```
logo

NTDB id 604 V4T04 RS04035 WP 003129447.1      .MVESTTTIYDVARVAGVSMATVSRVVNGNANVKEKTRQKVLEAIAELDYRPNAVARGLASKRTTTVGVILPTITSTYFA    79
NTDB id 428 SGO RS03795 WP 012000235.1        MNTDDTVTIYDVAREAGVSMATVSRVVNGNKNVKENTRKKVLEVIDRLDYRPNAVARGLASKKTTTVGVVIPSITNSYFS    80
NTDB id 99087 SP4011 RS01535 WP 173212244.1  MNADDTVTIYDVAREAGVSMATVSRVVNGNKNVKENTRKKVLEVIDRLDYRPNAVARGLASKKTTTVGVVIPNITNGYFS    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 428 SGO RS03795 WP 012000235.1        TLAKGIDDIAEMYKYNIVLANSDEDDDKEVSVVNTLFSKQVDGIIFMGYHLTEKIRSEFSRSRTPVVLAGTIDVEHQLPS   160
NTDB id 99087 SP4011 RS01535 WP 173212244.1  SLAKGIDDIAEMYKYNIVLANSDEDNEKEVSVVNTLFSKQVDGIIFMGYHLTDKIRSEFSRSRTPIVLAGTVDVEHQLPS   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 428 SGO RS03795 WP 012000235.1        VNIDYKQATIDAITF.LAKRNKKIAFVCGPLVDDINGKVRLSGYKTALKSKKLSYSEGLVFESKYGYDDGYNLAERVIAS   239
NTDB id 99087 SP4011 RS01535 WP 173212244.1  VNIDYKQATIDAVSY.LVKENERIAFVSGPLVDDINGKVRLVGYKEALKKAGIAYSEGLVFESKYSYDDGYALAERLISS   239
NTDB id 240 SPD RS09570 WP 000990602.1       VNIDYKQATIDAVSY.LAKENERIAFVSGPLVDDINGKVRLVGYKETLKKAGITYSEGLVFESKYSYDDGYALAERLISS   239
consensus                                    !!!!!**!******* ****! *!!***!*!**!*****!**!!***!*****!***!*!!!!**!*!**!**!!!!****

logo

NTDB id 604 V4T04 RS04035 WP 003129447.1      GATSAVVSHDTVAVGLLSAMMDKGVKVPEDFEIISGANSPITQYTYPTLTSVNQPLYDLGAVAMRLLTKLMLKEDVEQNQ   318
NTDB id 428 SGO RS03795 WP 012000235.1        KATAAFVTGDELAAGLLNGLADCGVKIPEDFEIITSDDSQISRYTRPNLSTISQPLYDLGAISMRMLTKIMHKEELEERE   319
NTDB id 99087 SP4011 RS01535 WP 173212244.1  NATAAVVTGDELAAGVLNGLADKGVSVPEDFEIITSDDSQISRFTRPNLTTIAQPLYDLGAISMRMLTKIMHKEELEERE   319
NTDB id 240 SPD RS09570 WP 000990602.1       NATAAVVTGDELAAGVLNGLADKGVSVPEDFEIITSDDSQISRFTRPNLTTIAQPLYDLGAISMRMLTKIMHKEELEERE   319
consensus                                    *!!*!*!**!**!*!*!****!*!! *!!!!!!!!****!*!***!*!*!****!!!!!!!!!**!!*!!!*!*!!**!***

logo

NTDB id 604 V4T04 RS04035 WP 003129447.1      LVLDHETFSRRSTK...   332
NTDB id 428 SGO RS03795 WP 012000235.1        VVLSHGIYERNSTRK..   334
NTDB id 99087 SP4011 RS01535 WP 173212244.1  VLLPHGLTERRSTRKRK   336
NTDB id 240 SPD RS09570 WP 000990602.1       VLLPHGLTERSSTRKRK   336
consensus                                    **!*!****!*!!****
```

X non conserved

X similar

X ≥ 50% conserved