```
logo
NTDB id 262345 C0J00 RS02855 WP 104967476.1  MTDNRSHLKEEETWDLSTIFETDQAWEVERQALENDLKASQNDAGHLLDSAKSLLDITENALALMRRLETLYVYASMKND   80
NTDB id 480 HSISS4 RS02090 WP 002890133.1    MSDNRTHLEEKYTWDLTTIFATDADWETEYESTVQDLKKASAYAGHLLDSAKNLLGATELYMSLMRRLEKIYVYASMKND   80
consensus                                    !*!!!*!! !  !!!!*!!! !!  !! !     *!!!     !!!!!!!!! !!  !!  * !!!!!! *!!!!!!!!!

logo
NTDB id 262345 C0J00 RS02855 WP 104967476.1  QDTTIAVYQEMEAKATALSSLYSQTFAFYEPEFLAITKEQLENYKVDEPGLLAYDHYFEKLLAAKDHVLSQEAEELLAGA  160
NTDB id 480 HSISS4 RS02090 WP 002890133.1    QDTTVGLYQEYQAKASNLYSQLSEAFAYFEPEFMALDDKKLAEFKEQEPGLGLYDHYFERLLANKDHVLSQEAEELLAAA  160
consensus                                    !!!!***!!!  !!!* ! !  !  !!**!!!!*!*    !  *!  !!!!  !!!!!!*!!! !!!!!!!!!!!!!!*!

logo
NTDB id 262345 C0J00 RS02855 WP 104967476.1  SEIFGSAAETSSIFDNADVTYPWVTNDEGELVELTHGNFISLMESKNREVRKGAYEAYYGVYEQFQHTYAKTLQTNVKVH  240
NTDB id 480 HSISS4 RS02090 WP 002890133.1    GDIFNGPTDTFNVLDNADILFPWVSDGQGDVVELTHGNFITLMESKDRDIRKGAYEAMYGTYEQFQHTYAQTLQGVVKVH  240
consensus                                     *!!  * *!  * !!!!* *!!!*   !**!!!!!!!!!*!!!!! !**!!!!!!! !! !!!!!!!!! !!!  !!!!

logo
NTDB id 262345 C0J00 RS02855 WP 104967476.1  NYKAKVRGYESARQAALSANFIPESAYDTLLAVVNKHLPLLHRYMKLRQELLGLDDLKMYDVYTPLSEHDMAITYPEALE  320
NTDB id 480 HSISS4 RS02090 WP 002890133.1    NYQAKVRHYNSARHAALAANFIPESVYDSLLESVNKHLPLLHRYLDLRKKVLGLDELKMYDVYTPLSETETALTYEESLK  320
consensus                                    !! !!!!*! !!!*!!! !!!!!!! !!*!!  !!!!!!!!!!!* !!  *!!!!*!!!!!!!!!!!!** !*!!*! !

logo
NTDB id 262345 C0J00 RS02855 WP 104967476.1  KSRQVLTVFGKDYSDRVDRAFSERWIDVHVNKGKRSGAYSGGSYDTNAFMLLNWQDTLDNLYTLIHETGHSLHSTFTREN  400
NTDB id 480 HSISS4 RS02090 WP 002890133.1    KAEEVLAIFGEEYSKGVHAAFTERWIDVHPNKGKRSGAYSGGAYDTNAFMLLNWQDTLDNLFTLVHETGHSLHSTFTRQT  400
consensus                                    !   !! *!! *!!  !* !!*!!!!!!!*!!!!!!!!!!! !!!!!!!!!!!!!!!!!!*!!*!!!!!!!!!!!!!

logo
NTDB id 262345 C0J00 RS02855 WP 104967476.1  QPYVYGDYSIFLAEIASTTNENILTETLLEEVTDDKERFAILNHYLDGFKGTIFRQTQFAEFELAIHQADQAGQVLTSDF  480
NTDB id 480 HSISS4 RS02090 WP 002890133.1    QPYVYGDYPIFLAEIASTTNENILTETLLKEVKDDKTRFAILNHYLDGFKGTVFRQTQFAEFEHAIHEADASGQILTADF  480
consensus                                    !!!!!!!!*!!!!!!!!!!!!!!!!!!!! !! !!!  !!!!!!!!!!!!!!!!*!!!!!!!!!!*!!! !!   !!*!! !!

logo
NTDB id 262345 C0J00 RS02855 WP 104967476.1  LNKTYADLNEKYYGLSAEDNHEIQFEWARIPHFYYNFYVYQYATGFAAASYLADRIVHGTDKDRDNYLDYLKAGNSDYPL  560
NTDB id 480 HSISS4 RS02090 WP 002890133.1    MNKLYADLNEKYYNLKAEDNYEIQFEWERIPHFYMNYYVYQYATGFAAASYLAEKIVHGTEEDKEAYLTYLKAGSSDYPL  560
consensus                                    *!! !!!!!!!!! ! !!!!*!!!!!! !!!!!! !*!!!!!!!!!!!!!!!!**!!!!!* !** !! !!!!! !!!!!
```

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logo
                                                  NVIAKAGVDMTSADYLEGAFKVFEERLEELENLVTKLSHR.   600
NTDB id 262345 C0J00 RS02855 WP 104967476.1
NTDB id 480 HSISS4 RS02090 WP 002890133.1         EVIKKAGVDMTNTDYLDAAFKVFEDRLVELEALVEKGVHLS   601
consensus                                          !! !!!!!!!  !!!**!!!!!!*!! !!! !! !   ! *
```

X non conserved

X similar

X $\geq$ 50% conserved