

logo

NTDB id 183484 A8142 RS11065 WP 032874060.1
NTDB id 352 BSU 24240 NP 390304.2
consensus

MAELS IKNF A I EEL T Y S F E R G L T V L T G E T G A G K S I I I D A Y S L L V G G R S S E F V R Y G E T A K A E L E G L F L L D S G H P V F D V C
 MAELS IKNF A I EEL T Y S F E R G L T V L T G E T G A G K 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 D V C
 MAELS IKNF A I EEL T Y S F E R G L T V L T G E T G A G K S I I I D A I 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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consensus

R EQGIDxSDbMVMRRD|STSGKSVCRVNGKLVTTIAS|LREIGRLLLDIHGQHDNQLLMEDbKHLELLDRFAGAEVESALQ
 A EQGIDA|SDDMIVMRRDI|NAG|GKSVCRVNGKLVTTIA|A|LREIGRLLLDIHGQHDNQLLMEDDKHLELLDRFAGAEVESALQ
 A EQGIDV|SDEMIVMRRDI|STS|GKSVCRVNGKLVTTIAS|S|LREIGRLLLDIHGQHDNQLLMEDENHLLQLLDKFAGAEVESALK

160
160

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A V H E G V R Y M L L K K Y 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 K Q I S N F E K I Y E S L Q N A Y N A L R S E
 A V H E G V R Y M L L K K Y 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 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 C E G Y Q R Y Y K L L K K I 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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QGGLDWVGMSAQL¹ED²ISD³INEPL⁴Q⁵K⁶SES⁷V⁸S⁹SY¹⁰LL¹¹ED¹²AT¹³FQ¹⁴M¹⁵R¹⁶N¹⁷L¹⁸LD¹⁹LE²⁰Y²¹F²²DP²³ER²⁴L²⁵N²⁶Y²⁷I²⁸ET²⁹R³⁰L³¹NE³²I³³K³⁴Q³⁵L³⁶K³⁷R³⁸K³⁹Y⁴⁰G⁴¹A⁴²T⁴³V⁴⁴

QGGLDWVGMSAQL¹ED²ISD³INEPL⁴Q⁵K⁶SES⁷V⁸S⁹SY¹⁰LL¹¹ED¹²AT¹³FQ¹⁴M¹⁵R¹⁶N¹⁷L¹⁸LD¹⁹LE²⁰Y²¹F²²DP²³ER²⁴L²⁵N²⁶Y²⁷I²⁸ET²⁹R³⁰L³¹NE³²I³³K³⁴Q³⁵L³⁶K³⁷R³⁸K³⁹Y⁴⁰G⁴¹A⁴²T⁴³V⁴⁴

QGGLDWVGMSAQL¹ED²ISD³INEPL⁴Q⁵K⁶SES⁷V⁸S⁹SY¹⁰LL¹¹ED¹²AT¹³FQ¹⁴M¹⁵R¹⁶N¹⁷L¹⁸LD¹⁹LE²⁰Y²¹F²²DP²³ER²⁴L²⁵N²⁶Y²⁷I²⁸ET²⁹R³⁰L³¹NE³²I³³K³⁴Q³⁵L³⁶K³⁷R³⁸K³⁹Y⁴⁰G⁴¹A⁴²T⁴³V⁴⁴

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320

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EDILEY^GSKI^AEEEIDQIENRDSHL^QSEAL^ELKKEL^DSVGKDVAVEAAN^LYS^QIRK^ATWAKKL^AEE^DIR^HELKSLY^MMEKSTFDTEF^KLV

EDILEY^GSKI^AEEEIDQIENRDSHL^QSEAL^ELKKEL^DSVGKDVAVEAAN^LYS^QIRK^ATWAKKL^AEE^DIR^HELKSLY^MMEKSTFDTEF^KLV

EDILEY^ASKI^AEEEIDQIENRDSHL^QSEAL^ELKKEL^DSVGKDVAVEAAN^LYS^QIRK^ATWAKKL^AEE^DIR^HELKSLY^MMEKSTFDTEF^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 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 M K S I F S S Q Q D V T S I I F D E V D T G V
K I A P R A E E A P V N G Q P V Q L T E 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
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 M K S I F S S Q Q D V T S I I F D E V D T G V

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480
480

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SGRVAQAIAEKIHKVSTGSQVLCITHLPQVAAMADTHLYIAKEFKDGRTTTHVPLSKQDKVAEIGRMIAGVEVTDLTKR
 SGRVAQAIAEKIHKVSTGSQVLCITHLPQVAAMADTHLYIAKEFKDGRTTTHVPLSKQDKVAEIGRMIAGVEVTDLTKR
 SGRVAQAIAEKIHKVSTGSQVLCITHLPQVAAMADTHLYIAKEFKDGRTTTHVPLSKQDKVAEIGRMIAGVEVTDLTKR

560
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HAQELLKQAGQVKTTG

HAQELLKQAGQVKTTG

HAQELLKQADQVKTTG

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

576

576

- X

non conserved
- X

similar
- X

≥ 50% conserved