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NTDB id 1021 ACIAD RS00975 WP 004930462.1    MITILSSHHYHTIKVWYVLQHSLSGFKKLIHYFGDCETA..LQPQRLSDWQKLGLHANHLKRLEEVHTLQ.GQQQFEKML   77
NTDB id 1094 KZH42 RS01320 WP 002224767.1    ...MTEDERFAWLQLAFTPYIGAESFLLLMRRFGSAQNA...LSAPAEQVAALIRHKQALEAWRNAEKRALARQAAEAALL   74
NTDB id 1089 NMB RS00600 WP 002224767.1      ...MTEDERFAWLQLAFTPYIGAESFLLLMRRFGSAQNA...LSAPAEQVAALIRHKQALEAWRNAEKRALARQAAEAALL   74
NTDB id 1120 NGFG RS10355 WP 020997408.1     ...MTEDERFAWLQLAFTPYIGAESFLLLMRSFGSAQNA...LSAPAEQVAPAVRHKHALEAWRNAEKRALARQAAEAALL   74
NTDB id 1122 OK783 RS09595 WP 003705341.1    ...MTEDERFAWLQLAFTPYIGAESFLLLMRSFGSAQNA...LSAPAEQVAPAVRHKHALEAWRNAEKRALARQAAEAALL   74
NTDB id 1361 HI 0985 AAC22646.1              ....MNDITYTLLRLMQVPKLGGVGIDKI....LSNITLNELLNYDDVAFRQMGWGAIQIRRWFKP.....EAKFIEPALL   67
NTDB id 1466 ASU2 RS09750 WP 015674213.1     ......MSQTDLLKLLQIPQLGAQRIARL....LSEVDFAQFCQYDKRQLQQIGWNEKQIQRWFNP.....EKRWIESALL   65
NTDB id 1388 A4U84 RS04945 WP 062924099.1    .....MTHLTKLLALLQVPQLGAQRIGRL....LSEVDFGEFCQYDKTALKQMGWNERQIQRWFNP.....EHKWIDQALL   66
NTDB id 1250 GCO85 RS13065 WP 027219989.1    .....MNNLQPLLALNRMKRIGPRTVLKLQKRWPDLNL...MFQLSSVDLEEAGLPSWLAQTIKNF.....DPDFIKTDLL   67
NTDB id 1445 BW25113 RS17035 WP 000228551.1  .....MVDTEIWLRLMSISSLYGDDMVRIA.HWVAKQS.....HIDAVVLQQTGLTLRQAQRFLSF.....PRKSIESSLL   64
NTDB id 1399 DSB67 RS15600 WP 010645755.1    MTPQNDIDLAAWLKLSCLPGIGGVKMNKL....LSKDTPSNIVQYSTEQLQLLGLTAKQLQAW.SQ.....VDKEVDACLL   70
NTDB id 1152 A1552VC RS00200 WP 000654772.1  ...MKDQDLAAWLALCFTPKLGSKTISHL....LATRLPAQLQSFTPKQWLACGLKPEQLVFLTTQ.....AAKQAEQCLL   68
consensus                                                 *   ** *  **  *** * **   * *          **  **      *  * *           * *!
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NTDB id 1021 ACIAD RS00975 WP 004930462.1    AQ.LQTHTDFIVTPDDPAYPSQLIPYQDRPPILFGQGSIQSLIQPQTAVVGSRKPSPHGRQVAYDFSYFLSEKGFYITSG   156
NTDB id 1094 KZH42 RS01320 WP 002224767.1    EWEMRDGCR.LMLLQDEDFPEMLTQGLTAPPVLFLRGNVQLLHKPSAAIVGSRHATPQAMRIAKDFGKSLGGKGIPVVSG   153
NTDB id 1089 NMB RS00600 WP 002224767.1      EWEMRDGCR.LMLLQDEDFPEMLTQGLTAPPVLFLRGNVQLLHKPSAAIVGSRHATPQAMRIAKDFGKSLGGKGIPVVSG   153
NTDB id 1120 NGFG RS10355 WP 020997408.1     EWEMRDGCR.LMLLQDEDFPEMLTQGLTAPPVLFLRGNVRLLHKPSAAIVGSRHATPQAMRIAKDFGRALGGKGIPTVSG   153
NTDB id 1122 OK783 RS09595 WP 003705341.1    EWEMRDGCR.LMLLQDEDFPEMLTQGLTAPPVLFLRGNVRLLHKPSAAIVGSRHATPQAMRIAKDFGRALGGKGIPTVSG   153
NTDB id 1361 HI 0985 AAC22646.1              VWSQKEGNH.LVNYFSPFYPFLLKQTASFPPLLFVKGNLTALSQRQMAMVGSRYCTTYGEYWAKHFATELSLAGFTITSG   146
NTDB id 1466 ASU2 RS09750 WP 015674213.1     AWAEQPNQR.LLTLFDEEYPFLLRQISTAPPVLFVRGSISSLSLPQIAIVGSRDFSAYGEYWAGYFSEQLIKHHLAVTSG   144
NTDB id 1388 A4U84 RS04945 WP 062924099.1    QWAEQDQQQ.ILTLFDEDYPFLLKQISTAPPVLFVRGNVESLSLPQIAIVGSRDYSHYGEHWAGHFSAELVKHQLAVTSG   145
NTDB id 1250 GCO85 RS13065 WP 027219989.1    NWLSSSENHHILTWDSPYYPALLKEIADPPFILYAKGELSALTQPSLAIVGSRNASVTGNENARAFSREISRHGVSIVSG   147
NTDB id 1445 BW25113 RS17035 WP 000228551.1  CWLEQPNHH.LIPADSEFYPPQLLATTDYPGALFVEGELHALHSFQLAVVGSRAHSWYGERWGRLFCETLATRGVTITSG   143
NTDB id 1399 DSB67 RS15600 WP 010645755.1    TWVAASSHHHILTLADALYPPLLKQTVAPPPLLFVKGEASCLPQPQIAMVGSRNASVDGLQHTRTFASDLVQHDLIVTSG   150
NTDB id 1152 A1552VC RS00200 WP 000654772.1  QWRSAANNRYIVTPHCPLYPRLLKEINSSPPVLFIEGIWEAVHDPAVAIVGSRNASVDGRQIARQFATELAQSGLVVTSG   148
consensus                                     *          ** * ** *! *! *  * !**!***! *  *  * *!*!!!! **  *   ** !*  *   ** **!!
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NTDB id 1021 ACIAD RS00975 WP 004930462.1    LAHGIDEAAHQGSLVH.HRAIAVVGTGLDLCYPSGNKALKQHIRDQGGAIVSEFLPGTPPLQAHFPRRNRIVSGLSLGVL   235
NTDB id 1094 KZH42 RS01320 WP 002224767.1    MASGIDTAAHQGALQAEGGTIAVWGTGIDRIYPPVNKNLAYEIAEK.GLIVSEFPIGTRPYAGNFPRRNRLIAALSQVTL   232
NTDB id 1089 NMB RS00600 WP 002224767.1      MASGIDTAAHQGALQAEGGTIAVWGTGIDRIYPPVNKNLAYEIAEK.GLIVSEFPIGTRPYAGNFPRRNRLIAALSQVTL   232
NTDB id 1120 NGFG RS10355 WP 020997408.1     MASGIDTAAHQGALEAEGGTIAVWGTGIDRIYPPANKNLAYEIAEK.GLIVSEFPIGTRPYAGNFPRRNRLIAALSQVTL   232
NTDB id 1122 OK783 RS09595 WP 003705341.1    MASGIDTAAHQGALEAEGGTVAVWGTGIDRIYPPANKNLAYEIAEK.GLIVSEFPIGTRPYAGNFPRRNRLIAALSQVTL   232
NTDB id 1361 HI 0985 AAC22646.1              LALGIDGHCHQAVVNIQGQTIAVLGSGLEQIYPSKHQRLSAQIIENNGALVSEFLPNQAPIAANFPRRNRIISGLSVGTL   226
NTDB id 1466 ASU2 RS09750 WP 015674213.1     LAIGIDGFCHQRAVAEQGITIAVLGSGLDQVYPARHKKLAEQIVESGGALVSEFFPNHPPLAENFPRRNRIISGLSLGTL   224
NTDB id 1388 A4U84 RS04945 WP 062924099.1    LAIGIDGFCHQRAANENGITIAVLGSGLDQVYPARHKKLAEQIVETSGALVSEFFPSQPPIAENFPRRNRIISGLSLGTL   225
NTDB id 1250 GCO85 RS13065 WP 027219989.1    LALGIDAHAHLGCLEGGGKTIAVLGTGIDCIYPRRHLKLAEQITEN.GLLLSEFPLKSPPIAGHFPLRNRIISGLSLCIL   226
NTDB id 1445 BW25113 RS17035 WP 000228551.1  LARGIDGVAHKAALQVNGVSIAVLGNGLNTIHPRRHARLAASLLEQGGALVSEFPLDVPPLAYNFPRRNRIISGLSKGVL   223
NTDB id 1399 DSB67 RS15600 WP 010645755.1    LALGIDGHAHDGALLAGGKTIAVLGSGLEQVYPARHRGLAQRVAEN.GALVSEFRPDAKPRAENFPRRNRIISGLSLGVL   229
NTDB id 1152 A1552VC RS00200 WP 000654772.1  LALGIDGYAHDGALQAQGQTVAVLGSGLAQVYPKQHQGLAERIIAQ.GALVSEFAPHTPPKADHFPRRNRIISGLSLGVV   227
consensus                                    *! !!!* *!**** * * **!!*!*!** **!  ** !*  * *  !***!!!    * ! ***!!*!!!****!!****
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NTDB id 1021 ACIAD RS00975 WP 004930462.1   VVEATLKSGSLITANKAAEQGKVVFAIPGHIYSEFHQGCHQLIREGAILVDHPEQIIEDLALPTHWHSQSTASGEA....   311
NTDB id 1094 KZH42 RS01320 WP 002224767.1   VVEAALESGSLITARLAAEMGREVMAVPGSIDNPHSKGCHKLIKDGAKLVECLDDILNECPGLLQNTGASSYSIN..KGI   310
NTDB id 1089 NMB RS00600 WP 002224767.1     VVEAALESGSLITARLAAEMGREVMAVPGSIDNPHSKGCHKLIKDGAKLVECLDDILNECPGLLQNTGASSYSIN..KGI   310
NTDB id 1120 NGFG RS10355 WP 020997408.1    VVEAALESGSLITAGLAAEMGREVMAVPGSIDNPHSKGCHKLIKDGAKLTECLDDILNECPGLLQNTGASSYSIN..KDT   310
NTDB id 1122 OK783 RS09595 WP 003705341.1   VVEAALESGSLITAGLAAEMGREVMAVPGSIDNPHSKGCHKLIKDGAKLTECLDDILNECPGLLQNTGASSYSIN..KDT   310
NTDB id 1361 HI 0985 AAC22646.1             VVEATEKSGSLITARYALEQNREVFAVPGNIQNKSSQGCHRLIKQGAMLVENAKDILETLYQHSIHSQ.TEIDFD.....   300
NTDB id 1466 ASU2 RS09750 WP 015674213.1    VVEATVNSGSLITARYALEQGREVFALPNSVQNPYAQGCHKLIKEGAVLTETIEDILQAIQYQLPDQPRQQALFETEQAV   304
NTDB id 1388 A4U84 RS04945 WP 062924099.1    VIEATVNSGSLITARYALEQGREVFALPNSVQNPYSEGCHKLIKEGALLVENVEDILEAIAWQRQSVHIQPSLFDTKPKQ   305
NTDB id 1250 GCO85 RS13065 WP 027219989.1    VIEAAIKSGSLITARMALEQNRDVLAIPGSIHNPLARGCHYLLQQGAKLVTSVADVLDELKIEHHQFTSNK.........   297
NTDB id 1445 BW25113 RS17035 WP 000228551.1  VVEAALRSGSLVTARCALEQGREVFALPGPIGNPGSEGPHWLIKQGAILVTEPEEILENLQFGLHWLPDAP.........   294
NTDB id 1399 DSB67 RS15600 WP 010645755.1    VVEAAEKSGSLITARYALEQGREVFALPASINAPNASGGNQLIQNGACLVQNTQEVLNEIQSLLDWSINQS.........   300
NTDB id 1152 A1552VC RS00200 WP 000654772.1  VVEAAEKSGSLITARYAAEQGREVFVVPGSIFNAASQGSNQLIRQGACLVQSVQQIHQELKNALTWSLSEQ.........   298
consensus                                   !*!!** !!!!*!!* ! !****!***!*** ** * !***!***!! !** ********   *  *
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NTDB id 1021 ACIAD RS00975 WP 004930462.1   ..............NADDSGKTDDADLPDDLLPLYQLL...DWQGQDLDQLAQHYQGSTAELTAQLMELELLGVCIQQS   373
NTDB id 1094 KZH42 RS01320 WP 002224767.1   PEKRITAVQTASDQLSLP..EGKMPSEKTENRPVGGSILDRMGFDPVHPDVLAGQLAMPAADLYAALLELELDGSVAAMP   388
NTDB id 1089 NMB RS00600 WP 002224767.1     PEKRITAVQTASDQLSLP..EGKMPSEKTENRPVGGSILDRMGFDPVHPDVLAGQLAMPAADLYAALLELELDGSVAAMP   388
NTDB id 1120 NGFG RS10355 WP 020997408.1    PDTGRRTVQTAY..APPP..AAKMPSEGAAGGTAVGGILDKMGFDPIHPDVLAGQLAMPAADLYAALLELELDGSVAAMP   386
NTDB id 1122 OK783 RS09595 WP 003705341.1   PDTGRRAVQTAY..APPP..AAKMPSEGAAGGTAVGGILDKMGFDPVHPDVLAGQLAMPAADLYAALLELELDGSVAAMP   386
NTDB id 1361 HI 0985 AAC22646.1             ..............QIAVPNYTPPPDPRRLVEAPSHPKLYSRIGYTPVSIDDLAEEFNLSVDVLLVQLLDLELQDLIISEN   367
NTDB id 1466 ASU2 RS09750 WP 015674213.1    EKTQFFA......KANMPNKVNHFAKKLPEMTACQQQIVEHIGLNPISIDDLAKATALEVETLLVELLGLELLSVIKQVS   378
NTDB id 1388 A4U84 RS04945 WP 062924099.1    ..............AVKSEPKFAKNLPELTACQQQLFEQISLEPISVDDLAKATDMAVETALIELLNLELLGVVKQVR   369
NTDB id 1250 GCO85 RS13065 WP 027219989.1    ....................PIFSLASG.....KENLVKFIGFETTTIDQIIDRSGYGMEQVTSGLAELELKGAVIAVP   351
NTDB id 1445 BW25113 RS17035 WP 000228551.1  ..................ENSFYSPDQQDVALPFPELLANVGDEVTPVDVVAERAGQPVPEVVTQLLELELAGWIAAVP   355
NTDB id 1399 DSB67 RS15600 WP 010645755.1    ................L....DLFSAPIDEEELPFPQLLANVGNEATPVDILASRTNIPVQEVMMQLLELELSGHVVAVS   360
NTDB id 1152 A1552VC RS00200 WP 000654772.1  ................VPYQATLFSAVQSDEELPFPELLANVGIEATPIDILASRTQIPVQDIMMQLLELELLGHVVAVP   362
consensus                                                    *          *        **  ****** *!***    **** **    !**!!! * * ***
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NTDB id 1021 ACIAD RS00975 WP 004930462.1   GRYLRCRSPY.........   383
NTDB id 1094 KZH42 RS01320 WP 002224767.1   GGRYQRIRT.........   397
NTDB id 1089 NMB RS00600 WP 002224767.1     GGRYQRIRT.........   397
NTDB id 1120 NGFG RS10355 WP 020997408.1    GGRYQRIRT.........   395
NTDB id 1122 OK783 RS09595 WP 003705341.1   GGRYQRIRT.........   395
NTDB id 1361 HI 0985 AAC22646.1             GLYKRV............   373
NTDB id 1466 ASU2 RS09750 WP 015674213.1    GGYVRQ............   384
NTDB id 1388 A4U84 RS04945 WP 062924099.1    GGYVIT............   375
NTDB id 1250 GCO85 RS13065 WP 027219989.1    GGYIRCEYER........   361
NTDB id 1445 BW25113 RS17035 WP 000228551.1  GGYVRLRRACHVRRTNVFV   374
NTDB id 1399 DSB67 RS15600 WP 010645755.1    GGYIRKGRG.........   369
NTDB id 1152 A1552VC RS00200 WP 000654772.1  GGYIRKGRG.........   371
consensus                                   !****  *
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X non conserved
X similar
X ≥ 50% conserved