```
logo
NTDB id 267257 LCU RS09100 WP 054644248.1  MSTQQLPTRNAVPEKLTWDLTTIFKNDAAFEVAFKKVKTQLPTLKTL.DRPFESADQLVATIKQILATFRQLETIYVYASMKNDQ   84
NTDB id 480 HSISS4 RS02090 WP 002890133.1  ....MSDNRTHLEEKYTWDLTTIFATDADWETEYESTVQDLKKASAYAGHLLDSAKNLLGATELYMSLMRRLEKIYVYASMKNDQ   81
consensus                                  ****  * ! ***!! !!!!!!!!  !! *!  *      !*     * ** *!! *!**     *   ! !! !!!!!!!!!!!

logo
NTDB id 267257 LCU RS09100 WP 054644248.1  DTANATYQGYQAQVDSLAAEVSAAAAFLDPAILAIPIVQLTTWLSESPALAKYSHFIQTITDSRDHVLSGQEEALLAAAGDIFSA  169
NTDB id 480 HSISS4 RS02090 WP 002890133.1  DTTVGLYQEYQAKASNLYSQLSEAFAYFEPEFMALLDKKLAEFKEQEPGLGLYDHYFERLLANKDHVLSQEAEELLAAAGDIFNG  166
consensus                                  !!  * !! !!!    !   *! ! !* *!  *!**   !  *    !*!* ! !*   *   *!!!!!   ! !!!!!!!!! *

logo
NTDB id 267257 LCU RS09100 WP 054644248.1  ASQTFSVLDNSDLQFPEVTDENGQTFQLSDGVYSQLLQSANRSVRQAAFEALYKTYGQFKNTFATTLATEIKGHNYLAQVHHYDS  254
NTDB id 480 HSISS4 RS02090 WP 002890133.1  PTDTFNVLDNADILFPWVSDGQGDVVELTHGNFITLMESKDRDIRKGAYEAMYGTYEQFQHTYAQTLQGVVKVHNYQAKVRHYNS  251
consensus                                  ** !! !!!! !* !! !*! *!    !**! *  !* !  ! *! *!*!!*! !! !! *!*! !!    *! !!! ! !*!! !

logo
NTDB id 267257 LCU RS09100 WP 054644248.1  ARQAALAPKAIPEAVYTTLVDQVNQHLPLLHRYTELRKKQLNLSELHMFDLYTPLLGKPALTYTYEQAQATAKEALSILGPDYAK  339
NTDB id 480 HSISS4 RS02090 WP 002890133.1  ARHAALAANFIPESVYDSLLESVNKHLPLLHRYLDLRKKVLGLDELKMYDVYTPLSET.ETALTYEESLKKAEEVLAIFGEEYSK  335
consensus                                  !!*!!!!*  !!! !! *!** !! !!!!!!!! *!!!! ! ! !!*!*!*!!!!   *    !!!     ! ! ! ! !**! !

logo
NTDB id 267257 LCU RS09100 WP 054644248.1  QVAHIFDDRLIDVCENQGKRSGAYSGGAYDTNPFILLNWQDDLNNLYTLVHETGHSVHSAFTRQTQDYVYGDYPIFVAEIASTTN  424
NTDB id 480 HSISS4 RS02090 WP 002890133.1  GVHAAFTERWIDVHPNKGKRSGAYSGGAYDTNAFMLLNWQDTLDNLFTLVHETGHSLHSTFTRQTQPYVYGDYPIFLAEIASTTN  420
consensus                                   !** ! *! !!! *! !!!!!!!!!!!!!!!*!*!!!!!! ! !!*!!!!!!!!!*!! !!!!!!*!!!!!!!!!*!!!!!!!!

logo
NTDB id 267257 LCU RS09100 WP 054644248.1  ENLLTEYLLQTQSDPKIQAYLLNYYLDGFKGTVFRQTQFAEFEHAMHAAAANGQPLTAEFMSQQYADINSRYYGPAVVNDPQIAL  509
NTDB id 480 HSISS4 RS02090 WP 002890133.1  ENILTETLLKEVKDDKTRFAILNHYLDGFKGTVFRQTQFAEFEHAIHEADASGQILTADFMNKLYADLNEKYYNLKAEDNYEIQF  505
consensus                                  !!*!!! !!    !*!    *!!*!!!!!!!!!!!!!!!!!!!!!*! ! ! !!*!!!*!!    !!!*! *!! *     * !

logo
NTDB id 267257 LCU RS09100 WP 054644248.1  EWTRIPHFYMNYYVYQYATGFAAATTLANGISTKQPGALDHYLDYLKAGSSAYPIEIMQQAGVDMTSADYLERAFAVFEERLDQL  594
NTDB id 480 HSISS4 RS02090 WP 002890133.1  EWERIPHFYMNYYVYQYATGFAAASYLAEKIVHGTEEDKEAYLTYLKAGSSDYPLEVIKKAGVDMTNTDYLDAAFKVFEDRLVEL  590
consensus                                  !! !!!!!!!!!!!!!!!!!!!!!!* !!  ! *  *   **!! !!!!!!! !!*!**  !!!!!!  !!!* !! !!!*!!  !
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logo

NTDB id 267257 LCU RS09100 WP 054644248.1  EALLANLN...   602
NTDB id 480 HSISS4 RS02090 WP 002890133.1  EALVEKGVHLS   601
consensus                                  !!!*     ***
```

X non conserved

X similar

X $\geq$50% conserved