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logo
NTDB id 1399 DSB67 RS15600 WP 010645755.1     ....MTPQNDIDLAAWLKLSCLPGIGGVKMNKLLSKDTPSNIVQYSTEQL..QLLGLTAKQLQAW.S.QVDKEVDACLTW    72
NTDB id 1152 A1552VC RS00200 WP 000654772.1  .......MKDQDLAAWLALCFTPKLGSKTISHLLATRLPAQLQSFTPKQW..LACGLKPEQLVFLTT.QAAKQAEQCLQW    70
NTDB id 168682 AV541 RS09690 WP 060384769.1  .............MDPLALALLPGIGPKRLLEVLKAED........PLGFLRERFPEAWRHL.....PEAEAQAER.ERR    53
NTDB id 1037 TT RS09535 WP 011174226.1       .............MDPLALALLPGIGPKRLLEVLKAED........PLGFLRERFPEAWRHL.....PEAEAQAER.ERR    53
NTDB id 1314 DR RS00625 WP 010886768.1       MTLPSPAAAHAELLALLTLRFTPGLGPRRIENLRRHFGSAEAALAAPLTELRRVEGLDSRSVAAIGGAKAAEEARA.ELN    79
consensus                                              **** !*!  *!**!****  *** *         ** ***   **  * *       ** ***  *

logo
NTDB id 1399 DSB67 RS15600 WP 010645755.1     VAASSHHHILTLADALYPPLLKQTVAPPPLLFVKGEASC.......LPQPQIAMVGSRNASVDGLQHTRTFASDLVQHDL   145
NTDB id 1152 A1552VC RS00200 WP 000654772.1  RSAANNRYIVTPHCPLYPRLLKEINSSPPVLFIEGIWEA.......VHDPAVAIVGSRNASVDGRQIARQFATELAQSGL   143
NTDB id 168682 AV541 RS09690 WP 060384769.1  RAEALGVRLLGLWEEGFPEGLRALPQPPTHLYLKGELP........PEREAVALVGTRRASPWALAFARRLARELSEAGL   125
NTDB id 1037 TT RS09535 WP 011174226.1       RAEALGVRLLGLWEEGFPEGLKALPQPPTHLYLKGELP........PEREAVALVGTRRASPWALAFARKLARELSEAGL   125
NTDB id 1314 DR RS00625 WP 010886768.1       KAAERGVTLLGRGLPGYPAALEALGDPPAVLWVRGAGGAELLAGLGTVPHSVGIVGTRAASPHALALTRTTAGELAAAGV   159
consensus                                    **** ** **** * **! *!***  *! *!***!*            ***!!*! !!* *** *! *! *!  ***

logo
NTDB id 1399 DSB67 RS15600 WP 010645755.1     IVTSGLALGIDGHAHDGALLA.....GGKTIAVLGSGLEQVYPARHRGLAQRVAENGALVSEFRPDAKPRAENFPRRNRI   220
NTDB id 1152 A1552VC RS00200 WP 000654772.1  VVTSGLALGIDGYAHDGALQA.....QGQTVAVLGSGLAQVYPKQHQGLAERIIAQGALVSEFAPHTPPKADHFPRRNRI   218
NTDB id 168682 AV541 RS09690 WP 060384769.1  WVVSGLARGIDREAHLGALEA.....GGRTLGVLGSALDRVYPPENRPLAQRM....DLLSEFPFGTGPKPEFFPRRNRL   196
NTDB id 1037 TT RS09535 WP 011174226.1       WVVSGLARGIDREAHLGALEA.....GGRTLGVLGSALDRVYPPENRPLAQRM....DLLSEFPFGTGPKPEFFPRRNRL   196
NTDB id 1314 DR RS00625 WP 010886768.1       LIVSGLARGVDTAAHTAALEAASGEASSPTIGVLGSAVDVIYPRENHDLAGRM....VVVSEYPLGTGPAQHHFPSRNRV   235
consensus                                    ***!!!!*!*!  !! *!!*!     ***!**!!!!*** *!! *** !!*!*     **!!** ***!* * !!*!!!*

logo
NTDB id 1399 DSB67 RS15600 WP 010645755.1     ISGLSLGVLVVEAAEKSGSLITARYALEQGREVFALPASINAPNASGGNQLIQNGACLVQNTQEVLNEIQSLLDWSINQS   300
NTDB id 1152 A1552VC RS00200 WP 000654772.1  ISGLSLGVVVVEAAEKSGSLITARYAAEQGREVFVVPGSIFNAASQGSNQLIRQGACLVQSVQQIHQELKNALTWSLSEQ   298
NTDB id 168682 AV541 RS09690 WP 060384769.1  IAGLCRAVVVVEAPLDSGALITARHALELGKEVLAVPGRPTDERSLGANRLIQDGAYPVLSAEDVLSYL....GMSARPK   272
NTDB id 1037 TT RS09535 WP 011174226.1       IAGLCRAVVVVEAPLDSGALITARHALELGKEVLAVPGRPMDERSLGANRLIQDGAYPVLSAEDVLSYL....GMSARPK   272
NTDB id 1314 DR RS00625 WP 010886768.1       IAALSAGVLVVEGERKSGSLITATHALDCGRTVFAVPGRAGDPRASGPHALIRDGAVLTESAQDVLTEL....NWGLAPA   311
consensus                                    !**!* *!*!!!*  *!!*!!!!**!** !**!***!**  * ** !** !!**!! ** *******      *** *

logo
NTDB id 1399 DSB67 RS15600 WP 010645755.1     L.........DLFSAPIDEEELPFPQLLANVGNEATPVDILASRTNIPVQEVMMQLLELELSGHVVAVSGGYIRKGRG   369
NTDB id 1152 A1552VC RS00200 WP 000654772.1  V......PYQATLFSAVQSDEELPFPELLANVGIEATPIDILASRTQIPVQDIMMQLLELELLGHVVAVPGGYIRKGRG   371
NTDB id 168682 AV541 RS09690 WP 060384769.1  P.LPGLSPEEEALYALLQEKK.............EALPEALAMALGIPPERVLSLLTLLELKGLARALPGGRYGPG..   334
NTDB id 1037 TT RS09535 WP 011174226.1       P.LPGLSPEEEALYALLQEKK.............EALPEALAMALGIPPERVLSLLTLLELKGLARALPGGRYGPG..   334
NTDB id 1314 DR RS00625 WP 010886768.1       PAVPDLPPEQARVLRALQTPA.............T..LDDLAATTGLSIPELQTALVMLQLQGLAYEV.GGRWSR...   370
consensus                                    * ** * **   ** ****                 ** !!  ***** **** !**!*! !** ***!!** **
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X non conserved
X similar
X $\geq$ 50% conserved