logo

```
NTDB id 90110 LDP65 RS24530 WP 126609826.1   MSNFTAKPLPSFIENKLETYLEKHIYSRNNGKHIVQGLQPSDDSIVLRSNDYLAICNHDYIKARQINALSNATREPIMSA   80
NTDB id 1155 A1552VC RS17030 WP 001039912.1  ...MNKPQLPDFIQNKIDHYIENYFDINKNGKHLVLGKQASPDDIILQSNDYLALANHPLIKARLAKSLLEEQQSLFMSA   77
consensus                                    *** **!! !! !!***!*! * !!!!*! ! !*!*! !*! !!!!!!**!!* !!!! ! * !!!
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logo

```
NTDB id 90110 LDP65 RS24530 WP 126609826.1   VFQSQTVDESSFEQKFADFLGFDHCIITQSGWAANVGLLQTIADQDTHVYIDFFAHMSLWHGAQNAGSKIHPFLHNKPKN  160
NTDB id 1155 A1552VC RS17030 WP 001039912.1  SFLQNDYDKPMIEKRLAKFTGFDECLLSQSGWNANVGLLQTICQPNTNVYIDFFAHMSLWEGARYANAQAHPFMHNNCDH  157
consensus                                     !  *  ! *  ! * ! ! !!!*!***!!!! !!!!!!!!!* * !*!!!!!!!!!!!!*!!  !    !!!*!!   *
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logo

```
NTDB id 90110 LDP65 RS24530 WP 126609826.1   LLKQVKKYGPGIVVIDSVYSTHGTVAPLKEFVEVANEQGCAIIVDESHSIGTHGPDGAGLLSELGLTDKVDFVTTSLAKT  240
NTDB id 1155 A1552VC RS17030 WP 001039912.1  LRMLIQRHGPGIIVVDSIYSTLGTIAPLAELVNISKEFGCALLVDESHSLGTHGPNGAGLLAELGLTREVHFMTASLAKT  237
consensus                                    !   * **!!!!*!*!!*!!!*!!*!!! ! ! *  ! !!!**!!!!!!*!!!!! !!!!! !!!!!  !*!*! !!!!!
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logo

```
NTDB id 90110 LDP65 RS24530 WP 126609826.1   FSYRAGAILCHHKVHECLPFISLPAIFSSGIIPYEMEALKATLELIKKSDHRREDLFNKSHKLISGLKSLDIRTDSNSQI  320
NTDB id 1155 A1552VC RS17030 WP 001039912.1  FAYRAGAIWCNNEVNRCVPFISYPAIFSSTLLPYEAAGLETTLEIIESADNRRQHLDRMARKLRIGLSQLGLTIRSESQI  317
consensus                                    ! !!!!!! !** !* !*!!!! !!!!!! **!!!  *!  !!!*!   !*!! *!   *!!  !!  ! *  ! !!!
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logo

```
NTDB id 90110 LDP65 RS24530 WP 126609826.1   VAIETGTEENTERVRDFFEFNGIFGAVFCSPATPKNKSVIRLSVNSEVSDAQLDKVLTVCSLAKEQGLLS..   390
NTDB id 1155 A1552VC RS17030 WP 001039912.1  IGLETGDERNTEKVRDYLESNGVFGSVFCRPATSKNKNIIRLSLNSDVNDEQIAKIIEVCSDAVNYGDFYFR   389
consensus                                    ***!!! ! !!!*!!!* ! !!*!! !!! !!!*!!! *!!!!*!!*! ! !* !** !!! !   !    **
```

X non conserved
X similar
X ≥ 50% conserved