logo

```
NTDB id 186785 A0031 RS05590 WP 071677020.1   MSAPRGGLGLGLGLGGVLGALGLLHPWALLLALPLLPLFRLPLAAGLALVLLRGFLFPLPEPPYGKRLEGVFAVRGGFTS   80
NTDB id 1035 TT RS08105 WP 011173974.1        .MRPSWTWGVGLGAGALVAAWGLFAPWAF.LGLGLLPFLRLPFALGFGLVLARALFFPLPEPPWGAAVEGVFAVRGGFTR   78
consensus                                     *  !    !*!!! !****! !! *!!! *!*!*!!!  !!! ! ! *!!! !*  !!!!!!!*!  *!!!!!!!!!!!
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logo

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NTDB id 186785 A0031 RS05590 WP 071677020.1   AEGYRLYVRHYPPLPDGVYRLVGYIAPPETRRNPGGFDQGTWLRSLGVRGVFHVEQKEALAPLPDPREAWRRRLVQGLSP   160
NTDB id 1035 TT RS08105 WP 011173974.1        AEGHLLWVSHYPPLPDGRYRLRGRIAPPQGRTNPGGFDQRAWLLSRGAKGVLRAESAEPLGPLPDWREGFRERLGAGLSL   158
consensus                                     !!!* !*! !!!!!!!! !!! ! !!!!  ! !!!!!!!  !! ! ! *!! *  ! !*!*!!!!*!!**! !!  !!!*
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logo

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NTDB id 186785 A0031 RS05590 WP 071677020.1   PVAELTEGLVLGDKEGLEAAYAWFQKAGLAHLLALSGLHVGFLLGAV..LVLPLGRWRYLLALLLLPFYLWLAGPSPSLV   238
NTDB id 1035 TT RS08105 WP 011173974.1        EAREVVEGLVLGDKGGLETAYPLFQRAGLAHLLALSGLHVGVLVGFAVLGLYPLGRWRYLLALALLPFYLLLAGPSPSLV   238
consensus                                     *  !* !!!!!!!! !!! !!* !!*!!!!!!!!!!!!!!! !*!  ** * !!!!!!!!!!! !!!!!! !!!!!!!!!
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logo

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NTDB id 186785 A0031 RS05590 WP 071677020.1   RASLMAGLSLLGLFLGLGTAGVLQALGLALFLQLLLAPHALLSLGLQLSYLAVLGLALVLPALERPSGLRGYVASALAAT   318
NTDB id 1035 TT RS08105 WP 011173974.1        RASLMAGLSLLGLFLGLGGAGVVQALGLALFLQLLLRPEALLGLGFQLSYLAVLGLALVLPALRLPPGPRGYLLGGVAAS   318
consensus                                     !!!!!!!!!!!!!!!!!! !!!*!!!!!!!!!!!!! !*!!! !! !!!!!!!!!!!!!!!!!  !*!*!!!*  **!!*
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logo

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NTDB id 186785 A0031 RS05590 WP 071677020.1   LAAQALLVPLLLHRFGFLPLLSPLTNLLALPLVALLVPLGFLKLFLGGLLAPLAEPLGQALLGLAQMGAKGPLLRWGEIS   398
NTDB id 1035 TT RS08105 WP 011173974.1        LAVQAFLLPLLLHRFGFAPLLAPLANLLALPLVALLVPLGFLKLFLGALPAPLVEPLARGLLLLAGLAAQGPLLRWGEIA   398
consensus                                     !! !! !*!!!!!!!!! !!! !! !!!!!!!!!!!!!!!!!!!!!!*!*!!! !!!* *!! !! **! !!!!!!!!!
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logo

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NTDB id 186785 A0031 RS05590 WP 071677020.1   PLGFALYYLGLLPLLAALHRKIPWRKALLLTSLPILASLLAAWPKPLDLHLLDVGQGDALLARMGGAEVLVDGGRSEQAE   478
NTDB id 1035 TT RS08105 WP 011173974.1        PPGFALYYLGLLPLLFALHRRLPWRRALLLASLPALVGLLAAWPKPLDLWMLDVGQGDALLARMGGGEVLVDGGRAEKGE   478
consensus                                     !*!!!!!!!!!!!!! !!!!**!!!*!!!! !!! !  !!!!!!!!!!!**!!!!!!!!!!!!!!!*!!!!!!!! ! *!
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logo

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NTDB id 186785 A0031 RS05590 WP 071677020.1   KLLRALRALGIEDLELLVATHPDADHAGSLPQVVAELPIGLALLSPAFPQDHPLVQALKAKGVPTLYPGAGSRFRVGKGE   558
NTDB id 1035 TT RS08105 WP 011173974.1        AVVRALRALGVEALELLVATHPDADHYGGLFRVIEEVPVGLALLAPGFPEDHPLAEALRARGVPVVRAGAGTRLKVGQGE   558
consensus                                      **!!!!!!!*! !!!!!!!!!!!!! ! !* !* !*!*!!!!! !*!! !!!!  !!*!*!!! * *!!!*! *!! !!
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logo
NTDB id 186785 A0031 RS05590 WP 071677020.1  VRVLWPARLSRDENRDGLALLLDFGRGQALLLADLPVEVERALEVGPVDVLKVSHHGSRTGTSETLVSQAKPKVALIGVG   638
NTDB id 1035 TT RS08105 WP 011173974.1       VRVLWPEALSGDDNQDGLALLLDFGRGRALLLADLPREVEARLPVGEVEALKVSHHGSQSGTSEVLLERTRPRVALIGVG   638
consensus                                    !!!!!!  !! !*! !!!!!!!!!!!! !!!!!!!! !!!  !*!!*!* !!!!!!!! *!!!! !*   *!*!!!!!!!
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logo
NTDB id 186785 A0031 RS05590 WP 071677020.1  NNPFGHPHPEVVKRLEGRGVQVFRTDRDGAVRVLFGYAW   677
NTDB id 1035 TT RS08105 WP 011173974.1       PNPFGHPHPEVLERLERHGAEIRRTDQDGAVRVLFGYAW   677
consensus                                    *!!!!!!!!!!* !!! *!  * !!! !!!!!!!!!!!!
```

X non conserved

X similar

X $\geq$ 50% conserved