```
logo
NTDB id 89495 LDO10 RS01515 WP 143584529.1   .............MDPLALALLPGIGPKRLLEVLKAED........PLGFLR.....ERFPEAWRHL.....PEAEAQAE   49
NTDB id 1037 TT RS09535 WP 011174226.1       .............MDPLALALLPGIGPKRLLEVLKAED........PLGFLR.....ERFPEAWRHL.....PEAEAQAE   49
NTDB id 1314 DR RS00625 WP 010886768.1       MTLPSPAAAHAELLALLTLRFTPGLGPRRIENLRRHFGSAEAALAAPLTELR.....RVEGLDSRSVAAIGGAKAAEEAR   75
NTDB id 1094 KZH42 RS01320 WP 002224767.1    .......MTEDERFAWLQLAFTPYIGAESFLLLMRRFGSAQNALSAPAEQVAALIRHKQALEAWRNAEKRA..LARQAAE   71
NTDB id 1089 NMB RS00600 WP 002224767.1      .......MTEDERFAWLQLAFTPYIGAESFLLLMRRFGSAQNALSAPAEQVAALIRHKQALEAWRNAEKRA..LARQAAE   71
NTDB id 1399 DSB67 RS15600 WP 010645755.1    ....MTPQNDIDLAAWLKLSCLPGIGGVKMNKLLSKDTPSNI.VQYSTEQLQLLGLTAKQLQAW.SQ.......VDKEVD   67
NTDB id 1152 A1552VC RS00200 WP 000654772.1  .......MKDQDLAAWLALCFTPKLGSKTISHLLATRLPAQL.QSFTPKQWLACGLKPEQLVFLTTQ.......AAKQAE   65
consensus                                          * *  **! !***!**! **** ***    **  *  *  **         *****       *   **

logo
NTDB id 89495 LDO10 RS01515 WP 143584529.1   RERGRAEALGV.RILGLWEEGFPEGLKALPQPPTHLYLKGELP........PEREAVALVGTRRASPWALAFARRLAREL  120
NTDB id 1037 TT RS09535 WP 011174226.1       RERRRAEALGV.RLLGLWEEGFPEGLKALPQPPTHLYLKGELP........PEREAVALVGTRRASPWALAFARKLAREL  120
NTDB id 1314 DR RS00625 WP 010886768.1       AELNKAAERGV.TLLGRGLPGYPAALEALGDPPAVLWVRGAGGAELLAGLGTVPHSVGIVGTRAASPHALALTRTIAGEL  154
NTDB id 1094 KZH42 RS01320 WP 002224767.1    AALEWEMRDGCR.LMLLQDEDFPEMLTQGLTAPPVLFLRGNVQL.......LHKPSAAIVGSRHATPQAMRIAKDFGKSL  143
NTDB id 1089 NMB RS00600 WP 002224767.1      AALEWEMRDGCR.LMLLQDEDFPEMLTQGLTAPPVLFLRGNVQL.......LHKPSAAIVGSRHATPQAMRIAKDFGKSL  143
NTDB id 1399 DSB67 RS15600 WP 010645755.1    ACLTWVAASSHHHILTLADALYPPLLKQTVAPPPLLFVKGEASC.......LPQPQIAMVGSRNASVDGLQHTRTFASDL  140
NTDB id 1152 A1552VC RS00200 WP 000654772.1  QCLQWRSAANNRYIVTPHCPLYPRLLKEINSSPPVLFIEGIWEA.......VHDPAVAIVGSRNASVDGRQIARQFATEL  138
consensus                                    * * *  * *   ** * ** *!**!* *  *!**!***! *         * ** ***!!*! !** ** *** ****!

logo
NTDB id 89495 LDO10 RS01515 WP 143584529.1   SEAGLWVVSGLARGIDREAHLGALEA.....GGRTLGVLGSALDRVYPPENRPLAQRM....DLLSEFPFGTGPKPEFFP  191
NTDB id 1037 TT RS09535 WP 011174226.1       SEAGLWVVSGLARGIDREAHLGALEA.....GGRTLGVLGSALDRVYPPENRPLAQRM....DLLSEFPFGTGPKPEFFP  191
NTDB id 1314 DR RS00625 WP 010886768.1       AAAGVLIVSGLARGVDTAAHTAALEAASGEASSPTIGVLGSAVDVIYPRENHDLAGRM....VVVSEYPLGTGPAQHHFP  230
NTDB id 1094 KZH42 RS01320 WP 002224767.1    GGKGIPVVSGMASGIDTAAHQGALQA.....EGGTIAVWGTGIDRIYPPVNKNLAYEIAEKGLIVSEFPIGTRPYAGNFP  218
NTDB id 1089 NMB RS00600 WP 002224767.1      GGKGIPVVSGMASGIDTAAHQGALQA.....EGGTIAVWGTGIDRIYPPVNKNLAYEIAEKGLIVSEFPIGTRPYAGNFP  218
NTDB id 1399 DSB67 RS15600 WP 010645755.1    VQHDLIVTSGLALGIDGHAHDGALLA.....GGKTIAVLGSGLEQVYPARHRGLAQRVAENGALVSEFRPDAKPRAENFP  215
NTDB id 1152 A1552VC RS00200 WP 000654772.1  AQSGLVVTSGLALGIDGYAHDGALQA.....QGQTVAVLGSGLAQVYPKQHQGLAERIIAQGALVSEFAPHTPPKADHFP  213
consensus                                    *  ** **!!*! !*!  !! *!! !      * !**!*!******!!* ** !! **   * **!!** ** !*** !!

logo
NTDB id 89495 LDO10 RS01515 WP 143584529.1   RRNRLIAGLSRAVVVVEAPLDSGALITARHALELGKEVLAVPGRPTDERSLGANRLIQDGAYPVLSAEDVLAYLGVAARP  271
NTDB id 1037 TT RS09535 WP 011174226.1       RRNRLIAGLCRAVVVVEAPLDSGALITARHALELGKEVLAVPGRPMDERSLGANRLIQDGAYPVLSAEDVLSYLGMSARP  271
NTDB id 1314 DR RS00625 WP 010886768.1       SRNRVIAALSAGVLVVEGERKSGSLITATHALDCGRTVFAVPGRAGDPRASGPHALIRDGAVLTESAQDVLTELNWGLAP  310
NTDB id 1094 KZH42 RS01320 WP 002224767.1    RRNRLIAALSQVTLVVEAALESGSLITARLAAEMGREVMAVPGSIDNPHSKGCHKLIKDGAKLVECLDDILNECPGLLQN  298
NTDB id 1089 NMB RS00600 WP 002224767.1      RRNRLIAALSQVTLVVEAALESGSLITARLAAEMGREVMAVPGSIDNPHSKGCHKLIKDGAKLVECLDDILNECPGLLQN  298
NTDB id 1399 DSB67 RS15600 WP 010645755.1    RRNRIISGLSLGVLVVEAAEKSGSLITARYALEQGREVFALPASINAPNASGGNQLIQNGACLVQNTQEVLNEIQSLLD.  294
NTDB id 1152 A1552VC RS00200 WP 000654772.1  RRNRIISGLSLGVVVVEAAEKSGSLITARYAAEQGREVFVVPGSIFNAASQGSNQLIRQGACLVQSVQQIHQELKNALT.  292
consensus                                    *!!!*!**!*  ***!!!****!!*!!!!* !***!**!***!***  * *  ! **!!**!! ** * *******   *
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logo
NTDB id 89495 LDO10 RS01515 WP 143584529.1   KP.....LPGLSPEEEALYALLQE.............................KGEALPEALAMALGIPPERVLSLLTL   316
NTDB id 1037 TT RS09535 WP 011174226.1       KP.....LPGLSPEEEALYALLQE.............................KKEALPEALAMALGIPPERVLSLLTL   316
NTDB id 1314 DR RS00625 WP 010886768.1       APA....VPDLPPEQARVLRALQT.............................PAT..LDDLAATTGLSIPELQTALVM   354
NTDB id 1094 KZH42 RS01320 WP 002224767.1    TGASSYSINKGIPEKRITAV.QTASDQLSLPEGKMPSEKTENRPVGGSILDRMGFDPVHPDVLAGQLAMPAADLYAALLE   377
NTDB id 1089 NMB RS00600 WP 002224767.1      TGASSYSINKGIPEKRITAV.QTASDQLSLPEGKMPSEKTENRPVGGSILDRMGFDPVHPDVLAGQLAMPAADLYAALLE   377
NTDB id 1399 DSB67 RS15600 WP 010645755.1    .....WSINQSL....DLFSAPIDEEELP................FPQLLANVGNEATPVDILASRTNIPVQEVMMQLLE   349
NTDB id 1152 A1552VC RS00200 WP 000654772.1  .....WSLSEQVPYQATLFSAVQSDEELP................FPELLANVGIEATPIDILASRTQIPVQDIMMQLLE   351
consensus                                         ***   ***   **  **  * *                  **  ** *   ***!!  ****  ***  !**
```

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logo
NTDB id 89495 LDO10 RS01515 WP 143584529.1   LELKGLARALPGGRYGPG..   334
NTDB id 1037 TT RS09535 WP 011174226.1       LELKGLARALPGGRYGPG..   334
NTDB id 1314 DR RS00625 WP 010886768.1       LQLQGLAYEV.GGRWSR...   370
NTDB id 1094 KZH42 RS01320 WP 002224767.1    LELDGSVAAMPGGRYQRIRT   397
NTDB id 1089 NMB RS00600 WP 002224767.1      LELDGSVAAMPGGRYQRIRT   397
NTDB id 1399 DSB67 RS15600 WP 010645755.1    LELSGHVVAVSGGYIRKGRG   369
NTDB id 1152 A1552VC RS00200 WP 000654772.1  LELLGHVVAVPGGYIRKGRG   371
consensus                                    !*! ! * ***!!** ***
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X non conserved

X similar

X $\geq$ 50% conserved