

NTDB id 283081 C7M26 RS01555 WP 029317928.1  
NTDB id 352 BSU 24240 NP 390304.2  
consensus

MLAELS IKNFAIIEELTVSFERGLTVLTGETGAGKSIIDAISSLVGGGRGSSEFVRYGEAKAELEGLFLES GHPVLGVC  
MLAELS IKNFAIIEELTVSFERGLTVLTGETGAGKSIIDAISSLVGGGRGSSEFVRYGEAKAELEGLFLES GHPVLGVC  
MLAELS IKNFAIIEELTVSFERGLTVLTGETGAGKSIIDAISSLVGGGRGSSEFVRYGEAKAELEGLFLES GHPVLGVC

160  
160

NTDB id 283081 C7M26 RS01555 WP 029317928.1  
NTDB id 352 BSU 24240 NP 390304.2  
consensus

AEQGLDVSDEIMVRRDISTSGKSVCRVNGKLVTIASLREIGRLLLDIHGQHDNQLLMEDENHLQLLDKFAGAEVESALK  
AEQGLDVSDEIMVRRDISTSGKSVCRVNGKLVTIASLREIGRLLLDIHGQHDNQLLMEDENHLQLLDKFAGAEVESALK  
AEQGLDVSDEIMVRRDISTSGKSVCRVNGKLVTIASLREIGRLLLDIHGQHDNQLLMEDENHLQLLDKFAGAEVESALK

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TYQEGYQRYM<sup>1</sup>KLLKKLKLSESEQEMAHRLDLIQFQLEEL<sup>2</sup>ESAKLELNEDQLQEERQQISNFEKIYESLQ<sup>3</sup>NAYNALRSE  
 TYQEGYQRYM<sup>1</sup>KLLKKLKLSESEQEMAHRLDLIQFQLEEL<sup>2</sup>ESAKLELNEDQLQEERQQISNFEKIYESLQ<sup>3</sup>NAYNALRSE  
 TYQEGYQRYM<sup>1</sup>KLLKKLKLSESEQEMAHRLDLIQFQLEEL<sup>2</sup>ESAKLELNEDQLQEERQQISNFEKIYESLQ<sup>3</sup>NAYNALRSE  
 \*

240  
240

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QGGLDWVGMSAQLSDINEPLKKMSSESVNSYYLLEDATFQMRNMLDELEFDPERLNYIETRLNEIKQLKRKYGATV  
QGGLDWVGMSAQLSDINEPLKKMSSESVNSYYLLEDATFQMRNMLDELEFDPERLNYIETRLNEIKQLKRKYGATV  
QGGLDWVGMSAQLSDINEPLKKMSSESVNSYYLLEDATFQMRNMLDELEFDPERLNYIETRLNEIKQLKRKYGATV

320  
320

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EDILEYASKIEEEIDQIENRDSLQSLKKELDSVGKDVAVEAANVSQIRKTWAKKLADIHRELKSLYMEKSTFDTEFKV  
EDILEYASKIEEEIDQIENRDSLQSLKKELDSVGKDVAVEAANVSQIRKTWAKKLADIHRELKSLYMEKSTFDTEFKV  
EDILEYASKIEEEIDQIENRDSLQSLKKELDSVGKDVAVEAANVSQIRKTWAKKLADIHRELKSLYMEKSTFDTEFKV

400  
400

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RTASRN<sup>EE</sup>APLVNGQP<sup>V</sup>QLTE<sup>Q</sup>GIDLVK<sup>F</sup>LIS<sup>T</sup>NTGE<sup>P</sup>LKSLSKVASGGELSRV<sup>M</sup>LA<sup>I</sup>KSIFSSQ<sup>Q</sup>DV<sup>T</sup>SIIFDE<sup>V</sup>DTGV

480  
480

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SGRVAQAIAEKIHKVSI GSQVLCITHLPQVAAMADTHLYIAKELKDGRITTRVKPLSKQEKVAEIGRMIAGVEVTDLTR  
SGRVAQAIAEKIHKVSI GSQVLCITHLPQVAAMADTHLYIAKELKDGRITTRVKPLSKQEKVAEIGRMIAGVEVTDLTR  
SGRVAQAIAEKIHKVSI GSQVLCITHLPQVAAMADTHLYIAKELKDGRITTRVKPLSKQEKVAEIGRMIAGVEVTDLTR

560  
560

logo

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consensus

HAKELLKQADQVKTG

HAKELLKQADQVKTG

!!!!!!!!!!!!!!

576

576

- X

non conserved
- X

similar
- X

≥ 50% conserved