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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 1388 A4U84 RS04945 WP 062924099.1     ......MTHLTKLLALLQVPQLGAQRIGRLLSEVDFGE.FCQYDKTALKQMGWNERQIQRWFNPEHK.....WIDQALQW   68
NTDB id 1361 HI 0985 AAC22646.1               .....MNDITYTLLRLMQVPKLGGVGIDKILSNITLNE.LLNYDDVAFRQMGWGAIQIRRWFKPEAK.....FIEPALVW   69
NTDB id 1250 GCO85 RS13065 WP 027219989.1     ......MNNLQPLLALNRMKRIGPRTVLKLQKRWPDLNLMFQLSSVD.....LEEAGLPSWLAQTIKNFDPDFIKTDLNW   69
NTDB id 1151321 LDO33 RS02155 WP 131914321.1  ...MNDSNSSDVILRLSAVPGIGPKKLSKLLSHLDMDD.LDQLDSERLGKYGFNSRQIQAYLV.GCL.....ELEKARRW   70
NTDB id 1399 DSB67 RS15600 WP 010645755.1     MTPQNDI.DLAAWLKLSCLPGIGGVKMNKLLSKDTPSN.IVQYSTEQLQLLGLTAKQLQAW.SQVDK.....EVDACLTW   72
NTDB id 1152 A1552VC RS00200 WP 000654772.1   ...MKDQ.DLAAWLALCFTPKLGSKTISHLLATRLPAQ.LQSFTPKQWLACGLKPEQLVFLTTQAAK.....QAEQCLQW   70
consensus                                           ** ***! ! *** *!* ******* *  ** ***    **** **     ** ** * * *       *****  !
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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 1388 A4U84 RS04945 WP 062924099.1     AEQD.QQQILTLFDEDYPFLLKQISTAPPVLFVRGNVESLSLPQIAIVGSRDYSHYGEHWAGHFSAELVKHQLAVTSGLA   147
NTDB id 1361 HI 0985 AAC22646.1               SQKE.GNHLVNYFSPFYPFLLKQTASFPPLLFVKGNLTALSQRQMAMVGSRYCTTYGEYWAKHFATELSLAGFTIISGLA   148
NTDB id 1250 GCO85 RS13065 WP 027219989.1     LSSSENHHILTWDSPYYPALLKEIADPPFILYAKGELSALTQPSLAIVGSRNASVTGNENARAFSREISRHGVSIVSGLA   149
NTDB id 1151321 LDO33 RS02155 WP 131914321.1  QQASCNHHIVTLADSTYPMRLKQIVAPPPVLFVVGSVDCLCQLQIAIVGSRQAGVVAKQQVSHIAAQLAECGIVITSGLA   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 1094 KZH42 RS01320 WP 002224767.1     SGIDTAAHQGALQAEGGTIAVWGTGIDRIYPPVNKNLAYEIAE.KGLLVSEFPIGTRPYAGNFPRRNRLIAALSQVTLVV   234
NTDB id 1089 NMB RS00600 WP 002224767.1       SGIDTAAHQGALQAEGGTIAVWGTGIDRIYPPVNKNLAYEIAE.KGLLVSEFPIGTRPYAGNFPRRNRLIAALSQVTLVV   234
NTDB id 1120 NGFG RS10355 WP 020997408.1      SGIDTAAHQGALEAEGGTIAVWGTGIDRIYPPANKNLAYEIAE.KGLLVSEFPIGTRPYAGNFPRRNRLIAALSQVTLVV   234
NTDB id 1122 OK783 RS09595 WP 003705341.1     SGIDTAAHQGALEAEGGTVAVWGTGIDRIYPPANKNLAYEIAE.KGLLVSEFPIGTRPYAGNFPRRNRLIAALSQVTLVV   234
NTDB id 1388 A4U84 RS04945 WP 062924099.1     IGIDGFCHQRAANENGITIAVLGSGLDQVYPARHKKLAEQIVETSGALVSEFFPSQPPIAENFPRRNRIISGLSLGTLVI   227
NTDB id 1361 HI 0985 AAC22646.1               LGIDGHCHQAVVNIQGQTIAVLGSGLEQIYPSKHQRLSAQIIENNGALVSEFLPNQAPIAANFPRRNRIISGLSVGTLVV   228
NTDB id 1250 GCO85 RS13065 WP 027219989.1     LGIDAHAHLGCLEGGGKTIAVLGTGIDCIYPRRHLKLAEQITE.NGLLLSEFPLKSPPIAGHFPLRNRIISGLSLCILVI   228
NTDB id 1151321 LDO33 RS02155 WP 131914321.1  LGIDGAAHQGALE.KGRTIAVMGTGCDRIYPARHRHLAQQISE.AGALVSEFFPGTAANAQHFPRRNRVISALSVGVVVS   228
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 1094 KZH42 RS01320 WP 002224767.1      EAALESGSLITARLAAEMGREVMAVPGSIDNPHSKGCHKLIKDGAKLVECLDDILNECPGLLQNTGASSYSINKGIPEKR   314
NTDB id 1089 NMB RS00600 WP 002224767.1        EAALESGSLITARLAAEMGREVMAVPGSIDNPHSKGCHKLIKDGAKLVECLDDILNECPGLLQNTGASSYSINKGIPEKR   314
NTDB id 1120 NGFG RS10355 WP 020997408.1       EAALESGSLITAGLAAEMGREVMAVPGSIDNPHSKGCHKLIKDGAKLTECLDDILNECPGLLQNTGASSYSINKDTPDTG   314
NTDB id 1122 OK783 RS09595 WP 003705341.1      EAALESGSLITAGLAAEMGREVMAVPGSIDNPHSKGCHKLIKDGAKLTECLDDILNECPGLLQNTGASSYSINKDTPDTG   314
NTDB id 1388 A4U84 RS04945 WP 062924099.1      EATVNSGSLITARYALEQGREVFALPNSVQNPYSEGCHKLIKEGALLVENVEDILEAIAWQRQSVHIQPS.L.....FDT   301
NTDB id 1361 HI 0985 AAC22646.1                EATEKSGSLITARYALEQNREVFAVPGNIQNKSSQGCHRLIKQGAMLVENAKDILETLYQHS..IHSQTE.I....DFDQ   301
NTDB id 1250 GCO85 RS13065 WP 027219989.1      EAAIKSGSLITARMALEQNRDVLAIPGSIHNPLARGCHYLLQQGAKLVTSVADVLDELKIEHH.................   291
NTDB id 1151321 LDO33 RS02155 WP 131914321.1   EAALKSGSLITAHYALEQNRELFAIPGNIDNPLTEGPHRLIQDGAKLITSAADILEEVIPISP.................   291
NTDB id 1399 DSB67 RS15600 WP 010645755.1      EAAEKSGSLITARYALEQGREVFALPASINAPNASGGNQLIQNGACLVQNTQEVLNEIQSLLDWSIN.............   298
NTDB id 1152 A1552VC RS00200 WP 000654772.1    EAAEKSGSLITARYAAEQGREVFVVPGSIFNAASQGSNQLIRQGACLVQSVQQIHQELKNALTWSLS.............   296
consensus                                      !!***!!!!!!!**!  !**!*****!******* **!***!***!!*!** ********  *** *   *  *
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NTDB id 1094 KZH42 RS01320 WP 002224767.1      ITAVQTASDQLSLPEGKMPSEKTENRPVGGSILDRMGFDPVHPDVLAGQLAMPAADLYAALLELELDGSVAAMPGGRYQR   394
NTDB id 1089 NMB RS00600 WP 002224767.1        ITAVQTASDQLSLPEGKMPSEKTENRPVGGSILDRMGFDPVHPDVLAGQLAMPAADLYAALLELELDGSVAAMPGGRYQR   394
NTDB id 1120 NGFG RS10355 WP 020997408.1       RRTVQTAY..APPPAAKMPSEGAAGGTAVGGILDKMGFDPIHPDVLAGQLAMPAADLYAALLELELDGSVAAMPGGRYQR   392
NTDB id 1122 OK783 RS09595 WP 003705341.1      RRAVQTAY..APPPAAKMPSEGAAGGTAVGGILDKMGFDPVHPDVLAGQLAMPAADLYAALLELELDGSVAAMPGGRYQR   392
NTDB id 1388 A4U84 RS04945 WP 062924099.1      K....P..KQAVKSEPKFAKNLPELTACQQQLFEQISLEPISVDDLAKATDMAVETALIELLNLELLGVVKQVRGGYVIT   375
NTDB id 1361 HI 0985 AAC22646.1                I....AVPNYTPPPDPR...RL.VEAPSHPKLYSRIGYTPVSIDDLAEEFNLSVDVLLVQLLDLELQDLIISENGLYKRV   373
NTDB id 1250 GCO85 RS13065 WP 027219989.1      .........QFTSNKPIFSLASGK.....ENLVKFIGFETTTIDQIIDRSGYGMEQVTSGLAELELKGAVIAVPGGYIRC   357
NTDB id 1151321 LDO33 RS02155 WP 131914321.1   .........DILDKTALPSDNSCQQQLPTGGLLDNVGYETTSIDQIVERSLLPVEQVVGELIELEMSGFIAVVPGGYVRL   362
NTDB id 1399 DSB67 RS15600 WP 010645755.1      .........QSL....DLFSAPIDEEELPFPQLLANVGNEATPVDILASRTNIPVQEVMMQLLELELSGHVVAVSGGYIRK   366
NTDB id 1152 A1552VC RS00200 WP 000654772.1    .........EQVPYQATLFSAVQSDEELPFPELLANVGIEATPIDILASRTQIPVQDIMMQLLELELLGHVVAVPGGYIRK   368
consensus                                            **  * **     *     * ********** *!***  ***** ***** **!!* * *****!*****
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NTDB id 1094 KZH42 RS01320 WP 002224767.1      IRT.   397
NTDB id 1089 NMB RS00600 WP 002224767.1        IRT.   397
NTDB id 1120 NGFG RS10355 WP 020997408.1       IRT.   395
NTDB id 1122 OK783 RS09595 WP 003705341.1      IRT.   395
NTDB id 1388 A4U84 RS04945 WP 062924099.1      ....   375
NTDB id 1361 HI 0985 AAC22646.1                ....   373
NTDB id 1250 GCO85 RS13065 WP 027219989.1      EYER   361
NTDB id 1151321 LDO33 RS02155 WP 131914321.1   RRNP   366
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 ≥ 50% conserved