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NTDB id 599 KW2 RS05940 WP 021037268.1      .....MITNFDLFR.WKKAGMTNLGVNKL.........LKFFRKYDRKISLRQMG....QVAQVKSIPNFIEQYKNQDVK   61
NTDB id 407 SMU RS04605 WP 002262865.1      ......MDNFQLFK.LKKAGLTNLNILNI.........IDYEERTQKSLSLRDMA....VVSKNKKPLIFMEHYKNLDSK   60
NTDB id 404988 GOM47 RS04480 WP 235081185.1 ....MKITNYEIYK.LRKAGLTNQQILTV.........LEYDETVDQELLLGDIA....EISRFRNPAVFMERYFQIDDA   62
NTDB id 525 SMSK321 RS06295 WP 000705298.1  ....MKITNYEIYK.LKKSGLTNQQILKV.........LEYGENVDQELLLGDIA....DISGCRNPAVFMERYFQIDDA   62
NTDB id 497 SM12261 RS05565 WP 000705318.1  ....MKITNYEIYK.LKKSGLTNQQVLAV.........LEYGENVDQELLLGDIA....EISGCRNPAVFMERYFQIDDA   62
NTDB id 267 KZH43 RS05590 WP 000705306.1    ....MKITNYEIYK.LKKSGLTNQQILKV.........LEYGENVDQELLLGDIA....DISGCRNPAVFMERYFQIDDA   62
NTDB id 226 SPD RS05990 WP 000705306.1      ....MKITNYEIYK.LKKSGLTNQQILKV.........LEYGENVDQELLLGDIA....DISGCRNPAVFMERYFQIDDA   62
NTDB id 192 SPR RS05715 WP 000705306.1      ....MKITNYEIYK.LKKSGLTNQQILKV.........LEYGENVDQELLLGDIA....DISGCRNPAVFMERYFQIDDA   62
NTDB id 157 SP RS06205 WP 000705306.1       ....MKITNYEIYK.LKKSGLTNQQILKV.........LEYGENVDQELLLGDIA....DISGCRNPAVFMERYFQIDDA   62
NTDB id 1021 ACIAD RS00975 WP 004930462.1   MITILSSHHYHTIKVWYVLQHSLSGFKKLIHY...FGDCETALQPQRLSDWQKLGLHANHLKRLEEVHTLQGQ.QQFEKM   76
NTDB id 1388 A4U84 RS04945 WP 062924099.1   .....MTHLTKLLALLQVPQLGAQRIGRLLSEVDFGEFCQYDKTALKQMGWNER.....QIQRWFNP....EH.KWIDQA   65
NTDB id 1361 HI 0985 AAC22646.1             ....MNDITYTLLRLMQVPKLGGVGIDKILSNITLNELLNYDDVAFRQMGWGAI.....QIRRWFKP....EA.KFIEPA   66
consensus                                        ********** *** **********       ******************     ***   ******************
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NTDB id 599 KW2 RS05940 WP 021037268.1      KLRADYKKFSSFSILDDLYPERLREIYNPPVLIFYQGNIDLLKNPKLAFVGSRLAGQSGIKSVQKIVTELN.QSFTIVSG   140
NTDB id 407 SMU RS04605 WP 002262865.1      ALRKEFNRFPSLSILDKEYPLELKNIYNPPVLLFYQGDLDLLARPKLAVVGSRNASQMGVAAVKKIIQDLS.KQFVIISG   139
NTDB id 404988 GOM47 RS04480 WP 235081185.1 QLEKEFQKFPSFSILDDCYPWDLSEIYDAPALLFYKGNLDLLKFPKVAVVGSRSCSSQGAKSVQRVIQGLG.NELIVVSG   141
NTDB id 525 SMSK321 RS06295 WP 000705298.1  HLEKEFKKIPSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKFPKVAVVGSRSCSKQGAKSVEKIIQGLE.NELVIVSG   141
NTDB id 497 SM12261 RS05565 WP 000705318.1  HLEKEFQKFPSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKFPKVAVVGSRACSKQGAKSVEKVIQGLE.NELVIVSG   141
NTDB id 267 KZH43 RS05590 WP 000705306.1    HLSKEFQKFPSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKFPKVAVVGSRACSKQGAKSVEKVIQGLE.NELVIVSG   141
NTDB id 226 SPD RS05990 WP 000705306.1      HLSKEFQKFPSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKFPKVAVVGSRACSKQGAKSVEKVIQGLE.NELVIVSG   141
NTDB id 192 SPR RS05715 WP 000705306.1      HLSKEFQKFPSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKFPKVAVVGSRACSKQGAKSVEKVIQGLE.NELVIVSG   141
NTDB id 157 SP RS06205 WP 000705306.1       HLSKEFQKFPSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKFPKVAVVGSRACSKQGAKSVEKVIQGLE.NELVIVSG   141
NTDB id 1021 ACIAD RS00975 WP 004930462.1   LAQLQTHTDFIVTPDDPAYPSQLIPYQDRPPILFGQGSIQSLIQPQIAVVGSRKPSPHGRQVAYDFSYFLSEKGFYITSG   156
NTDB id 1388 A4U84 RS04945 WP 062924099.1   LQWAEQDQQQILTLFDEDYPFLLKQISTAPPVLFVRGNVESLSLPQIAIVGSRDYSHYGEHWAGHFSAELVKHQLAVTSG   145
NTDB id 1361 HI 0985 AAC22646.1             LVWSQKEGNHLVNYFSPFYPFLLKQTASFPPLLFVKGNLTALSQRQMAMVGSRYCTTYGEYWAKHFATELSLAGFTITSG   146
consensus                                    * ***************!!**!******!***!**!****!*****!*!!!! ** *!**** *****!  ******!!
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NTDB id 599 KW2 RS05940 WP 021037268.1      LAKGIDTASHLSAIKTKTPTIAVIGTGLDIFYPLENRKIQEYLA.KYQLVLSEYSLGEKPLKYHFPERNRIIAGLSRGVV   219
NTDB id 407 SMU RS04605 WP 002262865.1      LARGIDTAAHLASLKSGGATIAVIGTGLDVHYPKENRRLQDYIA.KNHLLLSEYEAQSQPLKYHFPERNRIIAGLSQGVM   218
NTDB id 404988 GOM47 RS04480 WP 235081185.1 LAKGIDTAAHMAALQNGGRTIAVIGTGLDVFYPRANKRLQEHIG.NHHLVLSEYGPGEEPLKFHFPARNRIIAGLCRGVI   220
NTDB id 525 SMSK321 RS06295 WP 000705298.1  LAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYIS.NDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVI   220
NTDB id 497 SM12261 RS05565 WP 000705318.1  LAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYIG.NDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVI   220
NTDB id 267 KZH43 RS05590 WP 000705306.1    LAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYIG.NDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVI   220
NTDB id 226 SPD RS05990 WP 000705306.1      LAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYIG.NDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVI   220
NTDB id 192 SPR RS05715 WP 000705306.1      LAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYIG.NDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVI   220
NTDB id 157 SP RS06205 WP 000705306.1       LAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYIG.NDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVI   220
NTDB id 1021 ACIAD RS00975 WP 004930462.1   LAHGIDEAAHQGSLV.HHRAIAVVGTGLDLCYPSGNKALKQHIRDQGGAIVSEFLPGTPPLQAHFPRRNRIVSGLSLGVL   235
NTDB id 1388 A4U84 RS04945 WP 062924099.1   LAIGIDGFCHQRAANENGITIAVLGSGLDQVYPARHKKLAEQIVETSGALVSEFFPSQPPIAENFPRRNRIISGLSLGTL   225
NTDB id 1361 HI 0985 AAC22646.1             LALGIDGHCHQAVVNIQGQTIAVLGSGLEQIYPSKHQRLSAQIIENNGALVSEFLPNQAPIAANFPRRNRIISGLSVGTL   226
consensus                                   !!*!!!***!*********!!!*!*!!***!!************ * ****!!******!****!!*!!!!**!!**!**
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NTDB id 599 KW2 RS05940 WP 021037268.1       VVEAKLRSGSLITCERALEEGRDIFAIPGNIADGTSDGCNHLIQQGAKLVYQAQDILEEYLYN.................   282
NTDB id 407 SMU RS04605 WP 002262865.1       VAEAKIRSGSLITCERAMEEGRDVFVVPGNILDGQSEGCHHLIQEGAKCITSGFDILNEFNF.................   280
NTDB id 404988 GOM47 RS04480 WP 235081185.1  VAEARMRSGSLITCERAMEEGRDVFAIPGNILDGHSDGCHHLIQEGAKLVTSGQDVLAEFEF.................   282
NTDB id 525 SMSK321 RS06295 WP 000705298.1   VAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF.................   282
NTDB id 497 SM12261 RS05565 WP 000705318.1   VAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF.................   282
NTDB id 267 KZH43 RS05590 WP 000705306.1     VAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF.................   282
NTDB id 226 SPD RS05990 WP 000705306.1       VAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF.................   282
NTDB id 192 SPR RS05715 WP 000705306.1       VAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF.................   282
NTDB id 157 SP RS06205 WP 000705306.1        VAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF.................   282
NTDB id 1021 ACIAD RS00975 WP 004930462.1    VVEATLKSGSLITANKAAEQGKVVFAIPGHIYSEFHQGCHQLIREGAILVDHPEQIIEDLALPTHWHSQSTASGEANADD   315
NTDB id 1388 A4U84 RS04945 WP 062924099.1     VIEATVNSGSLITARYALEQGREVFALPNSVQNPYSEGCHKLIKEGALLVENVEDILEAIA....WQRQSVHIQPSL.FD   300
NTDB id 1361 HI 0985 AAC22646.1              VVEATEKSGSLITARYALEQNREVFAVPGNIQNKSSQGCHRLIKQGAMLVENAKDILETLY....QHS..IHSQTEIDFD   300
consensus                                    !*!!***!!!!!!***!*!*****!**!******  **!!**!!**!!**************
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NTDB id 599 KW2 RS05940 WP 021037268.1       ..........................................................................................   282
NTDB id 407 SMU RS04605 WP 002262865.1       ..........................................................................................   280
NTDB id 404988 GOM47 RS04480 WP 235081185.1  ..........................................................................................   282
NTDB id 525 SMSK321 RS06295 WP 000705298.1   ..........................................................................................   282
NTDB id 497 SM12261 RS05565 WP 000705318.1   ..........................................................................................   282
NTDB id 267 KZH43 RS05590 WP 000705306.1     ..........................................................................................   282
NTDB id 226 SPD RS05990 WP 000705306.1       ..........................................................................................   282
NTDB id 192 SPR RS05715 WP 000705306.1       ..........................................................................................   282
NTDB id 157 SP RS06205 WP 000705306.1        ..........................................................................................   282
NTDB id 1021 ACIAD RS00975 WP 004930462.1    S.G.....KTDDA....DL...PDDLLPLYQLLDWQGQDLDQLAQHYQGSTAELTAQLMELELLGVCIQQSGRYLRCRSP   382
NTDB id 1388 A4U84 RS04945 WP 062924099.1     TKP..KQAVKSEPKFAKNLPELTACQQQLFEQISLEPISVDDLAKATDMAVETALIELLNLELLGVVKQVRGGYVIT...   375
NTDB id 1361 HI 0985 AAC22646.1              QIAVPNYTPPPDPR...RL.VEAPSHPKLYSRIGYTPVSIDDLAEEFNLSVDVLLVQLLDLELQDLIISENGLYKRV...   373
consensus
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NTDB id 599 KW2 RS05940 WP 021037268.1       .   282
NTDB id 407 SMU RS04605 WP 002262865.1       .   280
NTDB id 404988 GOM47 RS04480 WP 235081185.1  .   282
NTDB id 525 SMSK321 RS06295 WP 000705298.1   .   282
NTDB id 497 SM12261 RS05565 WP 000705318.1   .   282
NTDB id 267 KZH43 RS05590 WP 000705306.1     .   282
NTDB id 226 SPD RS05990 WP 000705306.1       .   282
NTDB id 192 SPR RS05715 WP 000705306.1       .   282
NTDB id 157 SP RS06205 WP 000705306.1        .   282
NTDB id 1021 ACIAD RS00975 WP 004930462.1    Y   383
NTDB id 1388 A4U84 RS04945 WP 062924099.1     .   375
NTDB id 1361 HI 0985 AAC22646.1              .   373
consensus
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X non conserved
X similar
X ≥ 50% conserved