```
logo
NTDB id 1112081 LMR479A RS11335 WP 003722312.1  MSKTNALPLREEVPENLTWDLTTIYPNDEAWEQAFTDLQKITEESEQFKGRLSESSQTLYEALQFRDKAYDLISNLYVYA   80
NTDB id 480 HSISS4 RS02090 WP 002890133.1       .....MSDNRTHLEEKYTWDLTTIFATDADWETEYESTVQDLKKASAYAGHLLDSAKNLLGATELYMSLMRRLEKIYVYA   75
consensus                                       *****  * ! ***!  !!!!!!!** !  !!  *           * !*! *!  !  !          *  *!!!!

logo
NTDB id 1112081 LMR479A RS11335 WP 003722312.1  HLKMDQDTANAKYQGLHSRAGSLVTKLMSALSYYDPEILAMDENVLKQFLDENKDLQLYDHLLEELNLSRPYILSEKEEA  160
NTDB id 480 HSISS4 RS02090 WP 002890133.1       SMKNDQDTTVGLYQEYQAKASNLYSQLSEAFAYFEPEFMALDDKKLAEFKEQEPGLGLYDHYFERLLANKDHVLSQEAEE  155
consensus                                       **! !!!!  * !!  * *!  ! * !  !  !**!! *!*!*  !  ! *  * ! !!!!  ! !   ****!!   !

logo
NTDB id 1112081 LMR479A RS11335 WP 003722312.1  LLANAGEVLGSSSNTFNTLNNADMKFPTIKDENGEDIEITHGRFGKLLESNDPRVRRDAFHGVYSVYEGLKNTLASTLNG  240
NTDB id 480 HSISS4 RS02090 WP 002890133.1       LLAAAGDIFNGPTDTFNVLDNADILFPWVSDGQGDVVELTHGNFITLMESKDRDIRKGAYEAMYGTYEQFQHTYAQTLQG  235
consensus                                       !!! !!**   ** !!! ! !!!* !! * ! *!* *!*!!! !  !*!! !* *!* !****!  !!   *! ! !!*!

logo
NTDB id 1112081 LMR479A RS11335 WP 003722312.1  QVKKSNFYASTRGYTSAREAALSGNHIPETVYDSLLKSVNANASLLHRYVKLRKELLGLEELHMYDLYTPLSDDVNLEFT  320
NTDB id 480 HSISS4 RS02090 WP 002890133.1       VVKVHNYQAKVRHYNSARHAALAANFIPESVYDSLLESVNKHLPLLHRYLDLRKKVLGLDELKMYDVYTPLSETE.TALT  314
consensus                                        !! *!* !  !*! !!!*!!! *!*!!!*!!!!!! !!! * *!!!!!* !!! *!!!*!!*!!!*!!!!!*  *   !

logo
NTDB id 1112081 LMR479A RS11335 WP 003722312.1  YEEAKELVLEALKPLGDEYQAILKEAFDSRWIDVMENKGKRSGAYSSGSYSTNPYILLNWQDNINNVYTLAHELGHSVHS  400
NTDB id 480 HSISS4 RS02090 WP 002890133.1       YEESLKKAEEVLAIFGEEYSKGVHAAFTERWIDVHPNKGKRSGAYSGGAYDTNAFMLLNWQDTLDNLFTLVHETGHSLHS  394
consensus                                       !!!        ! ! * !*!!   ** !!  !!!!!**!!!!!!!!!! ! ! !!***!!!!! * !**!! !! !!!*!!

logo
NTDB id 1112081 LMR479A RS11335 WP 003722312.1  YYTRKNQPFVYGDYSIFLAEVASTTNENLLTDYLLKKYDDPKVRAYLLNHYLDGFKGTVFRQTQFAEFEHAIHQADQQGV  480
NTDB id 480 HSISS4 RS02090 WP 002890133.1       TFTRQTQPYVYGDYPIFLAEIASTTNENILTETLLKEVKDDKTRFAILNHYLDGFKGTVFRQTQFAEFEHAIHEADASGQ  474
consensus                                        *!!   !!*!!!!!*!!!!!*!!!!!!!*!!* !!!   !*! !  *!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!  !!   !

logo
NTDB id 1112081 LMR479A RS11335 WP 003722312.1  ALTADFLTETYFDINKKYYGEAMVYDAEIGYEWSRIPHFYMNYYVFQYATGFSAASALSAKILTEGQDAVTAYIDFLKAG  560
NTDB id 480 HSISS4 RS02090 WP 002890133.1       ILTADFMNKLYADLNEKYYNLKAEDNYEIQFEWERIPHFYMNYYVYQYATGFAAASYLAEKIVHGTEEDKEAYLTYLKAG  554
consensus                                        !!!!!*    !  !*! !!!          !! *!! !!!!!!!!!!!!*!!!!!! !!! !  !!**   *   !!* *!!!!
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logo
                                                  SSDYPIDVLKKAGVDMATPNPVDDALKVFEQRLDELEELVK.....
NTDB id 1112081 LMR479A RS11335 WP 003722312.1   SSDYPIDVLKKAGVDMATPNPVDDALKVFEQRLDELEELVK.....   601
NTDB id 480 HSISS4 RS02090 WP 002890133.1        SSDYPLEVIKKAGVDMTNTDYLDAAFKVFEDRLVELEALVEKGVHLS   601
consensus                                        !!!!!**!*!!!!!!!  * **! ! !!!! !! !!! !! ******
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X non conserved

X similar

X $\geq$ 50% conserved