```
logo
NTDB id 153946 amyaer RS15580 WP 046663806.1  MRAKMAIDKWRLKKILPMVQLGFLLGTVF.LLGGCH..SLNVIQNRPQPLPQDQYIQVYFNHNQARNSNYTDPYRQINRP   77
NTDB id 1416 SGL RS14595 WP 010873643.1       ..MGKLNRGWKPNPVVIFVALALLVAIAVIGIGKVDPLGLGQSLARPDPLPQQEEIQVYFNLNNAKGADFIDPDRDFKRQ   78
consensus                                     **       !** **** ! !* !**   * *! **** !     !! !!!!   !!!!!!*!*!*   * !! !   !*

logo
NTDB id 153946 amyaer RS15580 WP 046663806.1  GDNLEQVIIDHINSAKISIDLAVQELRLPAIAQALATRQQQGIKVRVILENIYNKPINSLAKNQEQLSDREQERYQNLFD  157
NTDB id 1416 SGL RS14595 WP 010873643.1       GDNFEQIILEQIDQAQSTIDLAVQELRLPRIAQALVEKQKTGVRVRLVLENTYNQTIKEAVE.....TEKDPFRYRGPLA  153
consensus                                     !!! !!*!***!  !  *!!!!!!!!!!! !!!!!  *!  !**!!**!!! !! *!     ********** !!  *

logo
NTDB id 153946 amyaer RS15580 WP 046663806.1  LVDINRDGKLTPEEIAQRDAITILKKAGIPLIDDSTDRSKGSGLMHHKFMVIDNYTTLISSANYTLSDIHGDFSNPQTVG  237
NTDB id 1416 SGL RS14595 WP 010873643.1       YLDQNQDGRISPAESAERDAIEILRTQKIPLIDDTEDGSKGSGLMHHKFMVLDNKTVIVTSANFTPSDQHGDYDDNFTRG  233
consensus                                      *! ! !!***! ! ! !!!! !!*   !!!!!!* ! !!!!!!!!!!!!!*!! ! ***!!!*!*!! !!!*  * ! !

logo
NTDB id 153946 amyaer RS15580 WP 046663806.1  NANHLLVINNPPLARVFQREFNLMWGRE....DQHKFGLDKPQRKPQTILIGNSILTVKFSPDSTTYPWAITSNGLIGET  313
NTDB id 1416 SGL RS14595 WP 010873643.1       NANNLLVVQSPAVAHLFTEEFNLLWGDGPGAEKDSLFGINKPSRPAKVLKVGETTVTVKFSPDRRAIPFPNTSNGLIAQY  313
consensus                                     !!!*!!!** !**!**!  !!!!*!!  ****  * !!* !! !**  * *! * *!!!!!!!    !** !!!!!!*

logo
NTDB id 153946 amyaer RS15580 WP 046663806.1  LNKAKKSVDLALFVFTEQPLANILAQRHQKGIEIKALIDPSFAFRYYSEGLDLLGVALSNKCRYEPDNQPWQNPINTLGV  393
NTDB id 1416 SGL RS14595 WP 010873643.1       LNQAQQKIQLALFVFSEQALSNVINQRFQAGTEVKALIDRGFAFRYYSEGLDLLGVTLLEDCLEQPGNSPWALPTEFVGT  393
consensus                                     !! !   * !!!!!!*!!*! !** !!*! ! !*!!!!!* !!!!!!!!!!!!!!! !   !   ! ! !!  !   *!

logo
NTDB id 153946 amyaer RS15580 WP 046663806.1  PALAPGDKLHHKFGLIDDKIVITGSHNWSRAANHKNDEALVIIDNPTVAAHFDREFQYLYRTAKLGLPETIKNRIEQDRK  473
NTDB id 1416 SGL RS14595 WP 010873643.1       PALPRGDKLHHKFALVDDDTVITGSHNWSPAANHNNDETVLVLQNAQIAAHYQRELDRLYAVTEYGLPPTVQARIDRQEQ  473
consensus                                     !!!**!!!!!!!!*!*!!  !!!!!!!!!*!!!! !!!  **** !* *!!!* !!   !!      !!!*!*  !!*

logo
NTDB id 153946 amyaer RS15580 WP 046663806.1  NCPQSV.......TIKSERLINLNTATKEELDSLPGISGKLAEKIIAARQQKPFTSLEDLDRVSGIGQGKINKLQGKVSW  546
NTDB id 1416 SGL RS14595 WP 010873643.1       ECANPRPSPKPLAKATPNRLVNLNRGSQEELESLPGIGPSTAEKIISTREQKAFTSLEDLGRVKGIGPSKIEGLRGKVTW  553
consensus                                      !*** *******   * !!*!!! ** !!!*!!!!! *  !!!!!  ! !!*!!!!!!! !! !!!* !!  ! !!!*!
```

X non conserved
X similar
X $\geq$ 50% conserved