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logo
NTDB id 1094 KZH42 RS01320 WP 002224767.1     ....MTEDERFAWLQLAFTPYIGAESFLLLMRRFGSAQNALSAPAEQVAALIRHKQALEAWRNAEKRALARQAAEAALEW   76
NTDB id 1089 NMB RS00600 WP 002224767.1       ....MTEDERFAWLQLAFTPYIGAESFLLLMRRFGSAQNALSAPAEQVAALIRHKQALEAWRNAEKRALARQAAEAALEW   76
NTDB id 1120 NGFG RS10355 WP 020997408.1      ....MTEDERFAWLQLAFTPYIGAESFLLLMRSFGSAQNALSAPAEQVAPAVRHKHALEAWRNAEKRALARQAAEAALEW   76
NTDB id 1122 OK783 RS09595 WP 003705341.1     ....MTEDERFAWLQLAFTPYIGAESFLLLMRSFGSAQNALSAPAEQVAPAVRHKHALEAWRNAEKRALARQAAEAALEW   76
NTDB id 1250 GC085 RS13065 WP 027219989.1     ......MNNLQPLLALNRMKRIGPRTVLKLQKRWPDLNLMFQLSSVDL.....EEAGLPSWLAQTIKNFDPDFIKTDLNW   69
NTDB id 1152 A1552VC RS00200 WP 000654772.1   ....MKDQDLAAWLALCFTPKLGSKTISHLLATRL.PAQLQSFTPKQWLACGLKPEQLVFLTTQ.....AAKQAEQCLQW   70
NTDB id 240653 BSG32 RS02220 WP 031776304.1   MKPRNNDSDLAAWLKLSCLPGIGGIKMNKLLAKDT.PRNIISSSSDQLYQLGLTNKQLQAW.AS.....VDKEVDACFTW   73
NTDB id 1399 DSB67 RS15600 WP 010645755.1     .MTPQNDIDLAAWLKLSCLPGIGGVKMNKLLSKDT.PSNIVQYSTEQLQLLGLTAKQLQAW.SQ.....VDKEVDACLTW   72
NTDB id 1388 A4U84 RS04945 WP 062924099.1     ......MTHLTKLLALLQVPQLGAQRIGRLLSEVD.FGEFCQYDKTALKQMGWNERQIQRWFNP.....EHKWIDQALQW   68
NTDB id 1361 HI 0985 AAC22646.1               .....MNDITYTLLRLMQVPKLGGVGIDKILSNIT.LNELLNYDDVAFRQMGWGAIQIRRWFKP.....EAKFIEPALVW   69
consensus                                         * *******! ! *** *!* *********   *****   ***  **    ** ** *   *  * * ***** !

logo
NTDB id 1094 KZH42 RS01320 WP 002224767.1     EMRD.GCRLMLLQDEDFPEMLTQGLTAPPVLFLRGNVQLLHKPSAAIVGSRHATPQAMRIAKDFGKSLGGKGIPVVSGMA   155
NTDB id 1089 NMB RS00600 WP 002224767.1       EMRD.GCRLMLLQDEDFPEMLTQGLTAPPVLFLRGNVQLLHKPSAAIVGSRHATPQAMRIAKDFGKSLGGKGIPVVSGMA   155
NTDB id 1120 NGFG RS10355 WP 020997408.1      EMRD.GCRLMLLQDEDFPEMLTQGLTAPPVLFLRGNVRLLHKPSAAIVGSRHATPQAMRIAKDFGRALGGKGIPTVSGMA   155
NTDB id 1122 OK783 RS09595 WP 003705341.1     EMRD.GCRLMLLQDEDFPEMLTQGLTAPPVLFLRGNVRLLHKPSAAIVGSRHATPQAMRIAKDFGRALGGKGIPTVSGMA   155
NTDB id 1250 GC085 RS13065 WP 027219989.1     LSSSENHHILTWDSPYYPALLKEIADPPFILYAKGELSALTQPSLAIVGSRNASVTGNENARAFSREISRHGVSIVSGLA   149
NTDB id 1152 A1552VC RS00200 WP 000654772.1   RSAANNRYIVTPHCPLYPRLLKEINSSPPVLFIEGIWEAVHDPAVAIVGSRNASVDGRQIARQFATELAQSGLVVTSGLA   150
NTDB id 240653 BSG32 RS02220 WP 031776304.1   LATSTNHHILTLADPLYPPLLKQVVAPPPLLFVEGNPTFLSQPQIAMVGSRNASFDGLHHARQFAAELAQQELIVTSGLA   153
NTDB id 1399 DSB67 RS15600 WP 010645755.1     VAASSHHHILTLADALYPPLLKQTVAPPPLLFVKGEASCLPQPQIAMVGSRNASVDGLQHTRTFASDLVQHDLIVTSGLA   152
NTDB id 1388 A4U84 RS04945 WP 062924099.1     AEQD.QQQILTLFDEDYPFLLKQISTAPPVLFVRGNVESLSLPQIAIVGSRDYSHYGEHWAGHFSAELVKHQLAVTSGLA   147
NTDB id 1361 HI 0985 AAC22646.1               SQKE.GNHLVNYFSPFYPFLLKQTASFPPLLFVKGNLTALSQRQMAMVGSRYCTTYGEYWAKHFATELSLAGFTITSGLA   148
consensus                                       ** *  **** ****! *!** ***!**!***!**  ** ***!*!!!! **  ** *** !*****  ** * !!*!

logo
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 1250 GC085 RS13065 WP 027219989.1     LGIDAHAHLGCLEGGGKTIAVLGTGIDCIYPRRHLKLAEQITE.NGLLLSEFPLKSPPIAGHFPLRNRIISGLSLCILVI   228
NTDB id 1152 A1552VC RS00200 WP 000654772.1   LGIDGYAHDGALQAQGQTVAVLGSGLAQVYPKQHQGLAERIIA.QGALVSEFAPHTPPKADHFPRRNRIISGLSLGVVVV   229
NTDB id 240653 BSG32 RS02220 WP 031776304.1   LGIDGHAHDGALQAGGKTIAVLGSGLEHVYPARHRGLAQRVTE.NGALVSEFRPNAKPRAENFPRRNRIISGLSLGVLVV   232
NTDB id 1399 DSB67 RS15600 WP 010645755.1     LGIDGHAHDGALLAGGKTIAVLGSGLEQVYPARHRGLAQRVAE.NGALVSEFRPDAKPRAENFPRRNRIISGLSLGVLVV   231
NTDB id 1388 A4U84 RS04945 WP 062924099.1     IGIDGFCHQRAANENGITIAVLGSGLDQVYPARHKKLAEQIVETSGALVSEFFPSQPPIAENFPRRNRIISGLSLGTLVI   227
NTDB id 1361 HI 0985 AAC22646.1               LGIDGHCHQAVVNIQGQTIAVLGSGLEQIYPSKHQRLSAQIIENNGALVSEFLPNQAPIAANFPRRNRIISGLSVGTLVV   228
consensus                                     *!!!* *!****** ! !*!!*!*!** *!! *** !*  *** *! **!!!** **! !**!!*!!!*!**!!****!*
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NTDB id 1094 KZH42 RS01320 WP 002224767.1     EAALESGSLITARLAAEMGREVMAVPGSIDNPHSKGCHKLIKDGAKLVECLDDILNECPGLLQNTGAS...SYSINKGIP   311
NTDB id 1089 NMB RS00600 WP 002224767.1       EAALESGSLITARLAAEMGREVMAVPGSIDNPHSKGCHKLIKDGAKLVECLDDILNECPGLLQNTGAS...SYSINKGIP   311
NTDB id 1120 NGFG RS10355 WP 020997408.1      EAALESGSLITAGLAAEMGREVMAVPGSIDNPHSKGCHKLIKDGAKLTECLDDILNECPGLLQNTGAS...SYSINKDTP   311
NTDB id 1122 OK783 RS09595 WP 003705341.1     EAALESGSLITAGLAAEMGREVMAVPGSIDNPHSKGCHKLIKDGAKLTECLDDILNECPGLLQNTGAS...SYSINKDTP   311
NTDB id 1250 GC085 RS13065 WP 027219989.1     EAAIKSGSLITARMALEQNRDVLAIPGSIHNPLARGCHYLLQQGAKLVTSVADVLDELKIEHHQ................   292
NTDB id 1152 A1552VC RS00200 WP 000654772.1   EAAEKSGSLITARYAAEQGREVFVVPGSIFNAASQGSNQLIRQGACLVQSVQQIHQELKNAL.........TWSLS....   296
NTDB id 240653 BSG32 RS02220 WP 031776304.1   EAAEKSGSLITARYALEQGREVFALPASINARNASGGNQLIRNGACLVEKTQDILDEIQSLL.........DWSVN....   299
NTDB id 1399 DSB67 RS15600 WP 010645755.1     EAAEKSGSLITARYALEQGREVFALPASINAPNASGGNQLIQNGACLVQNTQEVLNEIQSLL.........DWSIN....   298
NTDB id 1388 A4U84 RS04945 WP 062924099.1     EATVNSGSLITARYALEQGREVFALPNSVQNPYSEGCHKLIKEGALLVENVEDILEAIAWQRQSVHIQPSL.FDTKP...   303
NTDB id 1361 HI 0985 AAC22646.1               EATEKSGSLITARYALEQNREVFAVPGNIQNKSSQGCHRLIKQGAMLVENAKDILETLYQHS..IHSQTEIDFDQIA...   303
consensus                                     !!***!!!!!!!**! !**!*!***!*** ** **!***!** !!*!** ********  ****       *****
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logo
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NTDB id 1094 KZH42 RS01320 WP 002224767.1     EKRITAVQTASDQLSLPEGKMPSEKTENRPVGGSILDRMGFDPVHPDVLAGQLAMPAADLYAALLELELDGSVAAMPGGR   391
NTDB id 1089 NMB RS00600 WP 002224767.1       EKRITAVQTASDQLSLPEGKMPSEKTENRPVGGSILDRMGFDPVHPDVLAGQLAMPAADLYAALLELELDGSVAAMPGGR   391
NTDB id 1120 NGFG RS10355 WP 020997408.1      DTGRRTVQTAY..APPPAAKMPSEGAAGGTAVGGILDKMGFDPIHPDVLAGQLAMPAADLYAALLELELDGSVAAMPGGR   389
NTDB id 1122 OK783 RS09595 WP 003705341.1     DTGRRAVQTAY..APPPAAKMPSEGAAGGTAVGGILDKMGFDPVHPDVLAGQLAMPAADLYAALLELELDGSVAAMPGGR   389
NTDB id 1250 GC085 RS13065 WP 027219989.1     .............FTSNKPIFSLAS.....GKENLVKFIGFETTTIDQIIDRSGYGMEQVTSGLAELELKGAVIAVPGGY   354
NTDB id 1152 A1552VC RS00200 WP 000654772.1   ...........EQVPYQATLFSAVQSDEELPFPELLANVGIEATPIDILASRTQIPVQDIMMQLLELELLGHVVAVPGGY   365
NTDB id 240653 BSG32 RS02220 WP 031776304.1   ...........QSI....DLFSTLNDEEELPFPQLLANVGSEATPVDILANRTNIPVQEVMMQLLELELSGHVVAVSGGY   364
NTDB id 1399 DSB67 RS15600 WP 010645755.1     ...........QSL....DLFSAPIDEEELPFPQLLANVGNEATPVDILASRTNIPVQEVMMQLLELELSGHVVAVSGGY   363
NTDB id 1388 A4U84 RS04945 WP 062924099.1     ...........KQAVKSEPKFAKNLPELTACQQQLFEQISLEPISVDDLAKATDMAVETALIELLNLELLGVVKQVRGGY   372
NTDB id 1361 HI 0985 AAC22646.1               .........VPNYTPPPDPR...RL.VEAPSHPKLYSRIGYTPVSIDDLAEEFNLSVDVLLVQLLDLELQDLIISENGLY   370
consensus                                                 *  *  ** *   *       ********** *!***  ***** *****!**!!! * *****!**
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logo
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NTDB id 1094 KZH42 RS01320 WP 002224767.1     YQRIRT.   397
NTDB id 1089 NMB RS00600 WP 002224767.1       YQRIRT.   397
NTDB id 1120 NGFG RS10355 WP 020997408.1      YQRIRT.   395
NTDB id 1122 OK783 RS09595 WP 003705341.1     YQRIRT.   395
NTDB id 1250 GC085 RS13065 WP 027219989.1     IRCEYER   361
NTDB id 1152 A1552VC RS00200 WP 000654772.1   IRKGRG.   371
NTDB id 240653 BSG32 RS02220 WP 031776304.1   IRKGRG.   370
NTDB id 1399 DSB67 RS15600 WP 010645755.1     IRKGRG.   369
NTDB id 1388 A4U84 RS04945 WP 062924099.1     VIT....   375
NTDB id 1361 HI 0985 AAC22646.1               KRV....   373
consensus                                     *** *
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X non conserved
X similar
X ≥ 50% conserved