927

logo

NTDB id 128756 BG02 RS20840 WP 000970458.1  
NTDB id 119 BSU 10630 NP 388944.2  
consensus



1017  
1009

logo

NTDB id 128756 BG02 RS20840 WP 000970458.1  
NTDB id 119 BSU 10630 NP 388944.2  
consensus



1100  
1094

logo

NTDB id 128756 BG02 RS20840 WP 000970458.1  
NTDB id 119 BSU 10630 NP 388944.2  
consensus



1185  
1178

logo

NTDB id 128756 BG02 RS20840 WP 000970458.1  
NTDB id 119 BSU 10630 NP 388944.2  
consensus



non conserved  
 similar  
 ≥ 50% conserved