```
logo

NTDB id 993320 AAHT66 RS01080 WP 087993039.1  MKSGVIPSSAVGQKINEWYKYIRTFSVPDAEVLKAEIQQELKHMQHDSNLLLYYSLMEFRHQLMLDYLEPLEKLNIEDQP   80
NTDB id 126 BSU 03770 NP 388259.1             MKSGVIPSSAVGQKINEWYRYIRTFSVPDAEVLKAEIQQELKHMQHDSNLLLYYSLMEFRHQLMLDYLEPLEKLNIEDQP   80
NTDB id 128 BSU 37460 NP 391626.1             .MTGVISSSSIGEKINEWYMYIRRFSIPDAEYLRREIKQELDQMEEDQDLHLYYSLMEFRHNLMLEYLEPLEKMRIEEQP   79
consensus                                     ***!!!*!!**!*!!!!!!*!!!*!!*!!!!*!**!!*!!!**!**!**!*!!!!!!!!!!*!!!*!!!!!!!**!!*!!

logo

NTDB id 993320 AAHT66 RS01080 WP 087993039.1  SLSELSRNIDSNQADLKGLLDYYVNFFRGMYEFDKREFISAITYYKQAEKKLSFVADHIERAEFYFKIAEAYYYMKQTYF   160
NTDB id 126 BSU 03770 NP 388259.1             SLSELSRNIDSNQADLKGLLDYYVNFFRGMYEFDKREFISAITYYKQAEKKLSFVADHIERAEFYFKIAEAYYYMKQTYF   160
NTDB id 128 BSU 37460 NP 391626.1             RLSDLLLEIDKKQARLTGLLEYYFNFFRGMYELDQREYLSAIKFFKKAESKLIFVKDRIEKAEFFFKMSESYYYMKQTYF   159
consensus                                     *!!*!***!!**!!*!*!!!*!!*!!!!!!!!!*!*!!**!!!***!*!!*!!*!!*!*!!*!!!*!!**!*!!!!!!!!!

logo

NTDB id 993320 AAHT66 RS01080 WP 087993039.1  SLINIKNAYEIYVEQETYNVRIIQCHFVYGVNLMDERNFEQAASHFKLALDMAEAEQKAQLVGRAYYNLGLCYYNQDILD   240
NTDB id 126 BSU 03770 NP 388259.1             SLINIKNAYEIYVEQETYNVRIIQCHFVFGVNLMDERNFEQAARHFKLALNMAQAEQKAQLVGRAYYNLGLCYYNQDLLD   240
NTDB id 128 BSU 37460 NP 391626.1             SMDYARQAYEIYKEHEAYNIRLLQCHSLFATNFLDLKQYEDAISHFQKAYSMAEAEKQPQLMGRTLYNIGLCKNSQSQYE   239
consensus                                     !******!!!!!*!*!*!!*!**!!!****!**!****!*!**!!**!* !!*!!***!!*!!**!!*!!!***!***

logo

NTDB id 993320 AAHT66 RS01080 WP 087993039.1  PAIDYFEKAVSTFESSRIINSLPQAYFLITLIYYKRGKHDKASAYHKRGYEYAKETDDADYAVKFEFLKSLYQDQPNEIG   320
NTDB id 126 BSU 03770 NP 388259.1             PAIDYFEKAVSTFESSRIVNSLPQAYFLITLIYYKQGKHDKASEYHKRGYEYAKETDDADYAVKFEFLQSLYLDQPNEEG   320
NTDB id 128 BSU 37460 NP 391626.1             DAIPYFKRAIAVFEESNILPSLPQAYFLITQIHYKLGKIDKAHEYHSKGMAYSQKAGDVIYLSEFEFLKSLYLSGPDEEA   319
consensus                                     *!!*!!**!***!!*!*!**!!!!!!!!!!*!*!! !!*!!!**!!**!**!*****!**!***!!!!*!!!***!*!**

logo

NTDB id 993320 AAHT66 RS01080 WP 087993039.1  IERCFQYLKNKNMYADIEDLALEVAKYYYEQKWFKLSASYFLKVEEARKQIQRSEGLYEIEI   382
NTDB id 126 BSU 03770 NP 388259.1             IERCFQYLKNKNMYADIEDLALEVAKYYYEQKWFKLSASYFLQVEEARKQIQRSEGLYEIEI   382
NTDB id 128 BSU 37460 NP 391626.1             IQGFFDFLESKMLYADLEDFAIDVAKYYHERKNFQKASAYFLKVEQVRQLIQGGVSLYEIEV   381
consensus                                     !***!**!**!**!!!*!!*!**!!!!!*!*!*!*****!!!*!!**!**!!****!!!!!*
```

X non conserved

X similar

X $\geq$ 50% conserved