

logo

NTDB id 144859 AAV29 RS12325 WP 043867279.1
NTDB id 352 BSU 24240 NP 390304.2
consensus

MLAELS IKNFAI I EELT ySFERGLTVLTGETGAGK S I I I D a y S L L V G G R S S E F V R Y G E T K A E L E G L F L L D S G H P V F E V C
MLAELS IKNFAI I EELT ySFERGLTVLTGETGAGK S I I I D a y S L L V G G R S S E F V R Y G E T K A E L E G L F L L D S G H P V F E V C
MLAELS IKNFAI I EELT ySFERGLTVLTGETGAGK S I I I D a y S L L V G G R S S E F V R Y G E A K A E L E G L F L L S G H P V L G V C

80
80

logo

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consensus

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

160
160

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A Y H E G V E R Y M K L L K K Y K K L S E S E Q E M A H R L D L I Q F Q L E E I E S A K L E L N E D E L Q E E R K Q I S N F E K I Y E S L Q N A Y N A L R S E
 A Y H E G V E R Y M K L L K K Y K K L S E S E Q E M A H R L D L I Q F Q L E E I E S A K L E L N E D E L Q E E R K Q I S N F E K I Y E S L Q N A Y N A L R S E
 T Y Q E G V Q R Y Y K L L K K L K Q L S E S E Q E M A H R L D L I Q F Q L E E I E S A K L E L N E D E L Q E E R Q Q I S N F E K I Y E S L Q N A Y N A L R S E
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240
240

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QGGLDVWGMSAQL^QEDISDINEPL^QKK^MSESVS^SSYLL^SEDATFQMRN^MLD^LLE^FYDPERLN^FY^FETRLNEIKQLKRKYGATV
 QGGLDVWGMSAQL^QEDISDINEPL^QKK^KSESVS^SSYLL^SEDATFQMRN^LLD^LLE^FYDPERLN^FY^FETRLNEIKQLKRKYGATV
 QGGLDVWGMSAQL^QEDISDINEPL^QKK^KSESVS^SSYLL^SEDATFQMRN^LLD^LLE^FYDPERLN^FY^FETRLNEIKQLKRKYGATV
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320
320

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EDILEY^G_ASKIEEEEIDQIENRDSHL^{QS}_{EA}LKKEL^S_DSVGKDVAVEAAN^S_KIRKTAWAKKLAD^{EE}_{DA}IHQEL^S_KSLYM^E_GKSTFDTEF^k_V

EDILEYCSKIEEEEIDQIENRDSHLEALLKKELBSVGKDVAVEAANSCKIRKTAWAKKLADAITHQELQSLYMGKSTFDTEFLV
EDILEYASKIEEEEIDQIENRDSHLQSLLKKELBSVGKDVAVEAANSQIRKTWAKKLADIETHRELKSLYMEKSTFDTEFKV

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400
400

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consensus

RTDSSNS EAPLVNGQSVQLTQQGIDLVKFLISTNTGEPLKSLSKVASGGELSRVMLAMKSI FSSQQDVTSLIFDEVDTGV
 RTAPRAEEAPLVNGQSVQLTQKQKIDLVKFLISTNTGEPLKSLSKVASGGELSRVMLAMKSI FSSQQDVTSLIFDEVDTGV
 KTDPASAEAPLVNGQSVQLTQKIDLVKFLISTNTGEPLKSLSKVASGGELSRVMLAMKSI FSSQQDVTSLIFDEVDTGV
 RTASRNEEAPLVNGQSVQLTEQIDLVKFLISTNTGEPLKSLSKVASGGELSRVMLAMKSI FSSQQDVTSLIFDEVDTGV

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480
480

logo

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consensus

SGRVAQAIAEKIHKVSTGSQVLCITHLPQVAAMADTHLYIAKEFKDGRITTHVTPLSKQDKVAEIGRMIAGVEVTDLTKR
SGRVAQAIAEKIHKVSTGSQVLCITHLPQVAAMADTHLYIAKEFKDGRITTHVTPLSKQDKVAEIGRMIAGVEVTDLTKR
SGRVAQAIAEKIHKVSTGSQVLCITHLPQVAAMADTHLYIAKEFKDGRITTHVTPLSKQDKVAEIGRMIAGVEVTDLTKR

560
560

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consensus

HAQELLKQAGQVKTTG

HAQELLKQAGQVKTTG

HAQELLKQADQVKTTG

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

576

576

- X

non conserved
- X

similar
- X

≥ 50% conserved