

logo

NTDB id 289960 DDT09 RS12025 WP 007408359.1
NTDB id 352 BSU 24240 NP 390304.2
consensus

MLAELS IKNFAI I EELT ySFERGLTVLTGETGAGK S I I I D A yS 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 V 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 L 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 E S G H P V L G V C

80
80

logo

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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 K H L E L L D R 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 D K H L E L L D R 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

logo

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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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QGGLDVWGMSAQL¹EDISDINEPL²Q³K⁴SESVS⁵SSYYLLEDATFQMRN⁶LD⁷LE⁸Y⁹DPERLN¹⁰Y¹¹ETRLNEIKQLKRKYGATV
 QGGLDVWGMSAQL¹EDISDINEPL²Q³K⁴SESVS⁵SSYYLLEDATFQMRN⁶LD⁷LE⁸Y⁹DPERLN¹⁰Y¹¹ETRLNEIKQLKRKYGATV
 QGGLDVWGMSAQL¹EDISDINEPL²Q³K⁴SESVS⁵SSYYLLEDATFQMRN⁶LD⁷LE⁸Y⁹DPERLN¹⁰Y¹¹ETRLNEIKQLKRKYGATV
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320
320

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EDILEY^GSKIEEEIDQENRDSHL^{QS}EAL^{EA}LKKE^{ES}VGKDVAVEAAN^{YS}Q^QIRK^{TA}WAKKL^{AD}EE^{EE}HR^{HR}ELKSLY^{ME}MKSTFDTEF^kLV

EDILEY^GSKIEEEIDQENRDSHL^{QS}EAL^{EA}LKKE^{ES}VGKDVAVEAAN^{YS}Q^QIRK^{TA}WAKKL^{AD}EE^{EE}HR^{HR}ELKSLY^{ME}MKSTFDTEF^kLV

EDILEY^{*}ASKIEEEIDQENRDSHL^{QS}LKKE^{*}VGKDVAVEAAN^{*}YS^{*}Q^{*}IRK^{*}TWAKKL^{*}AD^{*}EE^{*}HR^{*}ELKSLY^{*}ME^{*}MKSTFDTEF^kLV

400
400

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

480
480

logo

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consensus

SGRVAQAI AEKIHKVS TGSQVLC ITHLPQVAAMADTHLYIAKE F KDGR TTT RV K PLSKQ D KVAE IGRMIAGVEVTDLT KR
SGRVAQAI AEKIHKVS TGSQVLC ITHLPQVAAMADTHLYIAKE F KDGR TTT HVT PLSKQ D KVAE IGRMIAGVEVTDLT KR
SGRVAQAI AEKIHKVS TGSQVLC ITHLPQVAAMADTHLYIAKE L KDGR TTT RV K PLSKQ E KVAE IGRMIAGVEVTDLT KR

560
560

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consensus

HAQELLKQAGQVKTTG

HAQELLKQAGQVKTTG

HAQELLKQADQVKTTG

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

576

576

- X

non conserved
- X

similar
- X

≥ 50% conserved