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logo
NTDB id 1020498 ABU615 RS07940 WP 370388798.1  ...MNELERYAWIELALTPYIGSETFLRILKHFGSAQIALAADVAEIKPFLIRSRAGQYWRSEEA....RKAAEAALQWE   73
NTDB id 1094 KZH42 RS01320 WP 002224767.1      ...MTEDERFAWLQLAFTPYIGAESFLLLMRRFGSAQNALSAPAEQVAALIRHKQALEAWRNAEKRALARQAAEAALEWE   77
NTDB id 1089 NMB RS00600 WP 002224767.1        ...MTEDERFAWLQLAFTPYIGAESFLLLMRRFGSAQNALSAPAEQVAALIRHKQALEAWRNAEKRALARQAAEAALEWE   77
NTDB id 1122 OK783 RS09595 WP 003705341.1      ...MTEDERFAWLQLAFTPYIGAESFLLLMRSFGSAQNALSAPAEQVAPAVRHKHALEAWRNAEKRALARQAAEAALEWE   77
NTDB id 1120 NGFG RS10355 WP 020997408.1       ...MTEDERFAWLQLAFTPYIGAESFLLLMRSFGSAQNALSAPAEQVAPAVRHKHALEAWRNAEKRALARQAAEAALEWE   77
NTDB id 1399 DSB67 RS15600 WP 010645755.1      MTPQNDIDLAAWLKLSCLPGIGGVKMNKLLSKDTPSNIVQ.YSTEQLQLLGLTAKQLQAW.SQV.....DKEVDACLTWV   73
NTDB id 1152 A1552VC RS00200 WP 000654772.1    ...MKDQDLAAWLALCFTPKLGSKTISHLLATRLPAQLQS.FTPKQWLACGLKPEQLVFLTTQA.....AKQAEQCLQWR   71
consensus                                        *******!!**!***!**!********* ***************  **** ********************!*!*

logo
NTDB id 1020498 ABU615 RS07940 WP 370388798.1  QKHENARLLLLAENDYPPLLSEGLTPPPLLFIRGNIHYLQQPSLAIVGSRHATPQAMRIARDFAKALAQKEIAVISGMAD   153
NTDB id 1094 KZH42 RS01320 WP 002224767.1      MR.DGCRLMLLQDEDFPEMLTQGLTAPPVLFLRGNVQLLHKPSAAIVGSRHATPQAMRIAKDFGKSLGGKGIPVVSGMAS   156
NTDB id 1089 NMB RS00600 WP 002224767.1        MR.DGCRLMLLQDEDFPEMLTQGLTAPPVLFLRGNVQLLHKPSAAIVGSRHATPQAMRIAKDFGKSLGGKGIPVVSGMAS   156
NTDB id 1122 OK783 RS09595 WP 003705341.1      MR.DGCRLMLLQDEDFPEMLTQGLTAPPVLFLRGNVRLLHKPSAAIVGSRHATPQAMRIAKDFGRALGGKGIPTVSGMAS   156
NTDB id 1120 NGFG RS10355 WP 020997408.1       MR.DGCRLMLLQDEDFPEMLTQGLTAPPVLFLRGNVRLLHKPSAAIVGSRHATPQAMRIAKDFGRALGGKGIPTVSGMAS   156
NTDB id 1399 DSB67 RS15600 WP 010645755.1      AASSHHHILTLADALYPPLLKQTVAPPPLLFVKGEASCLPQPQIAMVGSRNASVDGLQHTRTFASDLVQHDLIVTSGLAL   153
NTDB id 1152 A1552VC RS00200 WP 000654772.1    SAANNRYIVTPHCPLYPRLLKEINSSPPVLFIEGIWEAVHDPAVAIVGSRNASVDGRQIARQFATELAQSGLVVTSGLAL   151
consensus                                      ** **************!**!******!!*!!**!** ****!**!*!!!!*!***********!** !********!!*!*

logo
NTDB id 1020498 ABU615 RS07940 WP 370388798.1  GIDTAAHQGALLGKGTTVAVWGTGIDRVYPARNKSLAAEIAEHGCIISEFPLGTRSLAGNFPRRNRLIAALSQGTLVIEA   233
NTDB id 1094 KZH42 RS01320 WP 002224767.1      GIDTAAHQGALQAEGGTIAVWGTGIDRIYPPVNKNLAYEIAEKGLIVSEFPIGTRPYAGNFPRRNRLIAALSQVTLVVEA   236
NTDB id 1089 NMB RS00600 WP 002224767.1        GIDTAAHQGALQAEGGTIAVWGTGIDRIYPPVNKNLAYEIAEKGLIVSEFPIGTRPYAGNFPRRNRLIAALSQVTLVVEA   236
NTDB id 1122 OK783 RS09595 WP 003705341.1      GIDTAAHQGALEAEGGTVAVWGTGIDRIYPPANKNLAYEIAEKGLIVSEFPIGTRPYAGNFPRRNRLIAALSQVTLVVEA   236
NTDB id 1120 NGFG RS10355 WP 020997408.1       GIDTAAHQGALEAEGGTIAVWGTGIDRIYPPANKNLAYEIAEKGLIVSEFPIGTRPYAGNFPRRNRLIAALSQVTLVVEA   236
NTDB id 1399 DSB67 RS15600 WP 010645755.1      GIDGHAHDGALLAGGKTIAVLGSGLEQVYPARHRGLAQRVAENGALVSEFRPDAKPRAENFPRRNRIISGLSLGVLVVEA   233
NTDB id 1152 A1552VC RS00200 WP 000654772.1    GIDGYAHDGALQAQGQTVAVLGSGLAQVYPKQHQGLAERIIAQGALVSEFAPHTPPKADHFPRRNRIISGLSLGVVVVEA   231
consensus                                      !!!**!!*!!! **!*!*!!*!*!****!!* ***!!******!***!!!*******!**!!!!!!*!**!!****!*!!

logo
NTDB id 1020498 ABU615 RS07940 WP 370388798.1  ATESGSLITARLAGEMGREVMAIPGSIDNPLSKGCHALIKQGAKLVENLDDILHECPFLLQKTQVHSYSHQSSQFIQSDT   313
NTDB id 1094 KZH42 RS01320 WP 002224767.1      ALESGSLITARLAAEMGREVMAVPGSIDNPHSKGCHKLIKDGAKLVECLDDILNECPGLLQNTGASSYSINKGIPEKRIT   316
NTDB id 1089 NMB RS00600 WP 002224767.1        ALESGSLITARLAAEMGREVMAVPGSIDNPHSKGCHKLIKDGAKLVECLDDILNECPGLLQNTGASSYSINKGIPEKRIT   316
NTDB id 1122 OK783 RS09595 WP 003705341.1      ALESGSLITAGLAAEMGREVMAVPGSIDNPHSKGCHKLIKDGAKLTECLDDILNECPGLLQNTGASSYSINKDTPDTGRR   316
NTDB id 1120 NGFG RS10355 WP 020997408.1       ALESGSLITAGLAAEMGREVMAVPGSIDNPHSKGCHKLIKDGAKLTECLDDILNECPGLLQNTGASSYSINKDTPDTGRR   316
NTDB id 1399 DSB67 RS15600 WP 010645755.1      AEKSGSLITARYALEQGREVFALPASINAPNASGGNQLIQNGACLVQNTQEVLNEIQSLLD......WSINQSL....DL   303
NTDB id 1152 A1552VC RS00200 WP 000654772.1    AEKSGSLITARYAAEQGREVFVVPGSIFNAASQGSNQLIRQGACLVQSVQQIHQELKNALT......WSLSEQVPYQATL   305
consensus                                      !**!!!!!!!**!*!*!!!!***!*!!******!***!!**!!*!********!****!*******!***  ***
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logo
NTDB id 1020498 ABU615 RS07940 WP 370388798.1  PVLLVEETEDLLLDKTAV....SALTSPEKQILDGLGHGIVHPDTLVSTLGIPATDVYANLMALELGGWITALPGGCYQR  389
NTDB id 1094 KZH42 RS01320 WP 002224767.1      AVQT..ASDQLSLPEGKMPSEKTENRPVGGSILDRMGFDPVHPDVLAGQLAMPAADLYAALLELELDGSVAAMPGGRYQR  394
NTDB id 1089 NMB RS00600 WP 002224767.1        AVQT..ASDQLSLPEGKMPSEKTENRPVGGSILDRMGFDPVHPDVLAGQLAMPAADLYAALLELELDGSVAAMPGGRYQR  394
NTDB id 1122 OK783 RS09595 WP 003705341.1      AVQT..AY..APPPAAKMPSEGAAGGTAVGGILDKMGFDPVHPDVLAGQLAMPAADLYAALLELELDGSVAAMPGGRYQR  392
NTDB id 1120 NGFG RS10355 WP 020997408.1       TVQT..AY..APPPAAKMPSEGAAGGTAVGGILDKMGFDPIHPDVLAGQLAMPAADLYAALLELELDGSVAAMPGGRYQR  392
NTDB id 1399 DSB67 RS15600 WP 010645755.1      F.................SAPIDEEELPFPQLLANVGNEATPVDILASRTNIPVQEVMMQLLELELSGHVVAVSGGYIRK  366
NTDB id 1152 A1552VC RS00200 WP 000654772.1    F.................SAVQSDEELPFPELLANVGIEATPIDILASRTQIPVQDIMMQLLELELLGHVVAVPGGYIRK  368
consensus                                       ***  *      * ****** **     * *!***!******!*!******!*******!**!!!*!***!**!!****
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logo
NTDB id 1020498 ABU615 RS07940 WP 370388798.1  IKS   392
NTDB id 1094 KZH42 RS01320 WP 002224767.1      IRT   397
NTDB id 1089 NMB RS00600 WP 002224767.1        IRT   397
NTDB id 1122 OK783 RS09595 WP 003705341.1      IRT   395
NTDB id 1120 NGFG RS10355 WP 020997408.1       IRT   395
NTDB id 1399 DSB67 RS15600 WP 010645755.1      GRG   369
NTDB id 1152 A1552VC RS00200 WP 000654772.1    GRG   371
consensus                                      ***
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X non conserved
X similar
X $\geq$ 50% conserved