```
logo
NTDB id 40654 SMSK321 RS12050 WP 004234391.1  MVLQRHEINEKDTWDLSTIYPTDQAWEEALKDLTEQLETVAQYEGHLLDSADSLLEITEFSLEMERQMEKLYVYAHMKND   80
NTDB id 480 HSISS4 RS02090 WP 002890133.1     MSDNRTHLEEKYTWDLTTIFATDADWETEYESTVQDLKKASAYAGHLLDSAKNLLGATELYMSLMRRLEKIYVYASMKND   80
consensus                                     !  *!*** !! !!!!*!!**!!  !!          !     ! !!!!!!!  !!  !!  * * ! *!!*!!!!*!!!!

logo
NTDB id 40654 SMSK321 RS12050 WP 004234391.1  QDTREAKYQEYYAKAMTLYSQLDQAFSFYEPEFMEISEKQYADFLEAQPKLQVYQHYFDKLLQGKDHVLSQREEELLAGA  160
NTDB id 480 HSISS4 RS02090 WP 002890133.1     QDTTVGLYQEYQAKASNLYSQLSEAFAYFEPEFMALDDKKLAEFKEQEPGLGLYDHYFERLLANKDHVLSQEAEELLAAA  160
consensus                                     !!!  * !!!! !!!  !!!!!  !! **!!!!! * *!  !*! !  ! ! *! !!!**!!  !!!!!!!  !!!!!*!

logo
NTDB id 40654 SMSK321 RS12050 WP 004234391.1  GEIFGSASETFAILDNADIVFPYVLDDDGKEVQLSHGTYTRLMESKNREVRRGAYQALYATYEQFQHTYAKTLQTNVKVQ  240
NTDB id 480 HSISS4 RS02090 WP 002890133.1     GDIFNGPTDTFNVLDNADILFPWVSDGQGDVVELTHGNFITLMESKDRDIRKGAYEAMYGTYEQFQHTYAQTLQGVVKVH  240
consensus                                     !*!!  ***!! *!!!!!!*!!*! !  !  ! !*!! *  !!!!! !**!*!!! !*!*!!!!!!!!!! !!!  !!!*

logo
NTDB id 40654 SMSK321 RS12050 WP 004234391.1  NYRAKVRNYKSARHAALAANFVPESVYDNLVAAVRKHLPLLHRYLELRSKILGISDLKMYDVYTPLSSVEYSFTYQEALK  320
NTDB id 480 HSISS4 RS02090 WP 002890133.1     NYQAKVRHYNSARHAALAANFIPESVYDSLLESVNKHLPLLHRYLDLRKKVLGLDELKMYDVYTPLSETETALTYEESLK  320
consensus                                     !! !!!!*! !!!!!!!!!!!*!!!!!! !*  ! !!!!!!!!!!*!! !*!!* *!!!!!!!!!!!  !   !! ! !!

logo
NTDB id 40654 SMSK321 RS12050 WP 004234391.1  KAEDALAVLGEDYLSRVKRAFSERWIDVYENQGKRSGAYSGGSYDTNAFMLLNWQDNLDNLFTLVHETGHSMHSSYTRET  400
NTDB id 480 HSISS4 RS02090 WP 002890133.1     KAEEVLAIFGEEYSKGVHAAFTERWIDVHPNKGKRSGAYSGGAYDTNAFMLLNWQDTLDNLFTLVHETGHSLHSTFTRQT  400
consensus                                     !!!* !!* !!*!   !* !!*!!!!!!**! !!!!!!!!!! !!!!!!!!!!!!! !!!!!!!!!!!!!!*!!**!! !

logo
NTDB id 40654 SMSK321 RS12050 WP 004234391.1  QPYVYGDYSIFLAEIASTTNENILTEKLLEEVEDDATRFAILNNFLDGFRGTVFRQTQFAEFEHAIHQADQNGEVLTSDF  480
NTDB id 480 HSISS4 RS02090 WP 002890133.1     QPYVYGDYPIFLAEIASTTNENILTETLLKEVKDDKTRFAILNHYLDGFKGTVFRQTQFAEFEHAIHEADASGQILTADF  480
consensus                                     !!!!!!!!*!!!!!!!!!!!!!!!!!! !! !! !! !!!!!!!**!!!!*!!!!!!!!!!!!!!!!! !!  ! *!! !!

logo
NTDB id 40654 SMSK321 RS12050 WP 004234391.1  LNKLYADLNQEYYGLSKEDNPEIQYEWARIPHFYYNYYVYQYSTGFAAASALAEKIVHGSQEDRDRYIDYLKAGKSDYPL  560
NTDB id 480 HSISS4 RS02090 WP 002890133.1     MNKLYADLNEKYYNLKAEDNYEIQFEWERIPHFYMNYYVYQYATGFAAASYLAEKIVHGTEEDKEAYLTYLKAGSSDYPL  560
consensus                                     *!!!!!!!!  !! !  !!!*!!!*!! !!!!!! !!!!!!! !!!!!!! !!!!!!!!* !!** !* !!!!! !!!!!
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logo                                                  NVMRKAGVDMEKEDYLNDAFAVFERRLNEFEALVEKLGLA.
                                                      EVIKKAGVDMTNTDYLDAAFKVFEDRLVELEALVEKGVHLS
NTDB id 40654 SMSK321 RS12050 WP 004234391.1  NVMRKAGVDMEKEDYLNDAFAVFERRLNEFEALVEKLGLA.   600
NTDB id 480 HSISS4 RS02090 WP 002890133.1     EVIKKAGVDMTNTDYLDAAFKVFEDRLVELEALVEKGVHLS   601
consensus                                      !**!!!!!!   !!!  !! !!! !! ! !!!!!!  * *
```

X non conserved

X similar

X $\geq$ 50% conserved