```
logo

NTDB id 20549 HD RS00040 WP 010944086.1   MQLNSTEISELIKKRIAQFNVVSEAQSTGTIVSVSDGIIRIHGLADVMQGEMIELPGNRYAIALNLERDSVGAVVMGPYADLAEG   85
NTDB id 1363 HI 0481 AAC22139.1           MQLNSTEISELIKKRIAQFDVVSEARNTGTIVSVSDGIIRIHGLSDVMQGEMIALPGNRYAMALNLERDSVGAVVMGPYADLAEG   85
consensus                                 !!!!!!!!!!!!!!!!!!! !!!!! !!!!!!!!!!!!!!!!! !!!!!!!! !!!!!!!*!!!!!!!!!!!!!!!!!!!!!!!!

logo

NTDB id 20549 HD RS00040 WP 010944086.1   MTVKCTGRILEVPVGKGLLGRVVNTLGQPIDGKGEIDNDGFSPVEVIAPGVIDRQSVDQPVQTGYKAVDSMVPIGRGQRELIIGD   170
NTDB id 1363 HI 0481 AAC22139.1           MEVQCTGRILEVPVGRGLLGRVVNTLGQPIDGKGEIENDGFSPVEVIAPGVIDRRSVDQPVQTGYKAVDSMVPIGRGQRELIIGD   170
consensus                                 ! ! !!!!!!!!!!!*!!!!!!!!!!!!!!!!!!!!*!!!!!!!!!!!!!!!!!! !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

logo

NTDB id 20549 HD RS00040 WP 010944086.1   RQTGKTSLVIDAIIAQRDSGIKCIYVAIGQKASTIANVVRKLEEHGALANTIVVVASASESAALQYLAPYSGCAMGEYFRDRGED   255
NTDB id 1363 HI 0481 AAC22139.1           RQTGKTALAIDAIINQRNSGIKCIYVAIGQKASTIANVVRKLEEHGALANTIVVAASASESAALQYLAPYAGCAMGEYFRDRGED   255
consensus                                 !!!!!! ! !!!!! !! !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!! !!!!!!!!!!!!!!! !!!!!!!!!!!!!!!

logo

NTDB id 20549 HD RS00040 WP 010944086.1   ALIVYDDLSKQAVAYRQISLLLRRPPGREAFPGDVFYLHSRLLERASRVNAEYVERFTNGAVTGRTGSLTALPIIETQAGDVSAF   340
NTDB id 1363 HI 0481 AAC22139.1           ALIVYDDLSKQAVAYRQISLLLRRPPGREAYPGDVFYLHSRLLERASRVNEDYVEKFTKGEVKGKTGSLTALPIIETQAGDVSAF   340
consensus                                 !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!*!!!!!!!!!!!!!!!! !!! *!!!*!! ! ! !*!!!!!!!!!!!!!!!!!!!!

logo

NTDB id 20549 HD RS00040 WP 010944086.1   VPTNVISITDGQIFLESSLFNSGIRPAVNPGISVSRVGSAAQTKVIKKLSGGIRTALAQYRELAAFAQFASDLDDATRKQLSHGQ   425
NTDB id 1363 HI 0481 AAC22139.1           VPTNVISITDGQIFLESNLFNSGIRPAVNPGISVSRVGGSAQTKVIKKLAGGIRTALAQYRELAAFAQFASDLDDATRKQLSHGE   425
consensus                                 !!!!!!!!!!!!!!!!! !!!!!!!!!!!!!!!!!!!!!!  !!!!!!!!! !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

logo

NTDB id 20549 HD RS00040 WP 010944086.1   KVTELLKQKQFAPMPVSEQALVLFAAEFGYLDGVELERISSFESALLAYANSNHADFMKDLAKSGNFNDSIQQELKTIVENFKKN   510
NTDB id 1363 HI 0481 AAC22139.1           KVTELLKQKQFTPLSVAEQAVILFAVEFGYLDDVELSKIASFETALLDYSNRNHAEFMQELNKTGNYNDEIKDTLKSILDGFKAN   510
consensus                                 !!!!!!!!!!! !**! !!!**!!! !!!!!! !!! *! !!!*!!! ! ! !!!*!! *! !*!!*!! !   !!*!** !! !

logo

NTDB id 20549 HD RS00040 WP 010944086.1   GAW   513
NTDB id 1363 HI 0481 AAC22139.1           SAW   513
consensus                                  !!
```

X non conserved
X similar
X $\geq$50% conserved