```
logo

NTDB id 231321 S101359 RS17730 WP 088118071.1  MQTELKKKPLFSADLQQFLHQRHLLRTELIPFSEELINWHIEHGFISAEKSIIKNKKGYLCNRCGQNDKRYFSSYWSCSDE   80
NTDB id 108 BSU 35470 NP 391427.1              MNVPVEKNSSFSKELQQTLRSRHLLRTELSFSDEMIEWHIKNGYITAENSISINKRRYRCNRCGQTDQRYFSFYHS..SG   78
consensus                                       !* ** ! * !! *!!! !* !!!!!!!**!!*!*! !!! *!*!*!! !!  !!* ! !!!!!! ! !!!! !*!**

logo

NTDB id 231321 S101359 RS17730 WP 088118071.1  KNQMYCRSCVMMGRVSENIFLYSWIKEVEASWQPIKLTWEGKLSLGQQKAADILIDAITKREELLIWAVCGAGKTEILFP   160
NTDB id 108 BSU 35470 NP 391427.1              KNKLYCRSCVMMGRVSEEVPLYSWKEENESNWKSIKLTWDGKLSSGQQKAANVLIEAISKKEELLIWAVCGAGKTEMLFP   158
consensus                                       !! *!!!!!!!!!!!!! **!!!!  ! !  ! *!!!!!*!!!! !!!!!! *!!*!!*!*!!!!!!!!!!!!!!!*!!!

logo

NTDB id 231321 S101359 RS17730 WP 088118071.1  GIEFALNQGFRVCIATPRTDVVLELTPRLKTAFQTTKISALYGGSEDKGSLSPLMISTTHQLLRYKEAFDVIVIDEVDAF   240
NTDB id 108 BSU 35470 NP 391427.1              GIESALNQGLRVCIATPRTDVVLELAPRLKAAFQGADISALYGGSDDKGRLSPLMISTTHQLLRYKDAIDVMIIDEVDAF   238
consensus                                       !!!  !!!!! !!!!!!!!!!!!!!! !!!!  !!!   !!!!!!!!*!!!  !!!!!!!!!!!!!!!!!*!  !!**!!!!!!!

logo

NTDB id 231321 S101359 RS17730 WP 088118071.1  PYSADQTLQFAVQKARKKNSTLIYLSATPSKELKKKAHIGKLNSVRIPARHHRKPLPEPRFCWCGNWQKKLAGSKIPKQV   320
NTDB id 108 BSU 35470 NP 391427.1              PYSADQTLQFAVQKARKKNSTLVYLSATPPKELKRKALNGQLHSVRIPARHHRKPLPEPRFVWCGNWKKKLNRNKIPPAV   318
consensus                                       !!!!!!!!!!!!!!!!!!!!!!!!*!!!!!!*!!!!*!!* ! !*!!!!!!!!!!!!!!!!!!*!!!!! !!!   !!!* !

logo

NTDB id 231321 S101359 RS17730 WP 088118071.1  KIWVEQHVKEGRPVFLFVPSVSVLEKVTACFAGMRYRTAGVHAEDKNRKEKVQQFRDGRLDVLITTTILERGVTVPMVQT   400
NTDB id 108 BSU 35470 NP 391427.1              KRWIEFHVKEGRPVFLFVPSVSILEKAAACFKGVHCRTASVHAEDKHRKEKVQQFRDGQLDLLITTTILERGVTVPKVQT   398
consensus                                       ! !*! !!!!!!!!!!!!!!!!!!*!!!  !!!  !***!!! !!!!!!*!!!!!!!!!!!! !!*!!!!!!!!!!!!!!  !!!

logo

NTDB id 231321 S101359 RS17730 WP 088118071.1  GVLGAESPIFTESALVQIAGRTGRHKKHAQGDVIYFHFGKTKSMIDARNHIKEMNKLARKNELID   465
NTDB id 108 BSU 35470 NP 391427.1              GVLGAESSIFTESALVQIAGRTGRHKEYADGDVIYFHFGKTKSMLDARKHIKEMNELAAKVECTD   463
consensus                                       !!!!!!!*!!!!!!!!!!!!!!!!!!! *! !!!!!!!!!!!!!!!*!!! !!!!!! !! ! !* !
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X non conserved

X similar

X $\geq$ 50% conserved