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logo
NTDB id 1037 TT RS09535 WP 011174226.1        .............MDPLALALLPGIGPKRLLEVLKAED........PLGFLRE.....RFPEAWRHL.....PEAEAQAE   49
NTDB id 1314 DR RS00625 WP 010886768.1        MTLPSPAAAHAELLALLTLRFTPGLGPRRIENLRRHFGSAEAALAAPLTELRR.....VEGLDSRSVAAIGGAKAAEEAR   75
NTDB id 293355 DKK66 RS05990 WP 131356242.1  ........MSQQNEDWLLLALTPGIGPAGFLKLIAAFGSASHVLAASTAQTAPLIGQDIAQA.....LRE..RRAEADAK   65
NTDB id 1094 KZH42 RS01320 WP 002224767.1    .......MTEDERFAWLQLAFTPYIGAESFLLLMRRFGSAQNALSAPAEQVAALIRHKQALEAWRNAEKR..ALARQAAE   71
NTDB id 1089 NMB RS00600 WP 002224767.1      .......MTEDERFAWLQLAFTPYIGAESFLLLMRRFGSAQNALSAPAEQVAALIRHKQALEAWRNAEKR..ALARQAAE   71
NTDB id 1122 OK783 RS09595 WP 003705341.1    .......MTEDERFAWLQLAFTPYIGAESFLLLMRSFGSAQNALSAPAEQVAPAVRHKHALEAWRNAEKR..ALARQAAE   71
NTDB id 1120 NGFG RS10355 WP 020997408.1     .......MTEDERFAWLQLAFTPYIGAESFLLLMRSFGSAQNALSAPAEQVAPAVRHKHALEAWRNAEKR..ALARQAAE   71
NTDB id 1250 GC085 RS13065 WP 027219989.1    .........MNNLQPLLALNRMKRIGPRTVLKLQK.RWPDLN.LMF...QLSSVDLEEAGLPSWLAQTIK..NFDPDFIK   64
NTDB id 1399 DSB67 RS15600 WP 010645755.1    ....MTPQNDIDLAAWLKLSCLPGIGGVKMNKLLSKDTPSNI.VQYSTEQLQLLGLTAKQLQAW.SQVDK.......EVD   67
NTDB id 1152 A1552VC RS00200 WP 000654772.1  .......MKDQDLAAWLALCFTPKLGSKTISHLLATRLPAQL.QSFTPKQWLACGLKPEQLVFLTTQAAK.......QAE   65
consensus                                            * * *  **! !**** *!* *** *** *********** **** **    ******   **  * *   **

logo
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 293355 DKK66 RS05990 WP 131356242.1  AALAWAEQENC.SLLSLLDDDYPQALAETAAPPPLLFARGQRAL.......LQHPMLAMVGSRSATPPGKQIAEDFARQL  137
NTDB id 1094 KZH42 RS01320 WP 002224767.1    AALEWEMRDGC.RLMLLQDEDFPEMLTQGLTAPPVLFLRGNVQL.......LHKPSAAIVGSRHATPQAMRIAKDFGKSL  143
NTDB id 1089 NMB RS00600 WP 002224767.1      AALEWEMRDGC.RLMLLQDEDFPEMLTQGLTAPPVLFLRGNVQL.......LHKPSAAIVGSRHATPQAMRIAKDFGKSL  143
NTDB id 1122 OK783 RS09595 WP 003705341.1    AALEWEMRDGC.RLMLLQDEDFPEMLTQGLTAPPVLFLRGNVRL.......LHKPSAAIVGSRHATPQAMRIAKDFGRAL  143
NTDB id 1120 NGFG RS10355 WP 020997408.1     AALEWEMRDGC.RLMLLQDEDFPEMLTQGLTAPPVLFLRGNVRL.......LHKPSAAIVGSRHATPQAMRIAKDFGRAL  143
NTDB id 1250 GC085 RS13065 WP 027219989.1    TDLNWLSSSENHHILTWDSPYYPALLKEIADPPFILYAKGELSA.......LTQPSLAIVGSRNASVTGNENARAFSREI  137
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 1037 TT RS09535 WP 011174226.1        SEAGLWVVSGLARGIDREAHLGALEA.....GGRTLGVLGSALDRVYPPENRPLAQRM....DLLSEFPFGTGPKPEFFP  191
NTDB id 1314 DR RS00625 WP 010886768.1        AAAGVLIVSGLARGVDTAAHTAALEAASGEASSPTIGVLGSAVDVIYPRENHDLAGRM....VVVSEYPLGTGPAQHHFP  230
NTDB id 293355 DKK66 RS05990 WP 131356242.1  SAHGYTIVSGLASGIDAAAHRGALQE.....SGSTIAVIGTGIDRVYPASNRELAHQIGRAGLILSEFPLGAGPVAGHFP  212
NTDB id 1094 KZH42 RS01320 WP 002224767.1    GGKGIPVVSGMASGIDTAAHQGALQA.....EGGTIAVWGTGIDRIYPPVNKNLAYEIAEKGLIVSEFPIGTRPYAGNFP  218
NTDB id 1089 NMB RS00600 WP 002224767.1      GGKGIPVVSGMASGIDTAAHQGALQA.....EGGTIAVWGTGIDRIYPPVNKNLAYEIAEKGLIVSEFPIGTRPYAGNFP  218
NTDB id 1122 OK783 RS09595 WP 003705341.1    GGKGIPTVSGMASGIDTAAHQGALEA.....EGGTVAVWGTGIDRIYPPANKNLAYEIAEKGLIVSEFPIGTRPYAGNFP  218
NTDB id 1120 NGFG RS10355 WP 020997408.1     GGKGIPTVSGMASGIDTAAHQGALEA.....EGGTIAVWGTGIDRIYPPANKNLAYEIAEKGLIVSEFPIGTRPYAGNFP  218
NTDB id 1250 GC085 RS13065 WP 027219989.1    SRHGVSIVSGLALGIDAHAHLGCLEG.....GGKTIAVLGTGIDCIYPRRHLKLAEQITENGLLLSEFPLKSPPIAGHFP  212
NTDB id 1399 DSB67 RS15600 WP 010645755.1    VQHDLIVTSGLALGIDGHAHDGALLA.....GGKTIAVLGSGLEQVYPARHRGLAQRVAENGALVSEFRPDAKPRAENFP  215
NTDB id 1152 A1552VC RS00200 WP 000654772.1  AQSGLVVTSGLALGIDGYAHDGALQA.....QGQTVAVLGSGLAQVYPKQHQGLAERIIAQGALVSEFAPHTPPKADHFP  213
consensus                                    ** ** **!!*!*!*!**!! **!**       * !**!*!******!!* ** !!   *** ****!!******! ***!!
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logo

NTDB id 1037 TT RS09535 WP 011174226.1        RRNRLIAGLCRAVVVVEAPLDSGALITARHALELGKEVLAVPGRPMDERSLGANRLIQDGAYPVLSAEDVLSYLGMSARP   271
NTDB id 1314 DR RS00625 WP 010886768.1        SRNRVIAALSAGVLVVEGERKSGSLITATHALDCGRTVFAVPGRAGDPRASGPHALIRDGAVLTESAQDVLTELNWGLAP   310
NTDB id 293355 DKK66 RS05990 WP 131356242.1   RRNRIIAGLSRGCLVVEANINSGSLITARLAAESGREVMAVPGSIHNPQARGCHRLLRDGARLIETVDDVLDEIGRVAS.   291
NTDB id 1094 KZH42 RS01320 WP 002224767.1     RRNRLIAALSQVTLVVEAALESGSLITARLAAEMGREVMAVPGSIDNPHSKGCHKLIKDGAKLVECLDDILNECPGLLQN   298
NTDB id 1089 NMB RS00600 WP 002224767.1       RRNRLIAALSQVTLVVEAALESGSLITARLAAEMGREVMAVPGSIDNPHSKGCHKLIKDGAKLVECLDDILNECPGLLQN   298
NTDB id 1122 OK783 RS09595 WP 003705341.1     RRNRLIAALSQVTLVVEAALESGSLITAGLAAEMGREVMAVPGSIDNPHSKGCHKLIKDGAKLTECLDDILNECPGLLQN   298
NTDB id 1120 NGFG RS10355 WP 020997408.1      RRNRLIAALSQVTLVVEAALESGSLITAGLAAEMGREVMAVPGSIDNPHSKGCHKLIKDGAKLTECLDDILNECPGLLQN   298
NTDB id 1250 GC085 RS13065 WP 027219989.1     LRNRIISGLSLCILVIEAAIKSGSLITARMALEQNRDVLAIPGSIHNPLARGCHYLLQQGAKLVTSVADVLDELKIEHHQ   292
NTDB id 1399 DSB67 RS15600 WP 010645755.1     RRNRIISGLSLGVLVVEAAEKSGSLITARYALEQGREVFALPASINAPNASGGNQLIQNGACLVQNTQEVLNEIQSLLDW   295
NTDB id 1152 A1552VC RS00200 WP 000654772.1   RRNRIISGLSLGVVVVEAAEKSGSLITARYAAEQGREVFVVPGSIFNAASQGSNQLIRQGACLVQSVQQIHQELKNALTW   293
consensus                                     *!!!*!**!*  ***!*!****!!*!!!!**!******!***!***  **  **!***!***!!*************  **  *

logo

NTDB id 1037 TT RS09535 WP 011174226.1        ....KP..........................LPGLSPEEE....ALYALLQEKKEALPEALAMALGIPPERVLSLLTL   316
NTDB id 1314 DR RS00625 WP 010886768.1        ....AP.........................AVPDLPPEQA....RVLRALQTPAT..LDDLAATTGLSIPELQTALVM   354
NTDB id 293355 DKK66 RS05990 WP 131356242.1   ............................PPITPAATAGENQPVDDPILAIM.GFDPVSSEALATQLGLTQGEVYAMLLE   341
NTDB id 1094 KZH42 RS01320 WP 002224767.1     TGASSYSINKGIPEKRITAVQTASDQLSLPEGKMPSEKTENRPVGGSILDRM.GFDPVHPDVLAGQLAMPAADLYAALLE   377
NTDB id 1089 NMB RS00600 WP 002224767.1       TGASSYSINKGIPEKRITAVQTASDQLSLPEGKMPSEKTENRPVGGSILDRM.GFDPVHPDVLAGQLAMPAADLYAALLE   377
NTDB id 1122 OK783 RS09595 WP 003705341.1     TGASSYSINKDTPDTGRRAVQTAY..APPPAAKMPSEGAAGGTAVGGILDKM.GFDPVHPDVLAGQLAMPAADLYAALLE   375
NTDB id 1120 NGFG RS10355 WP 020997408.1      TGASSYSINKDTPDTGRRTVQTAY..APPPAAKMPSEGAAGGTAVGGILDKM.GFDPIHPDVLAGQLAMPAADLYAALLE   375
NTDB id 1250 GC085 RS13065 WP 027219989.1     .....FTSNKPI...............FSLA.......SGK.....ENLVKFI.GFETTTIDQIIDRSGYGMEQVTSGLAE   340
NTDB id 1399 DSB67 RS15600 WP 010645755.1     SINQSL....DL...............FSAP.......IDEEELPFPQLLANV.GNEATPVDILASRTNIPVQEVMMQLLE   349
NTDB id 1152 A1552VC RS00200 WP 000654772.1   SLSEQVPYQATL...............FSAV.......QSDEELPFPELLANV.GIEATPIDILASRTQIPVQDIMMQLLE   351
consensus                                     *   *** ** *               * *   **    *       **  * ***** ********** ******!**

logo

NTDB id 1037 TT RS09535 WP 011174226.1        LELKGLARALPGGRYGPG...   334
NTDB id 1314 DR RS00625 WP 010886768.1        LQLQGLAYEV.GGRWSR....   370
NTDB id 293355 DKK66 RS05990 WP 131356242.1   LELAGKLTSLPGGRVQRLV..   360
NTDB id 1094 KZH42 RS01320 WP 002224767.1     LELDGSVAAMPGGRYQRIRT.   397
NTDB id 1089 NMB RS00600 WP 002224767.1       LELDGSVAAMPGGRYQRIRT.   397
NTDB id 1122 OK783 RS09595 WP 003705341.1     LELDGSVAAMPGGRYQRIRT.   395
NTDB id 1120 NGFG RS10355 WP 020997408.1      LELDGSVAAMPGGRYQRIRT.   395
NTDB id 1250 GC085 RS13065 WP 027219989.1     LELKGAVIAVPGGYIRCEYER   361
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 ≥ 50% conserved