```
logo
NTDB id 1006264 ABGM96 RS05225 WP 048686548.1  MAQETKTNTLPSRSEIAPEDTWRLEDIFATEEDWEAAFKAVKEDLKKAEAHKGTLGESAEKLFAALQLQDEVFEKLGKVY   80
NTDB id 480 HSISS4 RS02090 WP 002890133.1      ........MSDNRTHLEEKYTWDLTTIFATDADWETEYESTVQDLKKASAYAGHLLDSAKNLLGATELYMSLMRRLEKIY   72
consensus                                      ********  * !*** *  !! !  !!!!* !!!  *    !!!!! !* !*! *!!  ! *!  !   *  *! !*!

logo
NTDB id 1006264 ABGM96 RS05225 WP 048686548.1  SYSHMRNDQDTTNPFYQGMEDRAKALYAQAAAAFSYMVPELLSIDESKVEGFLEEKEELKLYKHSLEEINLQRPHILSAE  160
NTDB id 480 HSISS4 RS02090 WP 002890133.1      VYASMKNDQDTTVGLYQEYQAKASNLYSQLSEAFAYFEPEFMALDDKKLAEFKEQEPGLGLYDHYFERLLANKDHVLSQE  152
consensus                                       ! *!*!!!!!! * !!    *!  !! !   !! !  !! * *!* !*  ! !  * ! !! !  ! *  ***!*!! !

logo
NTDB id 1006264 ABGM96 RS05225 WP 048686548.1  QEELLAKASEVLDASGNTFGMLNNADLKFPTIKDEEGNEVEITHGRYIRFLESEDRRVREEAFKGVYSKYGEFRNTFAST  240
NTDB id 480 HSISS4 RS02090 WP 002890133.1      AEELLAAAGDIFNGPTDTFNVLDNADILFPWVSDGQGDVVELTHGNFITLMESKDRDIRKGAYEAMYGTYEQFQHTYAQT  232
consensus                                       !!!!! ! **  **  !! *! !!!* !! * !  !  !!*!!! *!  *!! !! *!  !* **!  !  ! *!*! !

logo
NTDB id 1006264 ABGM96 RS05225 WP 048686548.1  LSGEVKNHNFNATVRKYDSARQAALSNNNIPETVYDNLVKTVNDNLPLLHRYLDLRKKVLKLDELHMYDLFTPLVKEVKM  320
NTDB id 480 HSISS4 RS02090 WP 002890133.1      LQGVVKVHNYQAKVRHYNSARHAALAANFIPESVYDSLLESVNKHLPLLHRYLDLRKKVLGLDELKMYDVYTPLSET.ET  311
consensus                                      ! ! !! !!**! !!*! !!!*!!!  ! !!!*!!! !* *!! *!!!!!!!!!!!!!!! !!!!*!!!**!!!   *

logo
NTDB id 1006264 ABGM96 RS05225 WP 048686548.1  EVTYDEAKDYVLKGLAPLGEDYLNVLKEGFENRWVDVHENKGKRSGAYSSGTYGTNPYILMNWQNNVNNLFTLVHEFGHS  400
NTDB id 480 HSISS4 RS02090 WP 002890133.1      ALTYEESLKKAEEVLAIFGEEYSKGVHAAFTERWIDVHPNKGKRSGAYSGGAYDTNAFMLLNWQDTLDNLFTLVHETGHS  391
consensus                                       *!!*!         !!* !!*!   ** *!  !!*!!!*!!!!!!!!!! ! ! !!***!*!!!  * !!!!!!!! !!!

logo
NTDB id 1006264 ABGM96 RS05225 WP 048686548.1  VHSYYTRKHQPYPYGNYSIFVAEVASTCNENLLNDYLLNSIEDEKKRIYLLNHYLEGFRGTLFRQTMFAEFEHTIHLKAQ  480
NTDB id 480 HSISS4 RS02090 WP 002890133.1      LHSTFTRQTQPYVYGDYPIFLAEIASTTNENILTETLLKEVKDDKTRFAILNHYLDGFKGTVFRQTQFAEFEHAIHEADA  471
consensus                                      *!! *!! *!!!*!! !*!!*!!*!!!*!!!*! * !!  * !*! !  *!!!!!*!!*!!*!!!! !!!!!! !!

logo
NTDB id 1006264 ABGM96 RS05225 WP 048686548.1  NGEALTADMLTKEYYELNKKYFGENVTIDEEIGLEWARIPHFYYNYYVYQYATGISAATALSKQILEEGEPAVKRYLEFL  560
NTDB id 480 HSISS4 RS02090 WP 002890133.1      SGQILTADFMNKLYADLNEKYYNLKAEDNYEIQFEWERIPHFYMNYYVYQYATGFAAASYLAEKIVHGTEEDKEAYLTYL  551
consensus                                       !  !!!! * ! ! *!! !!*        !!  !! !!!!!! !!!!!!!!!!  !!* !   !**  !*    !! *!
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logo

NTDB id 1006264 ABGM96 RS05225 WP 048686548.1  KSGSSDYPIEVLKKAGVDMTKAEPVQEAMNVFEEKLNELEDLLNK.....   605
NTDB id 480 HSISS4 RS02090 WP 002890133.1      KAGSSDYPLEVIKKAGVDMTNTDYLDAAFKVFEDRLVELEALVEKGVHLS   601
consensus                                      ! !!!!!!*!!*!!!!!!!!!  ***  !  !!!**! !!! !* !*****
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X non conserved

X similar

X $\geq$ 50% conserved