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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 1361 HI 0985 AAC22646.1              ....MNDITYTLLRLMQVPKLGGVGIDKILSNITLNEL.LNYDDVAFRQMGWGAIQIRRWFKPE.....AKFIEPALVWS   70
NTDB id 1388 A4U84 RS04945 WP 062924099.1    .....MTHLTKLLALLQVPQLGAQRIGRLLSEVDFGEF.CQYDKTALKQMGWNERQIQRWFNPE.....HKWIDQALQWA   69
NTDB id 1250 GCO85 RS13065 WP 027219989.1    .....MNNLQPLLALNRMKRIGPRTVLKLQKRWPDLNLMFQLSSVDLEEAGLPSWLAQTIKNFD.....PDFIKTDLNWL   70
NTDB id 1152 A1552VC RS00200 WP 000654772.1  ...MKDQDLAAWLALCFTPKLGSKTISHLLATRLPAQL.QSFTPKQWLACGLKPEQLVFLTTQA.....AKQAEQCLQWR   71
NTDB id 75119 Vgang RS11820 WP 105902927.1   ...MNEEQLSAWLRLSFAPKLGGVALSRLMSVDSPQNL.VRYSVQQLQHLGLKDTQIQYIQQDS.....NREVESCLQWQ   71
NTDB id 1399 DSB67 RS15600 WP 010645755.1    MTPQNDIDLAAWLKLSCLPGIGGVKMNKLLSKDTPSNI.VQYSTEQLQLLGLTAKQLQAWS.QV.....DKEVDACLTWV   73
consensus                                       * ****  **! ! * * *!* ** ***      *** * *    **  **     **  *  * *       * ** *! !
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NTDB id 1094 KZH42 RS01320 WP 002224767.1    MR.DGCRLMLLQDEDRPEMLTQGLTAPPVLFLRGNVQLLHKPSAAIVGSRHATPQAMRIAKDFGKSLGGKGIPVVSGMAS   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 1361 HI 0985 AAC22646.1              QK.EGNHLVNYFSPFYPFLLKQTASFPPLLFVKGNLTALSQRQMAMVGSRYCTTYGEYWAKHFATELSLAGFTITSGLAL   149
NTDB id 1388 A4U84 RS04945 WP 062924099.1    EQ.DQQQILTLFDEDYPFLLKQISTAPPVLFVRGNVESLSLPQIAIVGSRDYSHYGEHWAGHFSAELVKHQLAVTSGLAI   148
NTDB id 1250 GCO85 RS13065 WP 027219989.1    SSSENHHILTWDSPYYPALLKEIADPPFILYAKGELSALTQPSLAIVGSRNASVTGNENARAFSREISRHGVSIVSGLAL   150
NTDB id 1152 A1552VC RS00200 WP 000654772.1  SAANNRYIVTPHCPLYPRLLKEINSSPPVLFIEGIWEAVHDPAVAIVGSRNASVDGRQIARQFATELAQSGLVVTSGLAL   151
NTDB id 75119 Vgang RS11820 WP 105902927.1   ADSDEHHILSPLEPDYPYLLSQMSSHPPVLFIKGNLAALNTPQVAIVGSRHASVDGLKAAKDFAFQLAQQGLTITSGLAL   151
NTDB id 1399 DSB67 RS15600 WP 010645755.1    AASSHHHILTLADALYPPLLKQTVAPPPLLFVKGEASCLPQPQIAMVGSRNASVDGLQHTRTFASDLVQHDLIVTSGLAL   153
consensus                                       *    **** * **! *!**  * !**!***!**  *  * *!*!!!! **  **  ** !* ***  ** **!!*!*
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NTDB id 1094 KZH42 RS01320 WP 002224767.1    GIDTAAHQGALQAEGGTIAVWGTGIDRIYPPVNKNLAYEIAEK.GLIVSEFPIGTRPYAGNFPRRNRLIAALSQVTLVVE   235
NTDB id 1089 NMB RS00600 WP 002224767.1      GIDTAAHQGALQAEGGTIAVWGTGIDRIYPPVNKNLAYEIAEK.GLIVSEFPIGTRPYAGNFPRRNRLIAALSQVTLVVE   235
NTDB id 1122 OK783 RS09595 WP 003705341.1    GIDTAAHQGALEAEGGTVAVWGTGIDRIYPPANKNLAYEIAEK.GLIVSEFPIGTRPYAGNFPRRNRLIAALSQVTLVVE   235
NTDB id 1361 HI 0985 AAC22646.1              GIDGHCHQAVVNIQGQTIAVLGSGLEQIYPSKHQRLSAQIIENNGALVSEFLPNQAPIAANFPRRNRIISGLSVGTLVVE   229
NTDB id 1388 A4U84 RS04945 WP 062924099.1    GIDGFCHQRAANENGITIAVLGSGLDQVYPARHKKLAEQIVETSGALVSEFFPSQPPIAENFPRRNRIISGLSLGTLVIE   228
NTDB id 1250 GCO85 RS13065 WP 027219989.1    GIDAHAHLGCLEGGGKTIAVLGTGIDCIYPRRHLKLAEQITEN.GLLLSEFPLKSPPIAGHFPLRNRIISGLSLCILVIE   229
NTDB id 1152 A1552VC RS00200 WP 000654772.1  GIDGYAHDGALQAQGQTVAVLGSGLAQVYPKQHQGLAERIIAQ.GALVSEFAPHTPPKADHFPRRNRIISGLSLGVVVVE   230
NTDB id 75119 Vgang RS11820 WP 105902927.1   GIDGHAHDGALLANGTTVAVLGSGVEQVYPARHNGLAQRIMQNGGALVSELRPDAKPRAEHFPRRNRIISGLSQGVLVVE   231
NTDB id 1399 DSB67 RS15600 WP 010645755.1    GIDGHAHDGALLAGGKTIAVLGSGLEQVYPARHRGLAQRVAEN.GALVSEFRPDAKPRAENFPRRNRIISGLSLGVLVVE   232
consensus                                    !!!* *!****** ! !*!!*!*!****!! *** !*  * ** !***!!* * **! !**!!*!!!*!**!!****!*!
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NTDB id 1094 KZH42 RS01320 WP 002224767.1    AALESGSLITARLAAEMGREVMAVPGSIDNPHSKGCHKLIKDGAKLVECLDDILNECPGLLQNTGASSYSINKGIPEKRI   315
NTDB id 1089 NMB RS00600 WP 002224767.1      AALESGSLITARLAAEMGREVMAVPGSIDNPHSKGCHKLIKDGAKLVECLDDILNECPGLLQNTGASSYSINKGIPEKRI   315
NTDB id 1122 OK783 RS09595 WP 003705341.1    AALESGSLITAGLAAEMGREVMAVPGSIDNPHSKGCHKLIKDGAKLTECLDDILNECPGLLQNTGASSYSINKDTPDTGR   315
NTDB id 1361 HI 0985 AAC22646.1              ATEKSGSLITARYALEQNREVFAVPGNIQNKSSQGCHRLIKQGAMLVENAKDILETLYQHS.......IHSQTEIDFDQI   302
NTDB id 1388 A4U84 RS04945 WP 062924099.1    ATVNSGSLITARYALEQGREVFALPNSVQNPYSEGCHKLIKEGALLVENVEDILEAIAWQR.....QSVHIQPSL.FDTK   302
NTDB id 1250 GCO85 RS13065 WP 027219989.1    AAIKSGSLITARMALEQNRDVLAIPGSIHNPLARGCHYLLQQGAKLVTSVADVLDELKIEHHQFTSN.............   296
NTDB id 1152 A1552VC RS00200 WP 000654772.1  AAEKSGSLITARYAAEQGREVFVVPGSIFNAASQGSNQLIRQGACLVQSVQQIHQELKNALTWSLSEQVP..........   300
NTDB id 75119 Vgang RS11820 WP 105902927.1   AAERSGSLITARYAIEQNRDVFALPGSIYQSGFAGTNRLLQQGAYLALNPQDIMDELNPHVSSLQSHAQHSQPQLDLTYA   311
NTDB id 1399 DSB67 RS15600 WP 010645755.1    AAEKSGSLITARYALEQGREVFALPASINAPNASGGNQLIQNGACLVQNTQEVLNEIQSLLDWSIN..............   298
consensus                                    !***!!!!!!!**!*!**!*!***!***  ** *  !***!***!!  !** * ******    *  *        *  *
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NTDB id 1094 KZH42 RS01320 WP 002224767.1     TAVQTASDQLSLPEGKMPSEKTENRPVGGSILDRMGFDPVHPDVLAGQLAMPAADLYAALLELELDGSVAAMPGGRYQRI   395
NTDB id 1089 NMB RS00600 WP 002224767.1       TAVQTASDQLSLPEGKMPSEKTENRPVGGSILDRMGFDPVHPDVLAGQLAMPAADLYAALLELELDGSVAAMPGGRYQRI   395
NTDB id 1122 OK783 RS09595 WP 003705341.1     RAVQTAY..APPPAAKMPSEGAAGGTAVGGILDKMGFDPVHPDVLAGQLAMPAADLYAALLELELDGSVAAMPGGRYQRI   393
NTDB id 1361 HI 0985 AAC22646.1               AVPNYT....PPPDPR...RL.VEAPSHPKLYSRIGYTPVSIDDLAEEFNLSVDVLLVQLLDLELQDLIISENGLYKRV.   373
NTDB id 1388 A4U84 RS04945 WP 062924099.1     P..KQA....VKSEPKFAKNLPELTACQQQLFEQISLEPISVDDLAKATDMAVETALIELLNLELLGVVKQVRGGYVIT.   375
NTDB id 1250 GCO85 RS13065 WP 027219989.1     ...............KPIFSLAS.....GKENLVKFIGFETTTIDQIIDRSGYGMEQVTSGLAELELKGAVIAVPGGYIRCE   358
NTDB id 1152 A1552VC RS00200 WP 000654772.1   ...........YQATLFSAVQSDEELPFPELLANVGIEATPIDILASRTQIPVQDIMMQLLELELLGHVVAVPGGYIRKG   369
NTDB id 75119 Vgang RS11820 WP 105902927.1    ADGTQTAN..KTQTENKTSAFTRQALPFPQLLANVGNEATPVDILAERTHIPVHEVMMQILELELAGHVVSVPGGYVLNT   389
NTDB id 1399 DSB67 RS15600 WP 010645755.1     ...........QSLDLFSAPIDEEELPFPQLLANVGNEATPVDILASRTNIPVQEVMMQLLELELSGHVVAVSGGYIRKG   367
consensus                                                    *      *       **  ****** *!***  * *** **** ***!!! * *****!*** *
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NTDB id 1094 KZH42 RS01320 WP 002224767.1     RT...   397
NTDB id 1089 NMB RS00600 WP 002224767.1       RT...   397
NTDB id 1122 OK783 RS09595 WP 003705341.1     RT...   395
NTDB id 1361 HI 0985 AAC22646.1               .....   373
NTDB id 1388 A4U84 RS04945 WP 062924099.1     .....   375
NTDB id 1250 GCO85 RS13065 WP 027219989.1     YER..   361
NTDB id 1152 A1552VC RS00200 WP 000654772.1   RG...   371
NTDB id 75119 Vgang RS11820 WP 105902927.1    GNKPK   394
NTDB id 1399 DSB67 RS15600 WP 010645755.1     RG...   369
consensus                                     *
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X non conserved

X similar

X $\geq 50\%$ conserved