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NTDB id 1314 DR RS00625 WP 010886768.1      MTLPSPAAAHAELLALLTLRFTPGLGPRRIENLRRHFGSAEAALA.APLTELR.....RVEGLDSRSVAAIGGAKAAEEA   74
NTDB id 1037 TT RS09535 WP 011174226.1      .............MDPLALALLPGIGPKRLLEVLKAED.........PLGFLR.....ERFPEAWRHL.....PEAEAQA   48
NTDB id 1021 ACIAD RS00975 WP 004930462.1   MITILSSHHYHTIKVWYVLQH....SLSGFKKLIHYFGDCETALQPQRLSDWQKLGLHANHLKRLEEVH...TLQGQQQF   73
NTDB id 24657 TBD RS00050 WP 041432812.1    .........MSATEVWLRLALAPGVGNAALLRLLTAFGSPEAVLT.SGRSALAAHLSSAQCDAV.......LGAPDPAQL   63
NTDB id 1094 KZH42 RS01320 WP 002224767.1   .......MTEDERFAWLQLAFTPYIGAESFLLLMRRFGSAQNALS.APAEQVAALIRHKQALEAWRNAE..KRALARQAA   70
NTDB id 1089 NMB RS00600 WP 002224767.1     .......MTEDERFAWLQLAFTPYIGAESFLLLMRRFGSAQNALS.APAEQVAALIRHKQALEAWRNAE..KRALARQAA   70
NTDB id 1122 OK783 RS09595 WP 003705341.1   .......MTEDERFAWLQLAFTPYIGAESFLLLMRSFGSAQNALS.APAEQVAPAVRHKHALEAWRNAE..KRALARQAA   70
NTDB id 1120 NGFG RS10355 WP 020997408.1    .......MTEDERFAWLQLAFTPYIGAESFLLLMRSFGSAQNALS.APAEQVAPAVRHKHALEAWRNAE..KRALARQAA   70
NTDB id 1250 GCO85 RS13065 WP 027219989.1   .........MNNLQPLLALNRMKRIGPRTVLKLQKRWPDLNLMFQ.LS.....SVDLEEAGLPSWLAQT..IKNFDPDFI   63
NTDB id 1388 A4U84 RS04945 WP 062924099.1   .........MTHLTKLLALLQVPQLGAQRIGRLLSEVDF.GEFCQ.YDKTALKQMGWNERQIQRWFNP.......EHKWI   62
NTDB id 1399 DSB67 RS15600 WP 010645755.1   ....MTPQNDIDLAAWLKLSCLPGIGGVKMNKLLSKDTP.SNIVQ.YSTEQLQLLGLTAKQLQAW.SQ.......VDKEV   66
NTDB id 1152 A1552VC RS00200 WP 000654772.1 .......MKDQDLAAWLALCFTPKLGSKTISHLLATRLP.AQLQS.FTPKQWLACGLKPEQLVFLTTQ.......AAKQA   64
consensus                                             *  ***  !   *  **   **  ***  **     *        *          *  *          *   *
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NTDB id 1314 DR RS00625 WP 010886768.1      RAELNKAAERG.VTLLGRGLPGYPAALEALGDPPAVLWVRGAGGAELLAGLGTVPHSVGIVGTRAASPHALALTRTIAGE   153
NTDB id 1037 TT RS09535 WP 011174226.1      ERERRRAEALG.VRLLGLWEEGFPEGLKALPQPPPTHLYLKGELP........PEREAVALVGTRRASPWALAFARKLARE   119
NTDB id 1021 ACIAD RS00975 WP 004930462.1   EKMLAQ.LQTHTDFIVTPDDPAYPSQLIPYQDRPPILFGQGSIQS.......LIQPQIAVVGSRKPSPHGRQVAYDFSYF   145
NTDB id 24657 TBD RS00050 WP 041432812.1    DAALAWLEQPG.NSLMTLGDADYPAALLEIADPPAVLYCKGRRELR......LGRPALGIVGSRNATPQGIRDAEAFALA   135
NTDB id 1094 KZH42 RS01320 WP 002224767.1   EAALEWEMRDG.CRLMLLQDEDFPEMLTQGLTAPPVLFLRGNVQL.......LHKPSAAIVGSRHATPQAMRIAKDFGKS   142
NTDB id 1089 NMB RS00600 WP 002224767.1     EAALEWEMRDG.CRLMLLQDEDFPEMLTQGLTAPPVLFLRGNVQL.......LHKPSAAIVGSRHATPQAMRIAKDFGKS   142
NTDB id 1122 OK783 RS09595 WP 003705341.1   EAALEWEMRDG.CRLMLLQDEDFPEMLTQGLTAPPVLFLRGNVRL.......LHKPSAAIVGSRHATPQAMRIAKDFGRA   142
NTDB id 1120 NGFG RS10355 WP 020997408.1    EAALEWEMRDG.CRLMLLQDEDFPEMLTQGLTAPPVLFLRGNVRL.......LHKPSAAIVGSRHATPQAMRIAKDFGRA   142
NTDB id 1250 GCO85 RS13065 WP 027219989.1   KTDLNWLSSSENHHILTWDSPYYPALLKEIADPPFILYAKGELSA.......LTQPSLAIVGSRNASVTGNENARAFSRE   136
NTDB id 1388 A4U84 RS04945 WP 062924099.1   DQALQWAEQD.QQQILTLFDEDYPFLLKQISTAPPVLFVRGNVES.......LSLPQIAIVGSRDYSHYGEHWAGHFSAE   134
NTDB id 1399 DSB67 RS15600 WP 010645755.1   DACLTWVAASSHHHILTLADALYPPLLKQTVAPPLLFVKGEASC.......LPQPQIAMVGSRNASVDGLQHTRTFASD   139
NTDB id 1152 A1552VC RS00200 WP 000654772.1 EQCLQWRSAANNRYIVTPHCPLYPRLLKEINSSPPVLFIEGIWEA.......VHDPAVAIVGSRNASVDGRQIARQFATE   137
consensus                                   ** * *    *   ** * *  *! *!      !**!***! *         *  * ***!!*! *** ** *** **
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NTDB id 1314 DR RS00625 WP 010886768.1      LAAAGVLIVSGLARGVDTAAHTAALEAASGEASSPTIGVLGSAVDVIYPRENHDLAGRMV.....VVSEYPLGTGPAQHH   228
NTDB id 1037 TT RS09535 WP 011174226.1      LSEAGLWVVSGLARGIDREAHLGALEA.....GGRTLGVLGSALDRVYPPENRPLAQRMD.....LLSEFPFGTGPKPEF   189
NTDB id 1021 ACIAD RS00975 WP 004930462.1   LSEKGFYITSGLAHGIDEAAHQGSLVH.....HRAIAVVGTGLDLCYPSGNKALKQHIRDQGGAIVSEFLPGTPPLQAH   219
NTDB id 24657 TBD RS00050 WP 041432812.1    LSNAGLTVISGLALGIDAAAHRGGLAG.....AASSVAVIGTGLDRIYPARNKALAHELAA.NGLVVSEFALGTPPLPGH   209
NTDB id 1094 KZH42 RS01320 WP 002224767.1   LGGKGIPVVSGMASGIDTAAHQGALQA.....EGGTIAVWGTGIDRIYPPVNKNLAYEIAE.KGLIVSEFPIGTRPYAGN   216
NTDB id 1089 NMB RS00600 WP 002224767.1     LGGKGIPVVSGMASGIDTAAHQGALQA.....EGGTIAVWGTGIDRIYPPVNKNLAYEIAE.KGLIVSEFPIGTRPYAGN   216
NTDB id 1122 OK783 RS09595 WP 003705341.1   LGGKGIPTVSGMASGIDTAAHQGALEA.....EGGTVAVWGTGIDRIYPPANKNLAYEIAE.KGLIVSEFPIGTRPYAGN   216
NTDB id 1120 NGFG RS10355 WP 020997408.1    LGGKGIPTVSGMASGIDTAAHQGALEA.....EGGTIAVWGTGIDRIYPPANKNLAYEIAE.KGLIVSEFPIGTRPYAGN   216
NTDB id 1250 GCO85 RS13065 WP 027219989.1   ISRHGVSIVSGLALGIDAHAHLGCLEG.....GGKTIAVLGTGIDCIYPRRHLKLAEQITE.NGLLLSEFPLKSPPIAGH   210
NTDB id 1388 A4U84 RS04945 WP 062924099.1   LVKHQLAVTSGLAIGIDGFCHQRAANE.....NGITIAVLGSGLDQVYPARHKKLAEQIVETSGALVSEFFPSQPPIAEN   209
NTDB id 1399 DSB67 RS15600 WP 010645755.1   LVQHDLIVTSGLALGIDGHAHDGALLA.....GGKTIAVLGSGLEQVYPARHRGLAQRVAE.NGALVSEFRPDAKPRAEN   213
NTDB id 1152 A1552VC RS00200 WP 000654772.1 LAQSGLVVTSGLALGIDGYAHDGALQA.....QGQTVAVLGSGLAQVYPKQHQGLAERIIA.QGALVSEFAPHTPPKADH   211
consensus                                   *   ** **!!*! !*! **! *** *      * ***!*!**** *!!  ** !*  * *  * **!!***** ! **
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NTDB id 1314 DR RS00625 WP 010886768.1      FPSRNRVIAALSAGVLVVEGERKSGSLITATHALDCGRTVFAVPGRAGDPRASGPHALIRDGAVLTESAQDVLTELNWGL   308
NTDB id 1037 TT RS09535 WP 011174226.1      FPRRNRLIAGLCRAVVVVEAPLDSGALITARHALELGKEVLAVPGRPMDERSLGANRLIQDGAYPVLSAEDVLSYLGMSA   269
NTDB id 1021 ACIAD RS00975 WP 004930462.1   FPRRNRIVSGLSLGVLVVEATLKSGSLITANKAAEQGKVVFAIPGHIYSEFHQGCHQLIREGAILVDHPEQIIEDLALPT   299
NTDB id 24657 TBD RS00050 WP 041432812.1    FPRRNRLISGLSRGVLVVEAAPDSGSLITARVAAEQGREVFAIPGSIHSPLARGCHALIKQGAKLVESAADVLDELAWQQ   289
NTDB id 1094 KZH42 RS01320 WP 002224767.1   FPRRNRLIAALSQVTLVVEAALESGSLITARLAAEMGREVMAVPGSIDNPHSKGCHKLIKDGAKLVECLDDILNECPGLL   296
NTDB id 1089 NMB RS00600 WP 002224767.1     FPRRNRLIAALSQVTLVVEAALESGSLITARLAAEMGREVMAVPGSIDNPHSKGCHKLIKDGAKLVECLDDILNECPGLL   296
NTDB id 1122 OK783 RS09595 WP 003705341.1   FPRRNRLIAALSQVTLVVEAALESGSLITAGLAAEMGREVMAVPGSIDNPHSKGCHKLIKDGAKLTECLDDILNECPGLL   296
NTDB id 1120 NGFG RS10355 WP 020997408.1    FPRRNRLIAALSQVTLVVEAALESGSLITAGLAAEMGREVMAVPGSIDNPHSKGCHKLIKDGAKLTECLDDILNECPGLL   296
NTDB id 1250 GCO85 RS13065 WP 027219989.1   FPLRNRIISGLSLCILVIEAAIKSGSLITARMALEQNRDVLAIPGSIHNPLARGCHYLLQQGAKLVTSVADVLDELKIEH   290
NTDB id 1388 A4U84 RS04945 WP 062924099.1   FPRRNRIISGLSLGTLVIEATVNSGSLITARYALEQGREVFALPNSVQNPYSEGCHKLIKEGALLVENVEDILEAI....   285
NTDB id 1399 DSB67 RS15600 WP 010645755.1   FPRRNRIISGLSLGVLVVEAAEKSGSLITARYALEQGREVFALPASINAPNASGGNQLIQNGACLVQNTQEVLNEIQSLL   293
NTDB id 1152 A1552VC RS00200 WP 000654772.1 FPRRNRIISGLSLGVVVVEAAEKSGSLITARYAAEQGREVFVVPGSIFNAASQGSNQLIRQGACLVQSVQQIHQELKNAL   291
consensus                                   !!*!!!** *!* ***!*!*** !!*!!!!* !** ***! **!*** ** * !** !***!! *** ***** **    *
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NTDB id 1314 DR RS00625 WP 010886768.1      APA....P.............................AVPDLPPEQARVLRALQTPAT..LDDLAATTGLSIPELQTAL   352
NTDB id 1037 TT RS09535 WP 011174226.1      RPK....P.............................LPGLSPEEEALYALLQEKKEALPEALALMALGIPPERVLSLL   314
NTDB id 1021 ACIAD RS00975 WP 004930462.1   HWHSQSTASGEANADDSGK.....TD.........DADLPDDL...LPLYQLLDWQ.GQDLDQLAQHYQQGSTAELTAQL   360
NTDB id 24657 TBD RS00050 WP 041432812.1    RLS...PP.....................VLPES..........EPDPVLDALDGA.PTTLDSLAQKTGLTLDALSAKL   333
NTDB id 1094 KZH42 RS01320 WP 002224767.1   QNTGASSYSINKGIPEKRITAVQTASDQLSLPEGKMPSEKTENRPVGGSILDRMGFD.PVHPDVLAGQLAMPAADLYAAL   375
NTDB id 1089 NMB RS00600 WP 002224767.1     QNTGASSYSINKGIPEKRITAVQTASDQLSLPEGKMPSEKTENRPVGGSILDRMGFD.PVHPDVLAGQLAMPAADLYAAL   375
NTDB id 1122 OK783 RS09595 WP 003705341.1   QNTGASSYSINKDTPDTGRRAVQTAY..APPPAAKMPSEGAAGGTAVGGILDKMGFD.PVHPDVLAGQLAMPAADLYAAL   373
NTDB id 1120 NGFG RS10355 WP 020997408.1    QNTGASSYSINKDTPDTGRRTVQTAY..APPPAAKMPSEGAAGGTAVGGILDKMGFD.PIHPDVLAGQLAMPAADLYAAL   373
NTDB id 1250 GCO85 RS13065 WP 027219989.1   HQ.....FTSNKPIFS.........................LASGKENLVKFIGFE.TTTIDQIIDRSGYGMEQVTSGL   338
NTDB id 1388 A4U84 RS04945 WP 062924099.1   AWQRQ.SVHIQPSLFDTKP.......KQAVKSEPKFAKNLPELTACQQQLFEQISLE.PISVDDLAKATDMAVETALIEL   356
NTDB id 1399 DSB67 RS15600 WP 010645755.1   DWSINQSL....DLFSAPI.......D.............EEELPFPQLLANVGNE.ATPVDILASRTNIPVQEVMMQL   347
NTDB id 1152 A1552VC RS00200 WP 000654772.1 TWSLSEQVPYQATLFSAVQ.......S.............DEELPFPELLANVGIE.ATPIDILASRTQIPVQDIMMQL   349
consensus                                     *    *    *                          *         **  **  *     **  **    ***   **    !
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NTDB id 1314 DR RS00625 WP 010886768.1      VMLQLQGLAYEV.GGRWSR....   370
NTDB id 1037 TT RS09535 WP 011174226.1      TLLELKGLARALPGGRYGPG...   334
NTDB id 1021 ACIAD RS00975 WP 004930462.1   MELELLGVCIQQSGRYLRCRSPY   383
NTDB id 24657 TBD RS00050 WP 041432812.1    LALELDGRIAALPGGRYQKIH..   354
NTDB id 1094 KZH42 RS01320 WP 002224767.1   LELELDGSVAAMPGGRYQRIRT.   397
NTDB id 1089 NMB RS00600 WP 002224767.1     LELELDGSVAAMPGGRYQRIRT.   397
NTDB id 1122 OK783 RS09595 WP 003705341.1   LELELDGSVAAMPGGRYQRIRT.   395
NTDB id 1120 NGFG RS10355 WP 020997408.1    LELELDGSVAAMPGGRYQRIRT.   395
NTDB id 1250 GCO85 RS13065 WP 027219989.1   AELELKGAVIAVPGGYIRCEYER   361
NTDB id 1388 A4U84 RS04945 WP 062924099.1   LNLELLGVVKQVRGGYVIT....   375
NTDB id 1399 DSB67 RS15600 WP 010645755.1   LELELSGHVVAVSGGYIRKGRG.   369
NTDB id 1152 A1552VC RS00200 WP 000654772.1 LELELLGHVVAVPGGYIRKGRG.   371
consensus                                   **!*! ! * ***!*** *
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X non conserved
X similar
X ≥ 50% conserved