```
logo

NTDB id 1171 A1552VC RS12125 WP 000520444.1   MGKSLVTGIDIGHHSIKAAVLKPMGDTYALVGYEELLVTADIFTDNHTLDYQKIVKKLKELKKGLPLFSHKVAIAIPDSA   80
NTDB id 973625 AABD47 RS01605 WP 031821574.1 MDKLIVTGIDIGHNSLKAVVLKPIGDQYALLGYKEILLKEGIVAENNTINHQEIVKTLKQMKKDLPFGAKRVAISVPDNS   80
NTDB id 1404 DSB67 RS14000 WP 010643494.1    MDKLLVTGIDIGHNSLKAVVLKPNGNSYALLGYKEIILKEGIVAENNTINHQEIVKTLKEMKKELPFRARKVAISVPDNA   80
consensus                                    !*!**!!!!!!!!*!*!!*!!!!*!**!!!*!!*!******!***!*!***!*!!!*!!**!!*!!* ***!!!**!!**

logo

NTDB id 1171 A1552VC RS12125 WP 000520444.1   VISKVLQIDSDLEQRELEFAVYQAFSHQSPFPVEELSLDFVKVTEKSLARSSTTTFQVYATKKDVVDSRLHAVKKAGFEP   160
NTDB id 973625 AABD47 RS01605 WP 031821574.1 VISKKLQIEQSLDESEIEFAVVQAFSHQSPFPVEELSLDFVRLRAEEGMR.GTDSYQVFATRKDVVESRVEALQQSGLKP   159
NTDB id 1404 DSB67 RS14000 WP 010643494.1    VISKKLQIEQNLEESEKEFAVVQAFSHQSPFPVEELSLDFIKVDTDEQMR.GNDSYQVFATRKDVVETRVEALQKSGLKP   159
consensus                                    !!!!*!!!** !***!*!!!!*!!!!!!!!!!!!!!!!!!!***  ** *! *****!!*!!*!!!!**!**!****!**!

logo

VLMDVHSQSLGHIWQLAARRFPEKNKYCLLDIGSLNSSFTMFTEQGELFHKEFPCGTRTTMSTSQQD..LLVDDAQVPTE
                                QVH  LLHL KLVSEAYRDRPDWMLVDIRYTASSLCLDFPEKMPFYKDVALSTLEGEFSAVNSPNHPLLHAAQ

NTDB id 1171 A1552VC RS12125 WP 000520444.1   VLMDVQVHSLLHLWQLASRAYR.RPDWMLVDIGYTQSSLCLDFPEKMPFYKDVPLGTRQLESEPSAVNSLNHPLLHDPTQ   239
NTDB id 973625 AABD47 RS01605 WP 031821574.1 VLVDVHSQSLGHIWNLAAERFPDKNKYCLLDIGSLASSFTMFTEQGELFHKEFACGTRISMGTSQED..LLSDDAQAKTE   237
NTDB id 1404 DSB67 RS14000 WP 010643494.1    VLVDVHSQSLGHIWKLVAKRFPEKNKYCLLDIRSLNSSFTMFTEQGELFHKEFPCGSRTTGSLFQQD..PLVDDAQVATE   237
consensus                                    !!*!!***!!*!*!*!*******************!*!!***!!**********!*!****!*! * *  * *  ** ****  !*

logo

QFNRQYVERVKRQMQLYTSINGSQSIKGYWLSGEGATTPMLAEELSSQLALECELLNPLGLFEMKVSKRKRRAADWQHFS
RI IQETDKIARQIQLFTSVHGTQSLGGLWLSGGGATLSGLEDALYQRLSLPCEVLNPFSLFKNNVAKRKRPLVDGQRFT

NTDB id 1171 A1552VC RS12125 WP 000520444.1   RFIQELVDKIARQIQLFTSVHGTQSLGGLWLSGGGATLSGLEDALYQRLSLPCEVLNPFSLFKNNVAKRKRPLVDGQRFS   319
NTDB id 973625 AABD47 RS01605 WP 031821574.1 QFNRQVVERVKRQMQLYTSINGSQNIKGIWLSGEGASTPMLAEELSHQLALECELLNPLGLFEMKVSKRKRRAADWQHFS   317
NTDB id 1404 DSB67 RS14000 WP 010643494.1    QFNRQIVERVKRQMQLYTSINGSQDIKGVWLSGEGAATPMLAEELSSQLALECELLNPLGLFEMKVSKRKRRAADWQHFT   317
consensus                                    *!****!****!!*!!*!!**!*! **!*!!!!*!!****!***!* *!*!*!!*!!!**!!***!*!!!!***!*!*!*

logo

TAAGLAVRGIQWLGGVRAVSH
A LRGLA ESDHVA

NTDB id 1171 A1552VC RS12125 WP 000520444.1   TAAGLALRGLAWLESEHVA..   338
NTDB id 973625 AABD47 RS01605 WP 031821574.1 TAAGLAVRGIHWLGGVRAVSH   338
NTDB id 1404 DSB67 RS14000 WP 010643494.1    AAAGLAVRGIQWLGGDNAVSH   338
consensus                                    *!!!!!*!!* !!*** ****
```

X non conserved

X similar

X $\geq$ 50% conserved