```
logo

NTDB id 1148317 VTAP4600 RS13385 WP 102523246.1  .............MATMKDVAQLAGVSTATVSRALMNPEKVSSTTRKRIEDAVMESGYSPNSLARNLRRNESKTIITIVP   67
NTDB id 1158 ABDM36 RS01105 WP 000224452.1       .............MATMKDVAQLAGVSTATVSRALMNPEKVSSSTRKRVEEAVLEAGYSPNSLARNLRRNESKTIVAIVP   67
NTDB id 1290 VP RS01235 WP 254894148.1           MTSSWQKFERLNTMATMKDVAQLAGVSTATVSRALMNPEKVSSSTRKRVEDAVLEAGYSPNSLARNLRRNESKTIVTIVP   80
consensus                                                  !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!*!!!!*!*!!*!*!!!!!!!!!!!!!!!!!!!!!**!!!

logo

NTDB id 1148317 VTAP4600 RS13385 WP 102523246.1  DICDSYFTEIIRGIEDAAVENGYLVLLGNSGQQQKRESSLVNLVFTKQADGMLLLGTHLPFDVSKPEQKNLPPLVMACEF  147
NTDB id 1158 ABDM36 RS01105 WP 000224452.1       DICDPYFSEIIRGIEDAAMEHGYLVLLGDSGQQKRRENSFVNLVFTKQADGMLLLGTDLPFDVSKPEQKNLPPMVMACEF  147
NTDB id 1290 VP RS01235 WP 254894148.1           DICDPYFSEIIRGIEDAAMEHGYLVLLGDSGQQKKRESSFVNLVFTKQADGMLLLGTDLPFDVSKPEQKNLPPMVMACEF  160
consensus                                        !!!!*!!*!!!!!!!!!!*!*!!!!!!!!*!!!!**!!*!*!!!!!!!!!!!!!!!!!!*!!!!!!!!!!!!!!!!*!!!!!!

logo

NTDB id 1148317 VTAP4600 RS13385 WP 102523246.1  APELELPTVHIDNLTSSFEAVNYLTQMGHRNIAQITGPAEAVLCQFRSQGYQQALRRSGIPMNPTYKEEGDFSFESGERA  227
NTDB id 1158 ABDM36 RS01105 WP 000224452.1       APELELPTVHIDNLTSAFEAVNYLTQLGHKRIAQISGPQHAALCQFRHQGYQQALRRAGITMNPTYCTFGDFTFEAGAKA  227
NTDB id 1290 VP RS01235 WP 254894148.1           APELELPTVHIDNLTSAFEAVNYLTQLGHKRIAQISGPDTAVLCQFRQQGYQQALRRAGISKDPQYSVITEFSFDGGAKA  240
consensus                                        !!!!!!!!!!!!!!!!!!*!!!!!!!!!*!!**!!!!*!!  !*!!!!! !!!!!!!!!*!!***!*!   **!*!**!**!

logo

NTDB id 1148317 VTAP4600 RS13385 WP 102523246.1  IAKLLSLPEPPTAIFCHNDVMAIGAIQKAKKLGFKVPEDISFVGFDNVQFSEYCDPPLTTISQPRYEIGRQAMLMLLELL  307
NTDB id 1158 ABDM36 RS01105 WP 000224452.1       VRQLLALPEQPTAIFCHNDTMAIGAIQEAKRLGLRVPQDLSVVGFDDIQFAQYCDPPLTTISQPRYEIGRQAMLMMLELL  307
NTDB id 1290 VP RS01235 WP 254894148.1           VRKLLELPEPPTAIFCHCDTMAIGAIQEAKRLGLRVPQDLSVVGFDDINFAQYCDPPLTTISQPRYEIGRQAMLMMLELL  320
consensus                                        ***!! !!!*!!!!!!!*!*!!!!!!!*!!*!!**!!*!*!*!!!!***!**!!!!!!!!!!!!!!!!!!!!!!!!*!!!!

logo

NTDB id 1148317 VTAP4600 RS13385 WP 102523246.1  KGNDVQAGSRLLETELIIRKSAAPPRS.   334
NTDB id 1158 ABDM36 RS01105 WP 000224452.1       RGHDVRAGSRLLETKLVVRESAAPPSKK   335
NTDB id 1290 VP RS01235 WP 254894148.1           KGHDVHSGSRLLETKLVVRGSAAPPQRA   348
consensus                                        *!*!! *!!!!!!!*!**! !!!!! *
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X non conserved

X similar

X ≥ 50% conserved