logo

```
NTDB id 372395 FK728 RS14890 WP 000658887.1  MKEILKTLTEAMTLPEDSYSEQDAEFLEIFIEEIEEIFVDLQPLINKWMQSENIATLTEIRRHFHTLKGSGRMIGAKSSA   80
NTDB id 1046 H0N27 RS03130 WP 168726941.1     MKEILKTLTEAMTLPEDSYSEQDAEFLEIFIEEIEEIFVDLQPLINKWMQSENIATLTEIRRHFHTLKGSGRMIGAKSSA   80
consensus                                     !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
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logo

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NTDB id 372395 FK728 RS14890 WP 000658887.1  ELAWAVEDTLNRVINQSLQLTPTIQSYVQLVFKFYFLKLVDNFKQKRAHTLDFRPLILLGQQLQQQQSLEPALEELLQLS   160
NTDB id 1046 H0N27 RS03130 WP 168726941.1     ELAWTVEDTLNRVINQSLQLTPTIQSYVQLVFKFYFLKLVDNFKQKRAHTLDFRPLILLGQQLQQQQSLEPALEELLQLS   160
consensus                                     !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
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logo

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NTDB id 372395 FK728 RS14890 WP 000658887.1  NTLMAETVTGLELDYIEQDSLAEPIIQATHTEIEINLDETLTLFMEEAEEHLATIHQFLDQELHQYDSYNALIRALHTLR   240
NTDB id 1046 H0N27 RS03130 WP 168726941.1     HTLMAETVTGLELDYIEQDSLAEPIIQATHTEIEINLDETLTLFMEEAEEHLATIHQFLDQELHQYDSYNALIRALHTLR   240
consensus                                     *!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
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logo

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NTDB id 372395 FK728 RS14890 WP 000658887.1  GSSAMAQVETIFEASTKVEHLFKILLQEELSSHSEEILLLQEYREFVRDSLELLSRYSSSEQLEARLQQFNQFWDAYVEQ   320
NTDB id 1046 H0N27 RS03130 WP 168726941.1     GSSAMAQVETIFEASTKVEHLFKILLQEELSSHSEEILLLQEYREFVRDSLELLSRYSSSEQLEARLLQFNQSWDAYVEQ   320
consensus                                     !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!  !!!!!
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logo

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NTDB id 372395 FK728 RS14890 WP 000658887.1  HGDRTDPLMPSHGLVSQLLQLDVSELLDAELDFEKGIRNEFPDYLERLSEQADLLLQHTHSQAMLGLHEYTSQLKESYEV   400
NTDB id 1046 H0N27 RS03130 WP 168726941.1     HGDRTDPLMPSHGLVSQLLQLDVSELLDAELDFEKGIRNEFPDYLERLSEQADLLLQHTHSQAMLGLHEYTSQLKESYEV   400
consensus                                     !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
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logo

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NTDB id 372395 FK728 RS14890 WP 000658887.1  LLDKPALLQSDYIFEIYQKAHQQLIQLFDALAAGQRVGVVKQHQSILEELKLYTQYTPDLSNDLPQQDSTSFEPISNIEP   480
NTDB id 1046 H0N27 RS03130 WP 168726941.1     LLDKPALLQSDYIFEIYQKAHQQLIQLFDALAAGQRVGVVKQHQSILEELKLYTQYTPDISNDLPQQDSTSFEPIYNIEP   480
consensus                                     !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!*!!!!!!!!!!!!!!! !!!!
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logo

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NTDB id 372395 FK728 RS14890 WP 000658887.1  EPEVVATVENFSDSADWAVLGQSVQQDRQYISSTQVNRNFDADLLDIFLEEAEELLEGIDTDLNIWVGEQENFAALNNLM   560
NTDB id 1046 H0N27 RS03130 WP 168726941.1     EPEVVATVENFSDSADWAVLGQSVQQDRQYISSTQVNRNFDADLLDIFLEEAEELLEGIDTDLNIWVGEQENFAALNNLM   560
consensus                                     !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
```

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logo                                              RYLHTLKGGANMVQATYLGLIAHELESIYERLIQKQLVVTSDLIDFIRLVQDDLADRLQIMREQQLDYAAPYTINALKRA

NTDB id 372395 FK728 RS14890 WP 000658887.1       RYLHTLKGGANMVQATYLGLIAHELESIYERLIQKQLVVTSDLIDFIRLVQDDLADRLQIMREQQLDYAAPYTINALKRA      640
NTDB id 1046 H0N27 RS03130 WP 168726941.1         RYLHTLKGGANMVQATYLGLIAHELESIYERLIQKQLVVTSDLIDFIRLVQDDLADRLQIMREQQLDYAAPYTINALKRA      640
consensus                                         !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!


logo                                              GQNSNFQPLPVVEAFDTESEYFSEQKVISEYIIDEIPVELEPALAELETHHDQVFDTAVTELATPVEMITSVTSQENRVA

NTDB id 372395 FK728 RS14890 WP 000658887.1       GQNSNFQPLPVVEAFDTESEIFSEQEVISEVIIDEIPVELEPALAELETHHDQVFDTAVTELATPVEVITSVTSQENRVA      720
NTDB id 1046 H0N27 RS03130 WP 168726941.1         GQNSNFQPLPVVEAFDAESEVFSEQKVISEIIIDEIPVELEPALAELETHHDQVFDTAVTELATPVEMITTVTSQENEVA      720
consensus                                         !!!!!!!!!!!!!!!!*!!!*!!!!!*!!!!*!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!*!!*!!!!!!! !!


logo                                              ANEQDIEAVVEQTFLEEATELLEMAESLLKQWFEQRTNRSILLQLQRAVHSLKGGARMVGLEAVQAIAYQLENAFEQFAL

NTDB id 372395 FK728 RS14890 WP 000658887.1       ANEQDIEAVVEQTFLEEATELLEMAESLLKQWFEQRTNRSILLQLQRAVHSLKGGARMVGLEAVQAIAYQLENAFEQFAL      800
NTDB id 1046 H0N27 RS03130 WP 168726941.1         ANEQDIEAVVEQTFLEEATELLEMAESLLKQWFEQRTNRSILLQLQRAVHSLKGGARMVGLEAVQAIAYQLENAFEQFAL      800
consensus                                         !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!


logo                                              HHFNSNIYDHLLESAIAWLKDAIFNHNYQHFDGLQQSLENIQFFETTIQIPTKLTRADLFSSEPVMTFIQGDGTEPPPMM

NTDB id 372395 FK728 RS14890 WP 000658887.1       HHFNSNIYDHLLESAIAWLKDAIFNHNYQHFDGLQQSLENIQFFETTIQIPTKLTRADLFSSEPVMTFIQGDGTEPPPMM      880
NTDB id 1046 H0N27 RS03130 WP 168726941.1         HHFNSNIYDHLLESAIAWLKDAIFNHNYQHFDGLQQSLENIQFFETTIQIPTKLTRADLFSSEPVMTFIQGDGTEPPPMM      880
consensus                                         !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!


logo                                              GAWEQTERLDQNNEMIRVSADLIEKMIDLSGENSINRSRIEMDLSQFSHTLVEMELAIQRLADQLRRMEGELETQIIAKH

NTDB id 372395 FK728 RS14890 WP 000658887.1       GAWEQTERLDQNNEMIRVSADLIEKMIDLSGENSINRSRIEMDLSQFSHTLVEMELAIQRLADQLRRMEGELETQIIAKH      960
NTDB id 1046 H0N27 RS03130 WP 168726941.1         GAWEQTERLDQNNEMIRVSADLIEKMIDLSGENSINRSRIEMDLSQFSHTLVEMELAIQRLADQLRRMEGELETQIIAKH      960
consensus                                         !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!


logo                                              GIEHSRYTDFDPLEMDQYSSLNQLSKSLAESASDLVDFKNTLSDKIRDTESLLLQQSRIQAEIQEGLMRTRLVPFSRLLP

NTDB id 372395 FK728 RS14890 WP 000658887.1       GIEHSRYTDFDPLEMDQYSSLNQLSKSLAESASDLVDFKNTLSDKIRDTESLLLQQSRIQAEIQEGLMRTRLVPFSRLLP     1040
NTDB id 1046 H0N27 RS03130 WP 168726941.1         GIEHSRYTDFDPLEMDQYSSLNQLSKSLAESASDLVDFKNTLSDKIRDTESLLLQQSRIQAEIQEGLMRTRLVPFSRLLP     1040
consensus                                         !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!


logo                                              RLQRIVRQTSTALNRPAELFVNNTEGELDRNILERLVTPLEHMLRNAIGHGLEDRAQRQQANKPETGRIELNIQRQGTDV

NTDB id 372395 FK728 RS14890 WP 000658887.1       RLQRIVRQTSTALNRPAELFVNNTEGELDRNILERLVTPLEHMLRNAIGHGLEDRAQRQQANKPETGRIELNIQRQGTDV     1120
NTDB id 1046 H0N27 RS03130 WP 168726941.1         RLQRIVRQTSTALNRPAELFVNNTEGELDRNILERLVTPLEHMLRNAIDHGLEDRAQRQQANKPETGRIELNIQRQGTDV     1120
consensus                                         !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!! !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
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logo

NTDB id 372395 FK728 RS14890 WP 000658887.1   VVVFSDDGQGIDVEKVRQKALLAGLIKPEQDLEQQDILQLIFHPGLSTAEQVTQISGRGVGLDVVQSDIKSLGGHVSVES   1200
NTDB id 1046 H0N27 RS03130 WP 168726941.1   VVVFSDDGQGIDVEKVRQKALLAGLIKPEQDLEQQDILQLIFHPGLSTAEQVTQISGRGVGLDVVQSDIKSLGGHVSVES   1200
consensus   !!

logo

NTDB id 372395 FK728 RS14890 WP 000658887.1   VYGQGTTFTIRVPTTVAVSDALMVKVADQQFAIPLAQIDRIIRVSPASLEQYFESPQELFEYENKRYPLRYLSEFVGNQP   1280
NTDB id 1046 H0N27 RS03130 WP 168726941.1   VYGQGTTFTIRVPTTVAVSDALMVKVADQQFAIPLAQIDRIIRVSPASLEQYFESPQELFEYENKRYPLRYLSEFVGNQP   1280
consensus   !!

logo

NTDB id 372395 FK728 RS14890 WP 000658887.1   IPRLNGVMYSLPVLMIKANNGQTVALLVDQLIGSRAQIVVKPIGQQFSSIGAIAGATILGDGQVCLILDGQNIARQIQST   1360
NTDB id 1046 H0N27 RS03130 WP 168726941.1   IPRLNGVMYSLPVLMIKANNGQTVALLVDQLIGSRAQIVVKPIGQQFSSIGAIAGATILGDGQVCLILDGQNIARQIQST   1360
consensus   !!

logo

NTDB id 372395 FK728 RS14890 WP 000658887.1   QRHKQLSEAVYRQRESDERRLIMIVDDSVTVRKVTSRLLERQGYDVVTAKDGVDAIEQLENIKPDLMLLDIEMPRMDGFE   1440
NTDB id 1046 H0N27 RS03130 WP 168726941.1   QRHKQLSEAVYRQRESDERRLIMIVDDSVTVRKVTSRLLERQGYDVVTAKDGVDAIEQLENIKPDLMLLDIEMPRMDGFE   1440
consensus   !!

logo

NTDB id 372395 FK728 RS14890 WP 000658887.1   VLNLVRHHDMHQYMPIIMITSRTGEKHRERAFSLGVSQYMGKPFQEEELLENIDALLVASESEVKS   1506
NTDB id 1046 H0N27 RS03130 WP 168726941.1   VLNLVRHHDMHQYMPIIMITSRTGEKHRERAFSLGVSQYMGKPFQEEELLENIDALLVAFESEVKS   1506
consensus   !!! !!!!!!

X non conserved
X similar
X ≥ 50% conserved