



```
logo
                                                  MATLLEKTRKITAILQDGVTDLQQELPYNSMTERLANVIDCNACVINTKGELLGYSLPYNTNNDRVDQFFYDRKLPDEYVRAAVR
                                                  MALLQKTRIINSMLQAAVTDAGKPVNFKEMAETLRDVIDSNIFVVSRRGKLLGYSINQQIENDRMKKMLEDRQFPEEYTKNLFN
NTDB id 82 BSU 16170 NP 389499.1                  .MALLQKTRIINSMLQAA...AGKPVNFKEMAETLRDVIDSNIFVVSRRGKLLGYSINQQIENDRMKKMLEDRQFPEEYTKNLFN   81
NTDB id 52245 LLC RS07645 WP 061777757.1          MATLLEKTRKITAILQDGVTDLQQELPYNSMTERLANVIDCNACVINTKGELLGYSLPYNTNNDRVDQFFYDRKLPDEYVRAAVR   85
NTDB id 605 V4T04 RS08565 WP 003129722.1          MATLLEKTRKITAILQDGVTDLQQELPYNSMTERLANVIDCNACVINTKGELLGYSLPYNTNNDRVDQFFYDRKLPDEYVRAAVR   85
consensus                                         ***!!*!!!*!***!!**************!*!*!**!!!*!**!****!*!!!!!******!!!******!!**!*!!******

logo
                                                  IYDTMANVPVDRPLAIFPEESLSDFPKGVTTLAPIYGSGMRLGTFIMWREDGEFTDDDLVLVELATTVIGVQLSNLKLEQMEENI
                                                  VPETSSNLDINSEYTAFPVENRDLFQAGLTTIVPIIGGGERLGTLILSRLQDQFNDDDLILAEYGATVVGMEILREKAEEIEEEA
NTDB id 82 BSU 16170 NP 389499.1                  VPETSSNLDINSEYTAFPVENRDLFQAGLTTIVPIIGGGERLGTLILSRLQDQFNDDDLILAEYGATVVGMEILREKAEEIEEEA  166
NTDB id 52245 LLC RS07645 WP 061777757.1          IYDTMANVPVDRPLAIFPEESLSDFPKGVTTLAPIYGSGMRLGTFIMWREDGEFTDDDLVLVELATTVIGVQLSNLKLEQMEENI  170
NTDB id 605 V4T04 RS08565 WP 003129722.1          IYDTMANVPVDRPLAIFPEESLGDFPKGVTTLAPIYGSGMRLGTFIMWREDGEFTDDDLVLVELATTVIGVQLSNLKLEQMEENI  170
consensus                                         ***!**!*********!!*!** *!**!*!!**!!*!*!*!!!!*!**!****!*!!!!*!*!***!!*!******!*!**!!**

logo
                                                  RKDTMATMAVNTLSYSEMKAVKAIIEELDGEEGHVIASVIADKIGITRSVIVNALRKLESAGVIESRSLGMKGTYLKVLNTGLFD
                                                  RSKAVVQMAISSLSYSELEAIEHIFEELDGNEGLLVASKIADRVGITRSVIVNALRKLESAGVIESRSLGMKGTYIKVLNNKFLI
NTDB id 82 BSU 16170 NP 389499.1                  RSKAVVQMAISSLSYSELEAIEHIFEELDGNEGLLVASKIADRVGITRSVIVNALRKLESAGVIESRSLGMKGTYIKVLNNKFLI  251
NTDB id 52245 LLC RS07645 WP 061777757.1          RKDTMATMAVNTLSYSEMKAVKAIIEELDGEEGHVIASVIADKIGITRSVIVNALRKLESAGIIESRSLGMKGTYLKVLNTGLFD  255
NTDB id 605 V4T04 RS08565 WP 003129722.1          RKDTMATMAVNTLSYSEMKAVKAIIEELDGEEGHVIASVIADKIGITRSVIVNALRKLESAGVIESRSLGMKGTYLKVLNTGLFD  255
consensus                                         !******!!***!!!!!**!***!*!!!!!*!!***!!*!!!**!!!!!!!!!!!!!!!!!!!*!!!!!!!!!!!!!*!!!!*****

logo
                                                  KLAGRNF
                                                  ELENLKSH
NTDB id 82 BSU 16170 NP 389499.1                  ELENLKSH   259
NTDB id 52245 LLC RS07645 WP 061777757.1          KLAGRNF.   262
NTDB id 605 V4T04 RS08565 WP 003129722.1          KLAGRNF.   262
consensus                                         *!*****
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X non conserved
X similar
X $\geq$ 50% conserved