```
logo
NTDB id 315810 LLW34 RS03660 WP 021165608.1  MVKNRNEIPEALTWDLTTIFSTDQKWETELEKVKKELSLVETNDKGHLLDSAETLLTITKNMLSISQKVEKLYVYASMKN   80
NTDB id 480 HSISS4 RS02090 WP 002890133.1    MSDNRTHLEEKYTWDLTTIFATDADWETEYESTVQDLKKA.SAYAGHLLDSAKNLLGATELYMSLMRRLEKIYVYASMKN   79
consensus                                    !  !! ***!  !!!!!!!! !!  !!!! !    *!   **   !!!!!!!  !!  !   *!*  **!!*!!!!!!!!

logo
NTDB id 315810 LLW34 RS03660 WP 021165608.1  DQDTREAKYQEYQSKATALYVNFGESYAFYEPEFLKITKETYEQWLEILQELKNYDHMFERLFAKKEHILSQKEEKILAA  160
NTDB id 480 HSISS4 RS02090 WP 002890133.1    DQDTTVGLYQEYQAKASNLYSQLSEAFAYFEPEFMALDDKKLAEFKEQEPGLGLYDHYFERLLANKDHVLSQEAEELLAA  159
consensus                                    !!!!  * !!!!! !!* !! *  ! *!**!!!!* *       * !  * !  !!! !!!! ! !*!*!!!  ! *!!!

logo
NTDB id 315810 LLW34 RS03660 WP 021165608.1  AGEIFESPSETFEIFDNADVKFPFVKNELGEKIQLTHGNYSSLMESKNREVRKAAYEALYSNYEQYQHTYAKTLQTNVKV  240
NTDB id 480 HSISS4 RS02090 WP 002890133.1    AGDIFNGPTDTFNVLDNADILFPWVSDGQGDVVELTHGNFITLMESKDRDIRKGAYEAMYGTYEQFQHTYAQTLQGVVKV  239
consensus                                    !!*!!  !**!! * !!!!* !!*!    !* * !!!!!* *!!!!! !**!!*!!!!*!  !!!*!!!!! !!!  !!!

logo
NTDB id 315810 LLW34 RS03660 WP 021165608.1  HNFNAQIRAYDSARQAALMSNFVPEKVYDVLIEGIHQHLPLLHRYIELRKKILGISDFKMYDIYTPLSNLDYKFNYTEGV  320
NTDB id 480 HSISS4 RS02090 WP 002890133.1    HNYQAKVRHYNSARHAALAANFIPESVYDSLLESVNKHLPLLHRYLDLRKKVLGLDELKMYDVYTPLSETETALTYEESL  319
consensus                                    !!**! *!*! !!!*!!!  !!*!! !!! !*! ** !!!!!!!**!!!!*!!* * !!!!*!!!!!  *    ! ! *

logo
NTDB id 315810 LLW34 RS03660 WP 021165608.1  KKAQEVLAIFGEEYSQKVKAAFDERWIDVEENVGKRSGAYSGGSYDTKAFMLLNWQGTLDDLFTLVHEMGHSIHSTFTRE  400
NTDB id 480 HSISS4 RS02090 WP 002890133.1    KKAEEVLAIFGEEYSKGVHAAFTERWIDVHPNKGKRSGAYSGGAYDTNAFMLLNWQDTLDNLFTLVHETGHSLHSTFTRQ  399
consensus                                    !!! !!!!!!!!!!!  !*!!! !!!!!!**! !!!!!!!!!! !!! !!!!!!!! !!!  !!!!!!! !!!*!!!!!!

logo
NTDB id 315810 LLW34 RS03660 WP 021165608.1  NQPYVYGDYPIFLAEIASTTNENILTETLLKESNDEKERFALLNHWLDSFRGTVFRQSQFAEFEQKIHEVDAEGEVLTSE  480
NTDB id 480 HSISS4 RS02090 WP 002890133.1    TQPYVYGDYPIFLAEIASTTNENILTETLLKEVKDDKTRFAILNHYLDGFKGTVFRQTQFAEFEHAIHEADASGQILTAD  479
consensus                                     !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!  !*! !!!*!!!*!! !*!!!!!!*!!!!!!* !!! !!  !  *!! *

logo
NTDB id 315810 LLW34 RS03660 WP 021165608.1  FLNSLYGELNEKYYGLSAKENPEIQFEWARIPHFYYNFYVFQYATGFAAASFLAEKVVHGSATDRQNYLDYLKAGSSAYP  560
NTDB id 480 HSISS4 RS02090 WP 002890133.1    FMNKLYADLNEKYYNLKAEDNYEIQFEWERIPHFYMNYYVYQYATGFAAASYLAEKIVHGTEEDKEAYLTYLKAGSSDYP  559
consensus                                    !*! !!**!!!!!! ! ! *!*!!!!!! !!!!!! !*!!*!!!!!!!!!!!*!!!!*!!!*  !*  !! !!!!!!! !!
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logo
                                                  LDVIAKAGVNMESTDYLESAFKLFEKRLNELEKLVEKGVHL.   601
NTDB id 315810 LLW34 RS03660 WP 021165608.1
NTDB id 480 HSISS4 RS02090 WP 002890133.1         LEVIKKAGVDMTNTDYLDAAFKVFEDRLVELEALVEKGVHLS   601
consensus                                         !*!! !!!! !  !!!!* !!!*!! !! !!! !!!!!!!!*
```

X non conserved

X similar

X $\geq$ 50% conserved