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NTDB id 1021 ACIAD RS00975 WP 004930462.1    MITILSSHHYHTIKVWYVLQH.SLSGFKKLIHYFGDC..ETALQPQRLSDWQKLGLHANHLKRLEEVHTLQGQQQFEKML    77
NTDB id 222441 A6J40 RS08205 WP 003632878.1   .........MSNLLFYLALNRMEQVGPRTVMKLRKRWPDLQQMFGLLTATELEQAGVSGSLAQTITGFDFS....LIQMDL    67
NTDB id 1250 GCO85 RS13065 WP 027219989.1     .........MNNLQPLLALNRMKRIGPRTVLKLQKRWPDLNLMFQLSSVDLEEAGLPSWLAQTIKNFDPD....FIKTDL    67
NTDB id 1388 A4U84 RS04945 WP 062924099.1     .........MTHLTKLLALLQVPQLGAQRIGRLLSEV.DFGEFCQYDKTALKQMGWNERQIQRWFNPEHK....WIDQAL    66
NTDB id 1399 DSB67 RS15600 WP 010645755.1     ....MTPQNDIDLAAWLKLSCLPGIGGVKMNKLLSKD.TPSNIVQYSTEQLQLLGLTAKQLQAW.SQVDK....EVDACL    70
NTDB id 1152 A1552VC RS00200 WP 000654772.1   .......MKDQDLAAWLALCFTPKLGSKTISHLLATR.LPAQLQSFTPKQWLACGLKPEQLVFLTTQAAK....QAEQCL    68
consensus                                                * ***!  *  *! * * **          *   *   *   !*    ** *         **  !
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NTDB id 1021 ACIAD RS00975 WP 004930462.1    A.QLQTHTDFIVTPDDPAYPSQLIPYQDRPPILFGQGSIQSLIQPQIAVVGSRKPSPHGRQVAYDFSYFLSEKGFYITSG   156
NTDB id 222441 A6J40 RS08205 WP 003632878.1   HWLNAAEDHHLLTWDSPEYPALLKEITDPPLVLYAKGQLSCLQQPKLAIVGSRNPTVTGSENARMFAKSISAYGVTIVSG   147
NTDB id 1250 GCO85 RS13065 WP 027219989.1     NWLSSSENHHILTWDSPYYPALLKEIADPPFILYAKGELSALTQPSLAIVGSRNASVTGNENARAFSREISRHGVSIVSG   147
NTDB id 1388 A4U84 RS04945 WP 062924099.1     QWAEQD.QQQILTLFDEDYPFLLKQISTAPPVLFVRGNVESLSLPQIAIVGSRDYSHYGEHWAGHFSAELVKHQLAVTSG   145
NTDB id 1399 DSB67 RS15600 WP 010645755.1     TWVAASSHHHILTLADALYPPLLKQTVAPPLLFVKGEASCLPQPQIAMVGSRNASVDGLQHTRTFASDLVQHDLIVTSG   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.HRAIAVVGTGLDLCYPSGNKALKQHIRDQQGAIVSEFLPGTPPLQAHFPRRNRIVSGLSLGVL   235
NTDB id 222441 A6J40 RS08205 WP 003632878.1   LALGIDAQAHMGCLEAGGQTIAVLGTGIDCIYPHRHVTLSQQISQ.NGLLLSEFPLKSPPIAGHFPRRNRIISGLSLCTL   226
NTDB id 1250 GCO85 RS13065 WP 027219989.1     LALGIDAHAHLGCLEGGGKTIAVLGTGIDCIYPRRHLKLAEQITE.NGLLLSEFPLKSPPIAGHFPLRNRIISGLSLCIL   226
NTDB id 1388 A4U84 RS04945 WP 062924099.1     LAIGIDGFCHQRAANENGITIAVLGSGLDQVYPARHKKLAEQIVETSGALVSEFFPSQPPIAENFPRRNRIISGLSLGTL   225
NTDB id 1399 DSB67 RS15600 WP 010645755.1     LALGIDGHAHDGALLAGGKTIAVLGSGLEQVYPARHRGLAQRVAE.NGALVSEFRPDAKPRAENFPRRNRIISGLSLGVL   229
NTDB id 1152 A1552VC RS00200 WP 000654772.1   LALGIDGYAHDGALQAQGQTVAVLGSGLAQVYPKQHQGLAERIIA.QGALVSEFAPHTPPKADHFPRRNRIISGLSLGVV   227
consensus                                     !!*!!!* *! * * * * **!!*!*!** *!! **  !*  * * *!***!!! * **!** *!!*!!!!*!!!!!***
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NTDB id 1021 ACIAD RS00975 WP 004930462.1    VVEATLKSGSLITANKAAEQGKVVFAIPGHIYSEFHQGCHQLIREGAILVDHPEQIIEDLALPTHWHSQSTASGEANA..   313
NTDB id 222441 A6J40 RS08205 WP 003632878.1   VVESAVKSGSLITARMALEQNRDVLAIPGSIHNPMARGCHYLLQQGAKLVTSVADVLEELMIDSKGQTT.....SKAIL.   300
NTDB id 1250 GCO85 RS13065 WP 027219989.1     VIEAAIKSGSLITARMALEQNRDVLAIPGSIHNPLARGCHYLLQQGAKLVTSVADVLDELKIEHHQFTS.....NKPIF.   300
NTDB id 1388 A4U84 RS04945 WP 062924099.1     VIEATVNSGSLITARYALEQGREVFALPNSVQNPYSEGCHKLIKEGALLVENVEDILEAI....AWQRQ.SVHIQPSLFD   300
NTDB id 1399 DSB67 RS15600 WP 010645755.1     VVEAAEKSGSLITARYALEQGREVFALPASINAPNASGGNQLIQNGACLVQNTQEVLNEIQSLLDWSINQSL....DLFS   305
NTDB id 1152 A1552VC RS00200 WP 000654772.1   VVEAAEKSGSLITARYAAEQGREVFVVPGSIFNAASQGSNQLIRQGACLVQSVQQIHQELKNALTWSLSEQVPYQATLFS   307
consensus                                     !*!****!!!!!!!* !*!!***!***!*** **   !** !* *!! !!  * ******     *          **
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NTDB id 1021 ACIAD RS00975 WP 004930462.1    ......DDSGKTDDADLPDDLLPLYQLL...DWQGQDLDQLAQHYQGSTAELTAQLMELELLGVCIQQSGRYLRCRSPY   383
NTDB id 222441 A6J40 RS08205 WP 003632878.1   ..................PLASGNKNLVKFIGFEMTTVDQIILRSGCTVEQVTRELAELELSGVVVSVPGGYMRC....   357
NTDB id 1250 GCO85 RS13065 WP 027219989.1     ..................SLASGKENLVKFIGFETTTIDQIIDRSGYGMEQVTSGLAELELKGAVIAVPGGYIRCEYER   361
NTDB id 1388 A4U84 RS04945 WP 062924099.1     TKPKQAVKSEPKFAKNLPELTACQQQLFEQISLEPISVDDLAKATDMAVETALIELLNLELLGVVKQVRGGYVIT....   375
NTDB id 1399 DSB67 RS15600 WP 010645755.1     APID..............EEELPFPQLLANVGNEATPVDILASRTNIPVQEVMMQLLELELSGHVVAVSGGYIRKGRG.   369
NTDB id 1152 A1552VC RS00200 WP 000654772.1   AVQS..............DEELPFPELLANVGIEATPIDILASRTQIPVQDIMMQLLELELLGHVVAVPGGYIRKGRG.   371
consensus                                                      *       *!*  ** * * *! ** **    *   *    !**!!! ! ** *  !*!**
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X non conserved
X similar
X $\geq$ 50% conserved