```
logo
NTDB id 334611 EQK21 RS08845 WP 128530892.1  MSTQQLPTRDAVPEKLTWDLTTIFKNDAAFEVAFKKVKTQLPTLKT.LDRPFESADQLVATIEQILATFRQLETIYVYAS   79
NTDB id 480 HSISS4 RS02090 WP 002890133.1    ....MSDNRTHLEEKYTWDLTTIFATDADWETEYESTVQDLKKASAYAGHLLDSAKNLLGATELYMSLMRRLEKIYVYAS   76
consensus                                    ****  * ! ***!! !!!!!!!!  !! *!  *     !*    *  ** *!! *!**  !  *   ! !! !!!!!!

logo
NTDB id 334611 EQK21 RS08845 WP 128530892.1  MKNDQDTANATYQGYQAQVDALAAEVSAAAAFLEPAILAIPAGQLADWLTKTPNLAVYSHFIQTITDSRDHVLSGQEEAL  159
NTDB id 480 HSISS4 RS02090 WP 002890133.1    MKNDQDTTVGLYQEYQAKASNLYSQLSEAFAYFEPEFMALDDKKLAEFKEQEPGLGLYDHYFERLLANKDHVLSQEAEEL  156
consensus                                    !!!!!!!  * !! !!!    !   *! ! !* !!  *!**   !!**    ! !**! !*   *   *!!!!!   ! !

logo
NTDB id 334611 EQK21 RS08845 WP 128530892.1  LAAAGDIFSAASQTFSVLDNSDLQFPEVTDENGQTLQLSDGVYSQLLQSTNRSVRQAAFEALYKTYGQFKNTFATTLATE  239
NTDB id 480 HSISS4 RS02090 WP 002890133.1    LAAAGDIFNGPTDTFNVLDNADILFPWVSDGQGDVVELTHGNFITLMESKDRDIRKGAYEAMYGTYEQFQHTYAQTLQGV  236
consensus                                    !!!!!!!! *** !! !!!! !* !! !*! *!  * !**! *  !* !  ! *! *!*!!*! !! !! *!*! !!

logo
NTDB id 334611 EQK21 RS08845 WP 128530892.1  IKGHNYLAQVHHYDSARQAALAPKAIPEAVYTTLVDQVNQHLPLLHRYTELRKKQLNLSELHMFDLYTPLLGKPALTYTY  319
NTDB id 480 HSISS4 RS02090 WP 002890133.1    VKVHNYQAKVRHYNSARHAALAANFIPESVYDSLLESVNKHLPLLHRYLDLRKKVLGLDELKMYDVYTPLSET.ETALTY  315
consensus                                    *! !!! ! !*!! !!!*!!!!*  !!! !! *!** !! !!!!!!!! *!!!! ! ! !!*!*!*!!!!   *    !!

logo
NTDB id 334611 EQK21 RS08845 WP 128530892.1  EQAQATAKEALSILGPDYAKQVTHIFDDRLIDVCENQGKRSGAYSGGAYDTNPFILLNWQDDLNNLYTLVHETGHSVHSA  399
NTDB id 480 HSISS4 RS02090 WP 002890133.1    EESLKKAEEVLAIFGEEYSKGVHAAFTERWIDVHPNKGKRSGAYSGGAYDTNAFMLLNWQDTLDNLFTLVHETGHSLHST  395
consensus                                    !      ! ! !  ! !**! ! !** ! *! !!! *! !!!!!!!!!!!!!!!*!*!!!!!! ! !!*!!!!!!!!!*!!

logo
NTDB id 334611 EQK21 RS08845 WP 128530892.1  FTRQTQDYVYGDYPIFVAEIASTTNENLLTEYLLQTQSDPKVQAYLLNYYLDGFKGTVFRQTQFAEFEHAMHAAAANGQP  479
NTDB id 480 HSISS4 RS02090 WP 002890133.1    FTRQTQPYVYGDYPIFLAEIASTTNENILTETLLKEVKDDKTRFAILNHYLDGFKGTVFRQTQFAEFEHAIHEADASGQI  475
consensus                                    !!!!!!*!!!!!!!!!!*!!!!!!!!!!*!!! !!     !*!     *!!*!!!!!!!!!!!!!!!!!!!!!*! ! ! !!*

logo
NTDB id 334611 EQK21 RS08845 WP 128530892.1  LTAEFMSQQYADINSRYYGPAVVNDPQIALEWTRIPHFYMNYYVYQYATGFAAATTLANGISTKQPGALDHYLDYLKAGS  559
NTDB id 480 HSISS4 RS02090 WP 002890133.1    LTADFMNKLYADLNEKYYNLKAEDNYEIQFEWERIPHFYMNYYVYQYATGFAAASYLAEKIVHGTEEDKEAYLTYLKAGS  555
consensus                                    !!!*!!   !!!*! *!! *     *  !  !! !!!!!!!!!!!!!!!!!!!!!* !!  ! *  *   **!! !!!!!!
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logo

NTDB id 334611 EQK21 RS08845 WP 128530892.1   SAYPIEIMQQAGVDMTSADYLERAFAVFEERLDQLEALLAKLN...   602
NTDB id 480 HSISS4 RS02090 WP 002890133.1     SDYPLEVIKKAGVDMTNTDYLDAAFKVFEDRLVELEALVEKGVHLS   601
consensus                                     ! !!*!**  !!!!!!  !!!* !! !!!*!!  !!!!* !  ***
```

X non conserved

X similar

X $\geq$ 50% conserved