```
logo

NTDB id 314766 CDG62 RS18425 WP 087528681.1   MLNSLSHEQIATITLWYLVQHSLSSFQKLQQHFGTSTKAVAASNLQIWSNLGLHKSHLQRAAEIQTPAGQIKLQTLLHDV   80
NTDB id 1043 HON27 RS16615 WP 168727007.1     MLTQLSSHQYHTLKVWYLVQHSLVSFKKIIDYFGNCEKATQPDGLAKWSSLGLHANHLKRVNEFQTPQGQAQFEQLVQQV   80
NTDB id 1073 ABD1 RS00865 WP 015451369.1     MLTQLSSHHYHTLKVWYLVQHSLVSFKKIIDYFGNCEKATQPDGLAKWSSLGLHANHLKRVNEFQTTQGQAQFEQLVQQV   80
NTDB id 1021 ACIAD RS00975 WP 004930462.1    MTTILSSHHYHTIKVWYVLQHSLSGFKKLIHYFGDCETALQPQRLSDWQKLGLHANHLKRLEEVHTLQGQQQFEKMLAQL   80
consensus                                    !***!!*****!***!!**!!!! *!*!****!!****!*****!**!**!!!!**!!*!**!**!**!!**********

logo

NTDB id 314766 CDG62 RS18425 WP 087528681.1   QASCDFILLDTESHYPSQLLPYSDRPPILFGQGNPQSLLQPQVAIVGSRKPSPHGKQVAYDFAFYLAEKGFYICSGLAEG   160
NTDB id 1043 HON27 RS16615 WP 168727007.1     RQHTDFILTPDDSGYPTQLLPYTDHPPIIFGKGQAQALLQPQIAIVGSRKPSPHGRQVAYDFAYYLSEKGFFISSGLAYG   160
NTDB id 1073 ABD1 RS00865 WP 015451369.1     RQHTDFILTPDDSGYPTQLLPYTDHPPIIFGKGQAQALLQPQIAIVGSRKPSPHGRQVAYDFAYYLSEKGFFISSGLAYG   160
NTDB id 1021 ACIAD RS00975 WP 004930462.1    QTHTDFIVTPDDPAYPSQLIPYQDRPPILFGQGSIQSLIQPQIAVVGSRKPSPHGRQVAYDFSYFLSEKGFYITSGLAHG   160
consensus                                     ***!!!*******!!*!!*!!*!*!!!*!! !**! !*!!!*!*!!!!!!!!!!*!!!!!!***!*!!!!*!*!!!!*!

logo

NTDB id 314766 CDG62 RS18425 WP 087528681.1   IDAAAHQGGLKHQRTIAVMGTGLDLTYPPQHQALRTKILENNGCIITEFLPHTPPLQHNFPRRNRIVSALSLGVVVAEAA   240
NTDB id 1043 HON27 RS16615 WP 168727007.1     IDEAAHQGASTHQRTIAVTGTGLDTTYPAQNKKLAEHILAKNGAIITEFLPGTPPLQQHFPRRNRIVSGLSLGVLVVEAT   240
NTDB id 1073 ABD1 RS00865 WP 015451369.1     IDEAAHQGASAHQRTIAVTGTGLDTTYPAQNKKLAEYILAQNGAIITEFLPGTPPLQQHFPRRNRIVSGLSLGVLVVEAT   240
NTDB id 1021 ACIAD RS00975 WP 004930462.1    IDEAAHQGSLVHHRAIAVVGTGLDLCYPSGNKALKQHIRDQGGAIVSEFLPGTPPLQAHFPRRNRIVSGLSLGVLVVEAT   240
consensus                                    !!*!!!!!*  !*!*!!!*!!!!! *!!**** !***!****!*!**!!!!*!!!!!**!!!!!!!!!*!!!!!*!*!!*

logo

NTDB id 314766 CDG62 RS18425 WP 087528681.1   IKSGSLGTAKSAADQGKTIFAIPGHIYSEHHQGCHQLIREGAILVDHPEQIIEDLALPTQWHSQSQSQE......TIPSA   314
NTDB id 1043 HON27 RS16615 WP 168727007.1     LKSGSLITANKAAEQGKTVFAIPGHIYSEFHQGCHQLIREGAILIDHPEQIIEDLALPTQWQSQQQNQT.....EETNTN   315
NTDB id 1073 ABD1 RS00865 WP 015451369.1     LKSGSLITANKAAEQGKTVFAIPGHIYSEFHQGCHQLIREGAILIDHPEQIIEDLALPTQWQSQQQNQT.....EEANTN   315
NTDB id 1021 ACIAD RS00975 WP 004930462.1    LKSGSLITANKAAEQGKVVFAIPGHIYSEFHQGCHQLIREGAILVDHPEQIIEDLALPTHWHSQSTASGEANADDSGKTD   320
consensus                                    *!!!!!*!!**!!*!!!**!!!!!!!!!!!*!!!!!!!!!!!!!!!*!!!!!!!!!!!!!!!*!*!! ****     ******

logo

NTDB id 314766 CDG62 RS18425 WP 087528681.1   SFEIPSDLLELYNQLDWVGQNMDQLNFKLNTDIATLTSQLMELEILGLAQQQAGNYLRCRSSQ   377
NTDB id 1043 HON27 RS16615 WP 168727007.1     TPEIPEHLIDLYQSLDWVGQNIDQLVVHHNIPVSELTSSLMELELLGLCMQQSGLYLRCRS..   376
NTDB id 1073 ABD1 RS00865 WP 015451369.1     TPEIREHLIDLYQSLDWVGQNIDQLVVHHNIPVSELTSSLMELELLGLCMQQSGLYLRCRS..   376
NTDB id 1021 ACIAD RS00975 WP 004930462.1    DADLPDDLLPLYQLLDWQGQDLDQLAQHYQGSTAELTAQLMELELLGVCIQQSGRYLRCRSPY   383
consensus                                    *******!**!!**!!!*!!**!!!******** *!!* !!!!!*!!***!!*!*!!!!!!
```

X non conserved

X similar

X ≥ 50% conserved