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logo
NTDB id 1021 ACIAD RS00975 WP 004930462.1    MITILSSHHYHTIKVWYVLQHSLSGFKKLIHYFGDCETALQPQRLSDWQKLGLHANHLKRLEEVHTL.QGQQQFEKMLA.    78
NTDB id 1094 KZH42 RS01320 WP 002224767.1    ...MTEDERFAWLQLAFTPYIGAESFLLLMRRFGSAQNALS.APAEQVAALIRHKQALEAWRNAEKRALARQAAEAALEW    76
NTDB id 1089 NMB RS00600 WP 002224767.1      ...MTEDERFAWLQLAFTPYIGAESFLLLMRRFGSAQNALS.APAEQVAALIRHKQALEAWRNAEKRALARQAAEAALEW    76
NTDB id 1120 NGFG RS10355 WP 020997408.1     ...MTEDERFAWLQLAFTPYIGAESFLLLMRSFGSAQNALS.APAEQVAPAVRHKHALEAWRNAEKRALARQAAEAALEW    76
NTDB id 1122 OK783 RS09595 WP 003705341.1    ...MTEDERFAWLQLAFTPYIGAESFLLLMRSFGSAQNALS.APAEQVAPAVRHKHALEAWRNAEKRALARQAAEAALEW    76
NTDB id 1361 HI 0985 AAC22646.1              ....MNDITYTLLRLMQVPKLGGVGIDKILSNITLNE.LLN.YDDVAFRQMGWGAIQIRRWFKPEAK.....FIEPALVW    69
NTDB id 1388 A4U84 RS04945 WP 062924099.1    .....MTHLTKLLALLQVPQLGAQRIGRLLSEVDFGE.FCQ.YDKTALKQMGWNERQIQRWFNPEHK.....WIDQALQW    68
NTDB id 1250 GC085 RS13065 WP 027219989.1    .....MNNLQPLLALNRMKRIGPRTVLKLQKR.WPDL.NL....MFQLSSVDLEEAGLPSWLAQTIKNFDPDFIKTDLNW    69
NTDB id 88937 OCU46 RS13700 WP 141273289.1  ...MTEQQITAWLTLCMTPRLSGVRLQKILEYLSPQE.LTS.LSKKELLSLKFTESQVRFLTAKSNQ.....SVDKCLEW    70
NTDB id 1399 DSB67 RS15600 WP 010645755.1    MTPQNDIDLAAWLKLSCLPGIGGVKMNKLLSKDTPSN.IVQ.YSTEQLQLLGLTAKQLQAW.SQVDK.....EVDACLTW    72
NTDB id 1152 A1552VC RS00200 WP 000654772.1 ...MKDQDLAAWLALCFTPKLGSKTISHLLATRLPAQ.LQS.FTPKQWLACGLKPEQLVFLTTQAAK.....QAEQCLQW    70
consensus                                      * * * **** * *** *** ** ***     **  **     **  *     *  *   * *       * *! *

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NTDB id 1021 ACIAD RS00975 WP 004930462.1    QLQTHTDFIVTPDDPAYPSQLIPYQDRPPILFGQGSIQSLIQPQIAVVGSRKPSPHGRQVAYDFSYFLSEKGFYITSGLA   158
NTDB id 1094 KZH42 RS01320 WP 002224767.1    EMRDGCR.LMLLQDEDFPEMLTQGLTAPPVLFLRGNVQLLHKPSAAIVGSRHATPQAMRIAKDFGKSLGGKGIPVVSGMA   155
NTDB id 1089 NMB RS00600 WP 002224767.1      EMRDGCR.LMLLQDEDFPEMLTQGLTAPPVLFLRGNVQLLHKPSAAIVGSRHATPQAMRIAKDFGKSLGGKGIPVVSGMA   155
NTDB id 1120 NGFG RS10355 WP 020997408.1     EMRDGCR.LMLLQDEDFPEMLTQGLTAPPVLFLRGNVRLLHKPSAAIVGSRHATPQAMRIAKDFGRALGGKGIPTVSGMA   155
NTDB id 1122 OK783 RS09595 WP 003705341.1    EMRDGCR.LMLLQDEDFPEMLTQGLTAPPVLFLRGNVRLLHKPSAAIVGSRHATPQAMRIAKDFGRALGGKGIPTVSGMA   155
NTDB id 1361 HI 0985 AAC22646.1              SQKEGNH.LVNYFSPFYPFLLKQTASFPPLLFVKGNLTALSQRQMAMVGSRYCTTYGEYWAKHFATELSLAGFTITSGLA   148
NTDB id 1388 A4U84 RS04945 WP 062924099.1    AEQDQQQ.ILTLFDEDYPFLLKQISTAPPVLFVRGNVESLSLPQIAIVGSRDYSHYGEHWAGHFSAELVKHQLAVTSGLA   147
NTDB id 1250 GC085 RS13065 WP 027219989.1    LSSSENHHILTWDSPYYPALLKEIADPPFILYAKGELSALTQPSLAIVGSRNASVTGNENARAFSREISRHGVSIVSGLA   149
NTDB id 88937 OCU46 RS13700 WP 141273289.1  ENKDGNHLLIAEDKEQYPQLLKEIPGFPPILFVQGEVEALRSTQVGVVGSRNSTQDGLYITRQFSSELTRLGVTITSGLA   150
NTDB id 1399 DSB67 RS15600 WP 010645755.1    VAASSHHHILTLADALYPPLLKQTVAPPPLLFVKGEASCLPQPQIAMVGSRNASVDGLQHTRTFASDLVQHDLIVTSGLA   152
NTDB id 1152 A1552VC RS00200 WP 000654772.1 RSAANNRYIVTPHCPLYPRLLKEINSSPPVLFIEGIWEAVHDPAVAIVGSRNASVDGRQIARQFATELAQSGLVVTSGLA   150
consensus                                      ***   ** * ** *! *!**  * !**!***!**  *  * **!!!! **  ** *** !* **   ** **!!*!

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NTDB id 1021 ACIAD RS00975 WP 004930462.1    HGIDEAAHQGSLVH.HRAIAVVGTGLDLCYPSGNKALKQHIRDQGGAIVSEFLPGTPPLQAHFPRRNRIVSGLSLGVLVV   237
NTDB id 1094 KZH42 RS01320 WP 002224767.1    SGIDTAAHQGALQAEGGTIAVWGTGIDRIYPPVNKNLAYEIAE.KGLIVSEFPIGTRPYAGNFPRRNRLIAALSQVTLVV   234
NTDB id 1089 NMB RS00600 WP 002224767.1      SGIDTAAHQGALQAEGGTIAVWGTGIDRIYPPVNKNLAYEIAE.KGLIVSEFPIGTRPYAGNFPRRNRLIAALSQVTLVV   234
NTDB id 1120 NGFG RS10355 WP 020997408.1     SGIDTAAHQGALEAEGGTIAVWGTGIDRIYPPANKNLAYEIAE.KGLIVSEFPIGTRPYAGNFPRRNRLIAALSQVTLVV   234
NTDB id 1122 OK783 RS09595 WP 003705341.1    SGIDTAAHQGALEAEGGTVAVWGTGIDRIYPPANKNLAYEIAE.KGLIVSEFPIGTRPYAGNFPRRNRLIAALSQVTLVV   234
NTDB id 1361 HI 0985 AAC22646.1              LGIDGHCHQAVVNIQGQTIAVLGSGLEQIYPSKHQRLSAQIIENNGALVSEFLPNQAPIAANFPRRNRIISGLSVGTLVV   228
NTDB id 1388 A4U84 RS04945 WP 062924099.1    IGIDGFCHQRAANENGITIAVLGSGLDQVYPARHKKLAEQIVETSGALVSEFFPSQPPIAENFPRRNRIISGLSLGTLVI   227
NTDB id 1250 GC085 RS13065 WP 027219989.1    LGIDAHAHLGCLEGGGKTIAVLGTGIDCIYPRRHLKLAEQITE.NGLLLSEFPLKSPPIAGHFPLRNRIISGLSLCILVI   228
NTDB id 88937 OCU46 RS13700 WP 141273289.1  LGVDGHAHQACLEQNGKTIAVLGSGFDFLYPKQHQSLAFRIKE.NGALVSEFAPFYPPRAYNFPRRNRIISGLSVGVLVV   229
NTDB id 1399 DSB67 RS15600 WP 010645755.1    LGIDGHAHDGALLAGGKTIAVLGSGLEQVYPARHRGLAQRVAE.NGALVSEFRPDAKPRAENFPRRNRIISGLSLGVLVV   231
NTDB id 1152 A1552VC RS00200 WP 000654772.1 LGIDGYAHDGALQAQGQTVAVLGSGLAQVYPKQHQGLAERIIA.QGALVSEFAPHTPPKADHFPRRNRIISGLSLGVVVV   229
consensus                                    *!*!* *!**** * * **!!*!*!** *!!  ** !*  * *  !***!!! * * ! ***!!*!!!****!!****!*
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NTDB id 1021 ACIAD RS00975 WP 004930462.1     EATLKSGSLITANKAAEQGKVVFAIPGHIYSEFHQGCHQLIREGAILVDHPEQIIEDLALPTHWHSQSTASGEANADD..   315
NTDB id 1094 KZH42 RS01320 WP 002224767.1     EAALESGSLITARLAAEMGREVMAVPGSIDNPHSKGCHKLIKDGAKLVECLDDILNECPGLLQNTGASSYSINKG.IPEK   313
NTDB id 1089 NMB RS00600 WP 002224767.1       EAALESGSLITARLAAEMGREVMAVPGSIDNPHSKGCHKLIKDGAKLVECLDDILNECPGLLQNTGASSYSINKG.IPEK   313
NTDB id 1120 NGFG RS10355 WP 020997408.1      EAALESGSLITAGLAAEMGREVMAVPGSIDNPHSKGCHKLIKDGAKLTECLDDILNECPGLLQNTGASSYSINKD.TPDT   313
NTDB id 1122 OK783 RS09595 WP 003705341.1     EAALESGSLITAGLAAEMGREVMAVPGSIDNPHSKGCHKLIKDGAKLTECLDDILNECPGLLQNTGASSYSINKD.TPDT   313
NTDB id 1361 HI 0985 AAC22646.1               EATEKSGSLITARYALEQNREVFAVPGNIQNKSSQGCHRLIKQGAMLVENAKDILETLYQHS...IHSQTEIDFDQIAVP   305
NTDB id 1388 A4U84 RS04945 WP 062924099.1     EATVNSGSLITARYALEQGREVFALPNSVQNPYSEGCHKLIKEGALLVENVEDILEAIAWQRQ.SVHIQPSL.FDTKP..   303
NTDB id 1250 GC085 RS13065 WP 027219989.1     EAAIKSGSLITARMALEQNRDVLAIPGSIHNPLARGCHYLLQQGAKLVTSVADVLDELKIEHHQFT.....SNKP.....   298
NTDB id 88937 OCU46 RS13700 WP 141273289.1   EAAQKSGSLITARFALEQGRDVYAVPGSILNPNAAGCNQLLRDGAVLVRDARDIVHEINGLVNWSSTIQQEA..T.....   302
NTDB id 1399 DSB67 RS15600 WP 010645755.1     EAAEKSGSLITARYALEQGREVFALPASINAPNASGGNQLIQNGACLVQNTQEVLNEIQSLLDWSINQSL....D.....   302
NTDB id 1152 A1552VC RS00200 WP 000654772.1  EAAEKSGSLITARYAAEQGREVFVVPGSIFNAASQGSNQLIRQGACLVQSVQQIHQELKNALTWSLSEQVPYQAT.....   304
consensus                                     !!***!!!!!!!* !*!****!***!*** ** * !***!***!! !** ********  *** *  ** ***
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logo

NTDB id 1021 ACIAD RS00975 WP 004930462.1     ..S.............GK..TDDADLPDDLLPLYQLLDWQGQDLDQLAQHYQGSTAELTAQLMELELLGVCIQQSGRYLR   378
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NTDB id 1089 NMB RS00600 WP 002224767.1       RITAVQTASDQLSLPEGKMPSEKTENRPVGGSILDRMGFDPVHPDVLAGQLAMPAADLYAALLELELDGSVAAMPGGRYQ   393
NTDB id 1120 NGFG RS10355 WP 020997408.1      GRRTVQTAY..APPPAAKMPSEGAAGGTAVGGILDKMGFDPIHPDVLAGQLAMPAADLYAALLELELDGSVAAMPGGRYQ   391
NTDB id 1122 OK783 RS09595 WP 003705341.1     GRRAVQTAY..APPPAAKMPSEGAAGGTAVGGILDKMGFDPVHPDVLAGQLAMPAADLYAALLELELDGSVAAMPGGRYQ   391
NTDB id 1361 HI 0985 AAC22646.1               NYTP.........PPDPR...RL.VEAPSHPKLYSRIGYTPVSIDDLAEEFNLSVDVLLVQLLDLELQDLIISENGLYKR   372
NTDB id 1388 A4U84 RS04945 WP 062924099.1     KQAV.........KSEPKFAKNLPELTACQQQLFEQISLEPISVDDLAKATDMAVETALIELLNLELLGVVKQVRGGYVI   374
NTDB id 1250 GC085 RS13065 WP 027219989.1     IFS.......................LASGKENLVKFIGFETTTIDQIIDRSGYGMEQVTSGLAELELKGAVIAVPGGYIR   356
NTDB id 88937 OCU46 RS13700 WP 141273289.1   L.SS.........PLSVNKQQERGQTEAGDQPILNLLGERPVAVDFLAERTHLPVNQVMMQLLELELQGIVASVVGGYIR   372
NTDB id 1399 DSB67 RS15600 WP 010645755.1     LFSA.........PID........EEELPFPQLLANVGNEATPVDILASRTNIPVQEVMMQLLELELSGHVVAVSGGYIR   365
NTDB id 1152 A1552VC RS00200 WP 000654772.1  LFSA.........VQS........DEELPFPELLANVGIEATPIDILASRTQIPVQDIMMQLLELELLGHVVAVPGGYIR   367
consensus                                       *             *   *  *       **  ****** *!***    *** **   !**!!! * * ***!****
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logo

NTDB id 1021 ACIAD RS00975 WP 004930462.1     CRSPY   383
NTDB id 1094 KZH42 RS01320 WP 002224767.1     RIRT.   397
NTDB id 1089 NMB RS00600 WP 002224767.1       RIRT.   397
NTDB id 1120 NGFG RS10355 WP 020997408.1      RIRT.   395
NTDB id 1122 OK783 RS09595 WP 003705341.1     RIRT.   395
NTDB id 1361 HI 0985 AAC22646.1               V....   373
NTDB id 1388 A4U84 RS04945 WP 062924099.1     T....   375
NTDB id 1250 GC085 RS13065 WP 027219989.1     CEYER   361
NTDB id 88937 OCU46 RS13700 WP 141273289.1   LRGS.   376
NTDB id 1399 DSB67 RS15600 WP 010645755.1     KGRG.   369
NTDB id 1152 A1552VC RS00200 WP 000654772.1  KGRG.   371
consensus                                     * *
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X non conserved

X similar

X ≥ 50% conserved