```
logo
NTDB id 24986 GBAA RS06210 WP 000003398.1  MSEQNTAKTLPDRNEIEESSTWRLEDIFQTDTEWEKEFQAIKELLPKLTEFKGKLGDSANNLLEALQYEDEISMRLGKLYTYAHM   85
NTDB id 480 HSISS4 RS02090 WP 002890133.1  ........MSDNRTHLEEKYTWDLTTIFATDADWETEYESTVQDLKKASAYAGHLLDSAKNLLGATELYMSLMRRLEKIYVYASM   77
consensus                                  ********  * ! **!!  !! !  !! !! *!! !*      !*! * * !*! !!! !!! !      *  !! !*! !!*!

logo
NTDB id 24986 GBAA RS06210 WP 000003398.1  RYDQDTTNSVYQALNDRATNLYSQVSSSTAYIVPEILSISEDTLQTFLKENRDLSVYEHALEEITRQRPHVLSEAEEALLAEASE  170
NTDB id 480 HSISS4 RS02090 WP 002890133.1  KNDQDTTVGLYQEYQAKASNLYSQLSEAFAYFEPEFMALDDKKLAEFKEQEPGLGLYDHYFERLLANKDHVLSQEAEELLAAAGD  162
consensus                                  * !!!!!  *!!  * *!*!!!!!*!   !!  !! * * *  !  !    * ! *!*!  ! *  ***!!!!   ! !!! ! *

logo
NTDB id 24986 GBAA RS06210 WP 000003398.1  VMSTSSNTFGMLNNADLKFPSIKGEDGEEVEITHGRYIQFLESDDRRVREDAFKAVYETYGKYKNTFASTLSGAVKRNNFNARVR  255
NTDB id 480 HSISS4 RS02090 WP 002890133.1  IFNGPTDTFNVLDNADILFPWVSDGQGDVVELTHGNFITLMESKDRDIRKGAYEAMYGTYEQFQHTYAQTLQGVVKVHNYQAKVR  247
consensus                                  *   ** !! *! !!!* !! *    !* !!*!!! *!  *!! !! *!  !* !*! !!  * *!*! !! ! !! *!**!*!!

logo
NTDB id 24986 GBAA RS06210 WP 000003398.1  KYDSARQAALSNNNIPEAVYDQLIESVNDNLHLLHRYIDIRKRALGLDELHMYDLYTPLVPEVKMNVKYEEAQDMLLKSLHVLGD  340
NTDB id 480 HSISS4 RS02090 WP 002890133.1  HYNSARHAALAANFIPESVYDSLLESVNKHLPLLHRYLDLRKKVLGLDELKMYDVYTPLSET.ETALTYEESLKKAEEVLAIFGE  331
consensus                                  *! !!!*!!!  ! !!! !!! !*!!!! *! !!!!!*!*!!* !!!!!!*!!!*!!!! * *   * !!!       !** !*

logo
NTDB id 24986 GBAA RS06210 WP 000003398.1  EYVDILKEAYENRWVDVYENKGKRSGAYSSGAYGTNPYILMNWHDNVNNLFTLAHEFGHSVHSYYTRKTQPHVYGDYSIFVAEVA  425
NTDB id 480 HSISS4 RS02090 WP 002890133.1  EYSKGVHAAFTERWIDVHPNKGKRSGAYSGGAYDTNAFMLLNWQDTLDNLFTLVHETGHSLHSTFTRQTQPYVYGDYPIFLAEIA  416
consensus                                  !!    ** !*  !!*!!**!!!!!!!!!! !!! !!***!*!!*! * !!!!! !! !!!*!! *!! !!!*!!!!!*!!*!!*!

logo
NTDB id 24986 GBAA RS06210 WP 000003398.1  STCNEALLNDYLLKTTEDKKERLYLLNHYLEGFRGTVFRQTMFAEFEHIIHKKVQEGHAVTPDMLTEIYYDLNKKYFGDALVIDE  510
NTDB id 480 HSISS4 RS02090 WP 002890133.1  STTNENILTETLLKEVKDDKTRFAILNHYLDGFKGTVFRQTQFAEFEHAIHEADASGQILTADFMNKLYADLNEKYYNLKAEDNY  501
consensus                                  !!*!! *! * !!!    ! ! !  *!!!!!*!!*!!!!!!! !!!!!! !!     !* *!*! *  *! !!! !!*

logo
NTDB id 24986 GBAA RS06210 WP 000003398.1  EIGLEWSRIPHFYYNYYVYQYATGFSAATALSKQILEEGQPAVERYINEFLKAGSSDYPIEVLKKAGVDMASPEPVKEALQVFEE  595
NTDB id 480 HSISS4 RS02090 WP 002890133.1  EIQFEWERIPHFYMNYYVYQYATGFAAASYLAEKIVHGTEEDKEAY.LTYLKAGSSDYPLEVIKKAGVDMTNTDYLDAAFKVFED  585
consensus                                  !!  !! !!!!!! !!!!!!!!!!! !!* !   !**   *  ! !*  *!!!!!!!!!*!!*!!!!!!!  **** !  !!!*
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logo                                          RLVELEALVEKGV
                                              KLNELEALLEEEKHLS

NTDB id 24986 GBAA RS06210 WP 000003398.1     KLNELEALLFEEK...   608
NTDB id 480 HSISS4 RS02090 WP 002890133.1     RLVELEALVEKGVHLS   601
consensus                                     *! !!!!!*    ***
```

X non conserved

X similar

X $\geq$50% conserved