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logo
NTDB id 1021 ACIAD RS00975 WP 004930462.1     MITILSSHHYHTIKVWYVLQ....HSLSGFKKLIHYFGDCETALQPQRLSDWQKLGLHANHLKRLEEV.HTLQGQQQFEK   75
NTDB id 1314 DR RS00625 WP 010886768.1        MTLPSPAAAHAELLALLTLRFTPGLGPRRIENLRRHFGSAEAALA.APLTELRRVEGLDSRSVA...AIGGAKAAEEARA   76
NTDB id 293299 DK842 RS09970 WP 114061337.1  ........MSANLRAWLTLALTPGIGPVGFLKLIDAFGSAEHAAA.ARAAQTEKLIGREAAE.....ALQDGAAAESADA   66
NTDB id 1094 KZH42 RS01320 WP 002224767.1    .......MTEDERFAWLQLAFTPYIGAESFLLLMRRFGSAQNALS.APAEQVAALIRHKQALEAWRNAEKRALARQAAEA   72
NTDB id 1089 NMB RS00600 WP 002224767.1      .......MTEDERFAWLQLAFTPYIGAESFLLLMRRFGSAQNALS.APAEQVAALIRHKQALEAWRNAEKRALARQAAEA   72
NTDB id 1120 NGFG RS10355 WP 020997408.1     .......MTEDERFAWLQLAFTPYIGAESFLLLMRSFGSAQNALS.APAEQVAPAVRHKHALEAWRNAEKRALARQAAEA   72
NTDB id 1122 OK783 RS09595 WP 003705341.1    .......MTEDERFAWLQLAFTPYIGAESFLLLMRSFGSAQNALS.APAEQVAPAVRHKHALEAWRNAEKRALARQAAEA   72
NTDB id 1250 GC085 RS13065 WP 027219989.1    .........MNNLQPLLALNRMKRIGPRTVLKLQK.RWPDLNL.M.F...QLSSVDLEEAGLPSWLAQTIKNFDPDFIKT   65
NTDB id 1399 DSB67 RS15600 WP 010645755.1    ....MTPQNDIDLAAWLKLSCLPGIGGVKMNKLLSKDTPSNIV.Q.YSTEQLQLLGLTAKQLQAW.SQVDK.....EVDA   68
NTDB id 1152 A1552VC RS00200 WP 000654772.1  .......MKDQDLAAWLALCFTPKLGSKTISHLLATRLPAQLQ.S.FTPKQWLACGLKPEQLVFLTTQAAK.....QAEQ   66
consensus                                           * * ** *** !**** *** *** !** ********* ******  ** *  ** **  *  ** * * ***

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NTDB id 1021 ACIAD RS00975 WP 004930462.1     MLAQ.LQTHTDFIVTPDDPAYPSQLIPYQDRPPILFGQGSIQSL.......IQPQIAVVGSRKPSPHGRQVAYDFSYFLS  147
NTDB id 1314 DR RS00625 WP 010886768.1        ELNKAAERGV.TLLGRGLPGYPAALEALGDPPAVLWVRGAGGAELLAGLGTVPHSVGIVGTRAASPHALALTRTIAGELA  155
NTDB id 293299 DK842 RS09970 WP 114061337.1  ALAWAEADGC.HLLTLLDDDYPPQLAESASPPPLLFARGRRELL.......ARPMLAVVGSRAATPQGKRNAEDFASALA  138
NTDB id 1094 KZH42 RS01320 WP 002224767.1    ALEWEMRDGC.RLMLLQDEDFPEMLTQGLTAPPVLFLRGNVQLL.......HKPSAAIVGSRHATPQAMRIAKDFGKSLG  144
NTDB id 1089 NMB RS00600 WP 002224767.1      ALEWEMRDGC.RLMLLQDEDFPEMLTQGLTAPPVLFLRGNVQLL.......HKPSAAIVGSRHATPQAMRIAKDFGKSLG  144
NTDB id 1120 NGFG RS10355 WP 020997408.1     ALEWEMRDGC.RLMLLQDEDFPEMLTQGLTAPPVLFLRGNVRLL.......HKPSAAIVGSRHATPQAMRIAKDFGRALG  144
NTDB id 1122 OK783 RS09595 WP 003705341.1    ALEWEMRDGC.RLMLLQDEDFPEMLTQGLTAPPVLFLRGNVRLL.......HKPSAAIVGSRHATPQAMRIAKDFGRALG  144
NTDB id 1250 GC085 RS13065 WP 027219989.1    DLNWLSSSENHHILTWDSPYYPALLKEIADPPFILYAKGELSAL.......TQPSLAIVGSRNASVTGNENARAFSREIS  138
NTDB id 1399 DSB67 RS15600 WP 010645755.1    CLTWVAASSHHHILTLADALYPPLLKQTVAPPPLLFVKGEASCL.......PQPQIAMVGSRNASVDGLQHTRTFASDLV  141
NTDB id 1152 A1552VC RS00200 WP 000654772.1  CLQWRSAANNRYIVTPHCPLYPRLLKEINSSPPVLFIEGIWEAV.......HDPAVAIVGSRNASVDGRQIARQFATELA  139
consensus                                    *! * * ***  **** ****! *! * ** !**!***! * **       *******!!*! ************** **

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NTDB id 1021 ACIAD RS00975 WP 004930462.1     EKGFYITSGLAHGIDEAAHQGSLVHH......RAIAVVGTGLDLCYPSGNKALKQHIRDQGGAIVSEFLPGTPPLQAHFP  221
NTDB id 1314 DR RS00625 WP 010886768.1        AAGVLIVSGLARGVDTAAHTAALEAASGEASSPTIGVLGSAVDVIYPRENHDLAGRM.....VVVSEYPLGTGPAQHHFP  230
NTDB id 293299 DK842 RS09970 WP 114061337.1  GHGYAVVSGLASGIDAAAHQGALPHP.....ASTIAVIGTGIDRVYPASNRQLAHRIAAE.GLILSEFPLGMGPLPGHFP  212
NTDB id 1094 KZH42 RS01320 WP 002224767.1    GKGIPVVSGMASGIDTAAHQGALQAE.....GGTIAVWGTGIDRIYPPVNKNLAYEIAEK.GLIVSEFPIGTRPYAGNFP  218
NTDB id 1089 NMB RS00600 WP 002224767.1      GKGIPVVSGMASGIDTAAHQGALQAE.....GGTIAVWGTGIDRIYPPVNKNLAYEIAEK.GLIVSEFPIGTRPYAGNFP  218
NTDB id 1120 NGFG RS10355 WP 020997408.1     GKGIPTVSGMASGIDTAAHQGALEAE.....GGTIAVWGTGIDRIYPPANKNLAYEIAEK.GLIVSEFPIGTRPYAGNFP  218
NTDB id 1122 OK783 RS09595 WP 003705341.1    GKGIPTVSGMASGIDTAAHQGALEAE.....GGTVAVWGTGIDRIYPPANKNLAYEIAEK.GLIVSEFPIGTRPYAGNFP  218
NTDB id 1250 GC085 RS13065 WP 027219989.1    RHGVSIVSGLALGIDAHAHLGCLEGG.....GKTIAVLGTGIDCIYPRRHLKLAEQITEN.GLLLSEFPLKSPPIAGHFP  212
NTDB id 1399 DSB67 RS15600 WP 010645755.1    QHDLIVTSGLALGIDGHAHDGALLAG.....GKTIAVLGSGLEQVYPARHRGLAQRVAEN.GALVSEFRPDAKPRAENFP  215
NTDB id 1152 A1552VC RS00200 WP 000654772.1  QSGLVVTSGLALGIDGYAHDGALQAQ.....GQTVAVLGSGLAQVYPKQHQGLAERIIAQ.GALVSEFAPHTPPKADHFP  213
consensus                                    **** **!!*!*!*!**!!***! *       * ***!*!******!!  ***!*  ***  ****!!******! ***!!
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logo

NTDB id 1021 ACIAD RS00975 WP 004930462.1      RRNRIVSGLSLGVLVVEATLKSGSLITANKAAEQGKVVFAIPGHIYSEFHQGCHQLIREGAILVDHPEQIIEDLALPTHW   301
NTDB id 1314 DR RS00625 WP 010886768.1         SRNRVIAALSAGVLVVEGERKSGSLITATHALDCGRTVFAVPGRAGDPRASGPHALIRDGAVLTESAQDVLTELNWGLAP   310
NTDB id 293299 DK842 RS09970 WP 114061337.1   RRNRVIAGLARGCLVVEAGTASGSLITARLAMENNRDVMAIPGSIHSAQARGCHRLIKDGARLVESVDDVLDEIGRLAAA   292
NTDB id 1094 KZH42 RS01320 WP 002224767.1     RRNRLIAALSQVTLVVEAALESGSLITARLAAEMGREVMAVPGSIDNPHSKGCHKLIKDGAKLVECLDDILNECPGLLQN   298
NTDB id 1089 NMB RS00600 WP 002224767.1       RRNRLIAALSQVTLVVEAALESGSLITARLAAEMGREVMAVPGSIDNPHSKGCHKLIKDGAKLVECLDDILNECPGLLQN   298
NTDB id 1120 NGFG RS10355 WP 020997408.1      RRNRLIAALSQVTLVVEAALESGSLITAGLAAEMGREVMAVPGSIDNPHSKGCHKLIKDGAKLTECLDDILNECPGLLQN   298
NTDB id 1122 OK783 RS09595 WP 003705341.1     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                                     *!!!****!* ***!*!****!!!!!!!**!******!***!*** ** **!***!***!!*!** ******** ** *

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NTDB id 1021 ACIAD RS00975 WP 004930462.1      HSQSTASGEANADDS......GKTDDA.........DLPDDLL...PLYQLLDWQGQDLDQLAQHYQGSTAELTAQLMEL   363
NTDB id 1314 DR RS00625 WP 010886768.1         A.................................PAVPDLPPEQARVLRALQTPATLDDLAATTGLSIPELQTALVML   355
NTDB id 293299 DK842 RS09970 WP 114061337.1   P...............................PAAGSREAPDAPPLLRGMGWEPVLAESLAGTLGLTPGEVYAMLLEL   339
NTDB id 1094 KZH42 RS01320 WP 002224767.1     TGASSYSINKGIPEKRITAVQTASDQLSLPEGKMPSEKTENRPVGGSILDRMGFDPVHPDVLAGQLAMPAADLYAALLEL   378
NTDB id 1089 NMB RS00600 WP 002224767.1       TGASSYSINKGIPEKRITAVQTASDQLSLPEGKMPSEKTENRPVGGSILDRMGFDPVHPDVLAGQLAMPAADLYAALLEL   378
NTDB id 1120 NGFG RS10355 WP 020997408.1      TGASSYSINKDTPDTGRRTVQTAY..APPPAAKMPSEGAAGGTAVGGILDKMGFDPIHPDVLAGQLAMPAADLYAALLEL   376
NTDB id 1122 OK783 RS09595 WP 003705341.1     TGASSYSINKDTPDTGRRAVQTAY..APPPAAKMPSEGAAGGTAVGGILDKMGFDPVHPDVLAGQLAMPAADLYAALLEL   376
NTDB id 1250 GC085 RS13065 WP 027219989.1     .....FTSNKPI......................FSLASGK.....ENLVKFIGFETTTIDQIIDRSGYGMEQVTSGLAEL   341
NTDB id 1399 DSB67 RS15600 WP 010645755.1     SINQSL....DL......................FSAPIDEEELPFPQLLANVGNEATPVDILASRTNIPVQEVMMQLLEL   350
NTDB id 1152 A1552VC RS00200 WP 000654772.1   SLSEQVPYQATL......................FSAVQSDEELPFPELLANVGIEATPIDILASRTQIPVQDIMMQLLEL   352
consensus                                     *  **** ** * *                    * *  **      ** ******* ****** **** ******!**!

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NTDB id 1021 ACIAD RS00975 WP 004930462.1      ELLGVCIQQSGRYLRCRSPY   383
NTDB id 1314 DR RS00625 WP 010886768.1         QLQGLAYEVGGRWSR.....   370
NTDB id 293299 DK842 RS09970 WP 114061337.1   ELSGQVASLPGGRFQRLAQL   359
NTDB id 1094 KZH42 RS01320 WP 002224767.1     ELDGSVAAMPGGRYQRIRT.   397
NTDB id 1089 NMB RS00600 WP 002224767.1       ELDGSVAAMPGGRYQRIRT.   397
NTDB id 1120 NGFG RS10355 WP 020997408.1      ELDGSVAAMPGGRYQRIRT.   395
NTDB id 1122 OK783 RS09595 WP 003705341.1     ELDGSVAAMPGGRYQRIRT.   395
NTDB id 1250 GC085 RS13065 WP 027219989.1     ELKGAVIAVPGGYIRCEYER   361
NTDB id 1399 DSB67 RS15600 WP 010645755.1     ELSGHVVAVSGGYIRKGRG.   369
NTDB id 1152 A1552VC RS00200 WP 000654772.1   ELLGHVVAVPGGYIRKGRG.   371
consensus                                     *! ! *****!*** ***
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X non conserved

X similar

X $\geq$ 50% conserved