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logo
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 1388 A4U84 RS04945 WP 062924099.1     .....MTHLTKLLALLQVPQLGAQRIGRLLSEVDFG.EFCQYDKTALKQMGWNERQIQRWFNPE.....HKWIDQALQWA   69
NTDB id 1361 HI 0985 AAC22646.1               ....MNDITYTLLRLMQVPKLGGVGIDKILSNITLN.ELLNYDDVAFRQMGWGAIQIRRWFKPE.....AKFIEPALVWS   70
NTDB id 1250 GC085 RS13065 WP 027219989.1     .....MNNLQPLLALNRMKRIGPRTVLKLQKRWPDL.NLM....FQLSSVDLEEAGLPSWLAQTIKNFDPDFIKTDLNWL   70
NTDB id 1152 A1552VC RS00200 WP 000654772.1   ...MKDQDLAAWLALCFTPKLGSKTISHLLATRLPA.QLQSFTPKQWLACGLKPEQLVFLTTQA.....AKQAEQCLQWR   71
NTDB id 393510 FIV04 RS14800 WP 152469480.1   ...MTEQELVAWLRLSFIPKLGMKRLKRLLAIDSPL.NIVNYSHEQLQSLGFSDSQITYLKLKT.....EPLVEECLSWQ   71
NTDB id 1399 DSB67 RS15600 WP 010645755.1     MTPQNDIDLAAWLKLSCLPGIGGVKMNKLLSKDTPS.NIVQYSTEQLQLLGLTAKQLQAWS.QV.....DKEVDACLTWV   73
consensus                                       *********! ! *** *!* ******* *  * *****  ***  **    ** **** * *       ****! !
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logo
NTDB id 1094 KZH42 RS01320 WP 002224767.1     MRD.GCRLMLLQDEDFPEMLTQGLTAPPVLFLRGNVQLLHKPSAAIVGSRHATPQAMRIAKDFGKSLGGKGIPVVSGMAS   156
NTDB id 1089 NMB RS00600 WP 002224767.1       MRD.GCRLMLLQDEDFPEMLTQGLTAPPVLFLRGNVQLLHKPSAAIVGSRHATPQAMRIAKDFGKSLGGKGIPVVSGMAS   156
NTDB id 1122 OK783 RS09595 WP 003705341.1     MRD.GCRLMLLQDEDFPEMLTQGLTAPPVLFLRGNVRLLHKPSAAIVGSRHATPQAMRIAKDFGRALGGKGIPTVSGMAS   156
NTDB id 1120 NGFG RS10355 WP 020997408.1      MRD.GCRLMLLQDEDFPEMLTQGLTAPPVLFLRGNVRLLHKPSAAIVGSRHATPQAMRIAKDFGRALGGKGIPTVSGMAS   156
NTDB id 1388 A4U84 RS04945 WP 062924099.1     EQD.QQQILTLFDEDYPFLLKQISTAPPVLFVRGNVESLSLPQIAIVGSRDYSHYGEHWAGHFSAELVKHQLAVTSGLAI   148
NTDB id 1361 HI 0985 AAC22646.1               QKE.GNHLVNYFSPFYPFLLKQTASFPPLLFVKGNLTALSQRQMAMVGSRYCTTYGEYWAKHFATELSLAGFTITSGLAL   149
NTDB id 1250 GC085 RS13065 WP 027219989.1     SSSENHHILTWDSPYYPALLKEIADPPFTLYAKGELSALTQPSLAIVGSRNASVTGNENARAFSREISRHGVSIVSGLAL   150
NTDB id 1152 A1552VC RS00200 WP 000654772.1   SAANNRYIVTPHCPLYPRLLKEINSSPPVLFIEGIWEAVHDPAVAIVGSRNASVDGRQIARQFATELAQSGLVVTSGLAL   151
NTDB id 393510 FIV04 RS14800 WP 152469480.1   AKSANHHLVTHQCAAYPPSLRQIASAPSTLFVRGNITTLSDPQIAMVGSRNASLQGLQTAKAFAREFAQSGLIVTSGLAL   151
NTDB id 1399 DSB67 RS15600 WP 010645755.1     AASSHHHILTLADALYPPLLKQTVAPPPLLFVKGEASCLPQPQIAMVGSRNASVDGLQHTRTFASDLVQHDLIVTSGLAL   153
consensus                                      ** *  *********! *!** ***!**!***!**  ** ***!*!!!! ** *** *** !*****  ** * !!*!*
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logo
NTDB id 1094 KZH42 RS01320 WP 002224767.1     GIDTAAHQGALQAEGGTIAVWGTGIDRIYPPVNKNLAYEIAE.KGLIVSEFPIGTRPYAGNFPRRNRLIAALSQVTLVVE   235
NTDB id 1089 NMB RS00600 WP 002224767.1       GIDTAAHQGALQAEGGTIAVWGTGIDRIYPPVNKNLAYEIAE.KGLIVSEFPIGTRPYAGNFPRRNRLIAALSQVTLVVE   235
NTDB id 1122 OK783 RS09595 WP 003705341.1     GIDTAAHQGALEAEGGTVAVWGTGIDRIYPPANKNLAYEIAE.KGLIVSEFPIGTRPYAGNFPRRNRLIAALSQVTLVVE   235
NTDB id 1120 NGFG RS10355 WP 020997408.1      GIDTAAHQGALEAEGGTIAVWGTGIDRIYPPANKNLAYEIAE.KGLIVSEFPIGTRPYAGNFPRRNRLIAALSQVTLVVE   235
NTDB id 1388 A4U84 RS04945 WP 062924099.1     GIDGFCHQRAANENGITIAVLGSGLDQVYPARHKKLAEQIVETSGALVSEFFPSQPPIAENFPRRNRIISGLSLGTLVIE   228
NTDB id 1361 HI 0985 AAC22646.1               GIDGHCHQAVVNIQGQTIAVLGSGLEQIYPSKHQRLSAQIIENNGALVSEFLPNQAPIAANFPRRNRIISGLSVGTLVVE   229
NTDB id 1250 GC085 RS13065 WP 027219989.1     GIDAHAHLGCLEGGGKTIAVLGTGIDCIYPRRHLKLAEQITE.NGLLLSEFPLKSPPIAGHFPLRNRIISGLSLCILVIE   229
NTDB id 1152 A1552VC RS00200 WP 000654772.1   GIDGYAHDGALQAQGQTVAVLGSGLAQVYPKQHQGLAERIIA.QGALVSEFAPHTPPKADHFPRRNRIISGLSLGVVVVE   230
NTDB id 393510 FIV04 RS14800 WP 152469480.1   GIDGYAHDGALEGGGETFAVLGSGLDAIYPARHRKLAQRIEE.QGALISEFRPSAKPRPENFPRRNRIISGLSLGTLVVE   230
NTDB id 1399 DSB67 RS15600 WP 010645755.1     GIDGHAHDGALLAGGKTIAVLGSGLEQVYPARHRGLAQRVAE.NGALVSEFRPDAKPRAENFPRRNRIISGLSLGVLVVE   232
consensus                                     !!!* *!****** ! !*!!*!*!** *!! *** !*  *** *! **!!!** **! ***!!*!!!*!**!!****!*!
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logo
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 1120 NGFG RS10355 WP 020997408.1      AALESGSLITAGLAAEMGREVMAVPGSIDNPHSKGCHKLIKDGAKLTECLDDILNECPGLLQNTGASSYSINKDTPDTGR   315
NTDB id 1388 A4U84 RS04945 WP 062924099.1     ATVNSGSLITARYALEQGREVFALPNSVQNPYSEGCHKLIKEGALLVENVEDILEAIAWQR.QSVHIQPSL.FD..T...   301
NTDB id 1361 HI 0985 AAC22646.1               ATEKSGSLITARYALEQNREVFAVPGNIQNKSSQGCHRLIKQGAMLVENAKDILETLYQHS...IHSQTEIDFD..Q...   301
NTDB id 1250 GC085 RS13065 WP 027219989.1     AAIKSGSLITARMALEQNRDVLAIPGSIHNPLARGCHYLLQQGAKLVTSVADVLDELKIEHHQFTSNK............   297
NTDB id 1152 A1552VC RS00200 WP 000654772.1   AAEKSGSLITARYAAEQGREVFVVPGSIFNAASQGSNQLIRQGACLVQSVQQIHQELKNALTWSLSEQVPY..Q......   302
NTDB id 393510 FIV04 RS14800 WP 152469480.1   AAEKSGSLITARYALEQGREVFALPGSIHSPTSRGGNSLIKSGACLVQSAQDVLVEIKSLLDWSIDVQPS..........   300
NTDB id 1399 DSB67 RS15600 WP 010645755.1     AAEKSGSLITARYALEQGREVFALPASINAPNASGGNQLIQNGACLVQNTQEVLNEIQSLLDWSINQSLD..........   302
consensus                                     !***!!!!!!!**! !**!*!***!*** ** **!***!***!!*!** ********  ** *** ** **
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logo
NTDB id 1094 KZH42 RS01320 WP 002224767.1     TAVQTASDQLSLP.EGKMPSEKTENRPVGGSILDRMGFDPVHPDVLAGQLAMPAADLYAALLELELDGSVAAMPGGRYQR   394
NTDB id 1089 NMB RS00600 WP 002224767.1       TAVQTASDQLSLP.EGKMPSEKTENRPVGGSILDRMGFDPVHPDVLAGQLAMPAADLYAALLELELDGSVAAMPGGRYQR   394
NTDB id 1122 OK783 RS09595 WP 003705341.1     RAVQTAY..APPP.AAKMPSEGAAGGTAVGGILDKMGFDPVHPDVLAGQLAMPAADLYAALLELELDGSVAAMPGGRYQR   392
NTDB id 1120 NGFG RS10355 WP 020997408.1      RTVQTAY..APPP.AAKMPSEGAAGGTAVGGILDKMGFDPIHPDVLAGQLAMPAADLYAALLELELDGSVAAMPGGRYQR   392
NTDB id 1388 A4U84 RS04945 WP 062924099.1     ....KP..KQAVKSEPKFAKNLPELTACQQQLFEQISLEPISVDDLAKATDMAVETALIELLNLELLGVVKQVRGGYVIT   375
NTDB id 1361 HI 0985 AAC22646.1               ....IAVPNYTPPPDPR...RL.VEAPSHPKLYSRIGYTPVSIDDLAEEFNLSVDVLLVQLLDLELQDLIISENGLYKRV   373
NTDB id 1250 GC085 RS13065 WP 027219989.1     .......PIFSLASG.............KENLVKFIGFETTTIDQIIDRSGYGMEQVTSGLAELELKGAVIAVPGGYIRC   357
NTDB id 1152 A1552VC RS00200 WP 000654772.1   ......ATLFSAV........QSDEELPFPELLANVGIEATPIDILASRTQIPVQDIMMQLLELELLGHVVAVPGGYIRK   368
NTDB id 393510 FIV04 RS14800 WP 152469480.1   ........LFEAPTTD.....NENEQLPFPHLLANVGLEATPVDILAQRTHIPVHEVMMQLLELELLGHVVAVSGGYIRK   367
NTDB id 1399 DSB67 RS15600 WP 010645755.1     ........LFSAPID........EEELPFPQLLANVGNEATPVDILASRTNIPVQEVMMQLLELELSGHVVAVSGGYIRK   366
consensus                                         *   ** * * *       *       ********** *!***  ***** *****!**!!! * *****!*****
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logo
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 1388 A4U84 RS04945 WP 062924099.1     ....   375
NTDB id 1361 HI 0985 AAC22646.1               ....   373
NTDB id 1250 GC085 RS13065 WP 027219989.1     EYER   361
NTDB id 1152 A1552VC RS00200 WP 000654772.1   GRG.   371
NTDB id 393510 FIV04 RS14800 WP 152469480.1   GRG.   370
NTDB id 1399 DSB67 RS15600 WP 010645755.1     GRG.   369
consensus                                      *
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X non conserved

X similar

X $\geq$ 50% conserved