```
logo

NTDB id 604 V4T04 RS04035 WP 003129447.1      .MVESTTTIYDVARVAGVSMATVSRVVNGNANVKEKTRQKVLEAIAELDYRPNAVARGLASKRTTTVGVILPTITSTYFA   79
NTDB id 341711 ETT59 RS06815 WP 136275787.1  MNTDDTITIYDVAREAGVSMATVSRVVNGNKNVKENTRKKVLEVIDRLDYRPNAVARGLASKKTTTVGVVIPNIANSYFS   80
NTDB id 428 SGO RS03795 WP 012000235.1       MNTDDTVTIYDVAREAGVSMATVSRVVNGNKNVKENTRKKVLEVIDRLDYRPNAVARGLASKKTTTVGVVIPSITNSYFS   80
NTDB id 240 SPD RS09570 WP 000990602.1       MNADDTVTIYDVAREAGVSMATVSRVVNGNKNVKENTRKKVLEVIDRLDYRPNAVARGLASKKTATVGVVIPNITNGYFS   80
consensus                                    *****!*!!!!!!!!*!!!!!!!!!!!!!!!!*!!!!*!!*!!!!*!**!!!!!!!!!!!!!!!!!*!*!!!!**!*!***!!*

logo

NTDB id 604 V4T04 RS04035 WP 003129447.1      AITRGVDDIASMYKYNMILANSDNDVEKEEKVLETFLSKQVDGIVYMGSSLDEKIRTSLKNSRTPVVLVGTIDGDKEIPS   159
NTDB id 341711 ETT59 RS06815 WP 136275787.1  ILAKGIDDIAAMYKYNIVLASSDEDDDKEVNVVNTLFAKQVDGIIFMGHHLTEKIRAEFSRSRTPVVLAGTVDLDHQLPS   160
NTDB id 428 SGO RS03795 WP 012000235.1       TLAKGIDDIAEMYKYNIVLANSDEDDDKEVSVVNTLFSKQVDGIIFMGYHLTEKIRSEFSRSRTPVVLAGTIDVEHQLPS   160
NTDB id 240 SPD RS09570 WP 000990602.1       SLAKGIDDIAEMYKYNIVLANSDEDNEKEVSVVNTLFSKQVDGIIYMGYHLTDKIRSEFSRSRTPIVLAGTVDVEHQLPS   160
consensus                                    ****!*!!!!*!!!!!**!!*!!*!**!!**!**!***!!!!!!**!!**!**!!!*****!!!!*!!*!!*!*****!!

logo

NTDB id 604 V4T04 RS04035 WP 003129447.1      VNIDYHLAAYQSTKKLIDSGNKKIAYIMGSLK.DVENTERMVGYQEALLEANIEFDENLVFEGNYSYEQGKALAERLLER   238
NTDB id 341711 ETT59 RS06815 WP 136275787.1  VNIDYRAAVSNVV.DILAENHKCIAFVSGPLIDDINGKVRLAGYKEGLKHNKLDFKEGLVFEANYSYKEGFELAQRVINS   239
NTDB id 428 SGO RS03795 WP 012000235.1       VNIDYKQATIDAI.TFLAKRNKKIAFVCGPLVDDINGKVRLSGYKTALKSKKLSYSEGLVFESKYGYDDGYNLAERVIAS   239
NTDB id 240 SPD RS09570 WP 000990602.1       VNIDYKQATIDAV.SYLAKENERIAFVSGPLVDDINGKVRLVGYKETLKKAGITYSEGLVFESKYSYDDGYALAERLISS   239
consensus                                    !!!!!**!***** * *** ***!!***!*!**!*****!**!!***!* *** **!*!!!!* !*!**!**!!*!** *

logo

NTDB id 604 V4T04 RS04035 WP 003129447.1      GATSAVVSHDTVAVGLLSAMMDKGVKVPEDFEIISGANSPITQYTYPTLTSVNQPLYDLGAVAMRLLTKLMLKEDVEQNQ   318
NTDB id 341711 ETT59 RS06815 WP 136275787.1  GATAAYVAEDELAAGLLNGLFEAGKRVPEDFEIIASNDSPVVQYTRPNLSSISQPVYDLGAVSMRMLTKIMNKEELEEKE   319
NTDB id 428 SGO RS03795 WP 012000235.1       KATAAFVTGDELAAGLLNGLADCGVKIPEDFEIITSDDSQISRYTRPNLSTISQPLYDLGAISMRMLTKIMHKEELEERE   319
NTDB id 240 SPD RS09570 WP 000990602.1       NATAAVVTGDELAAGVLNGLADKGVSVPEDFEIITSDDSQISRFTRPNLTTIAQPLYDLGAISMRMLTKIMHKEELEERE   319
consensus                                    *!!*!*!**!**!*!*!******!***!!!!!!!****!*** *!*!*!****!!*!!!!!**!!*!!!*!*!!**!***

logo

NTDB id 604 V4T04 RS04035 WP 003129447.1      LVLDHEIFSRRSTK...   332
NTDB id 341711 ETT59 RS06815 WP 136275787.1  ILLNHGIKKRGTTK...   333
NTDB id 428 SGO RS03795 WP 012000235.1       VVLSHGIYERNSTRK..   334
NTDB id 240 SPD RS09570 WP 000990602.1       VLLPHGLTERSSTRKRK   336
consensus                                    **! !****! *!**
```

X non conserved

X similar

X $\geq$ 50% conserved