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logo
NTDB id 1361 HI 0985 AAC22646.1          ..............MNDITYTLLRLMQVPKLGG...VGIDKILSNITLN....ELLNYDDVAFRQMGWGAIQIRRWF.KPEAKFI   63
NTDB id 114 BSU 16110 NP 389493.1        MDQAAVCLTICRINQLLSPSLLLKWWKADPSMS.................LTSPVLQTVTRDQIKAAALKNEIEQFYPKLPR..V   66
NTDB id 626 LCA RS04960 WP 011374694.1   ..............MLTKNQLLLKVHLAAGFGTISELRLAAWLSTSHNWAL.......SALEIAQI...ARLPERYWPTFQASFQ   61
NTDB id 1250 GCO85 RS13065 WP 027219989.1 ................MNNLQPL.LAL.NRMKR...IGPRTVLKLQKRWPDLNLMFQLSSVDLEEAGLPSWLAQTIK.NFDPDFI   63
NTDB id 93738 LLID5 RS06160 WP 012897825.1 ...............MITNFDLYRWKK.AGMTN...LGVNKLLKFFHRYDKKISLRQMGQ..VAQLKSIPNFIEQYK.NQDVSKL   63
NTDB id 599 KW2 RS05940 WP 021037268.1   ...............MITNFDLFRWKK.AGMTN...LGVNKLLKFFRKYDRKISLRQMGQ..VAQVKSIPNFIEQYK.NQDVKKL   63
NTDB id 407 SMU RS04605 WP 002262865.1   ................MDNFQLFKLKK.AGLTN...LNILNIIDYEERTQKSLSLRDMAV..VSKNKKPLIFMEHYK.NLDSKAL   62
NTDB id 525 SMSK321 RS06295 WP 000705298.1 ..............MKITNYEIYKLKK.SGLTN...QQILKVLEYGENVDQELLLGDIAD..ISGCRNPAVFMERYF.QIDDAHL   64
NTDB id 267 KZH43 RS05590 WP 000705306.1 ..............MKITNYEIYKLKK.SGLTN...QQILKVLEYGENVDQELLLGDIAD..ISGCRNPAVFMERYF.QIDDAHL   64
NTDB id 226 SPD RS05990 WP 000705306.1   ..............MKITNYEIYKLKK.SGLTN...QQILKVLEYGENVDQELLLGDIAD..ISGCRNPAVFMERYF.QIDDAHL   64
NTDB id 192 SPR RS05715 WP 000705306.1   ..............MKITNYEIYKLKK.SGLTN...QQILKVLEYGENVDQELLLGDIAD..ISGCRNPAVFMERYF.QIDDAHL   64
NTDB id 157 SP RS06205 WP 000705306.1    ..............MKITNYEIYKLKK.SGLTN...QQILKVLEYGENVDQELLLGDIAD..ISGCRNPAVFMERYF.QIDDAHL   64
NTDB id 497 SM12261 RS05565 WP 000705318.1 ..............MKITNYEIYKLKK.SGLTN...QQVLAVLEYGENVDQELLLGDIAE..ISGCRNPAVFMERYF.QIDDAHL   64
consensus                                 * ***********  ****     * *** *    *  * *  **   *   * ********* ***   *

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NTDB id 1361 HI 0985 AAC22646.1          EPALV...WSQKEGNHLVNYFSPFYPFLLKQTASFPPLLFVKGNLTALS.QRQMAMVGSRYCTTYGEYWAKHFATELSLAGFTIT   144
NTDB id 114 BSU 16110 NP 389493.1        LAAYRE......QGINTIPISSKQYPFWLKSIYDPPAVLFAKGDMTLLSKGRKIGIVGTRNPTAYGKQVVNHLTKEICRKGWVIV   145
NTDB id 626 LCA RS04960 WP 011374694.1   STTLQRQCIDHEVRTTYLTILDKDYPQRLLETYLPPVLLFYRGDLRLLK.QPCLAVVGARQATHYSKQSLEQLLQGLT..ATTII   143
NTDB id 1250 GCO85 RS13065 WP 027219989.1 KTDLN..WLSSSENHHILTWDSPYYPALLKEIADPPFILYAKGELSALT.QPSLAIVGSRNASVTGNENARAFSREISRHGVSIV   145
NTDB id 93738 LLID5 RS06160 WP 012897825.1 REEYK..IY......PSFSLLDEIYPERLKEIYNPPVLLFYQGDIRLLK.TPKLAFVGSRQASSQGIKAVQKIVTELN.QNFTIV   138
NTDB id 599 KW2 RS05940 WP 021037268.1   RADYK..KF......SSFSILDDLYPERLREIYNPPVLIFYQGNIDLLK.NPKLAFVGSRLAGQSGIKSVQKIVTELN.QSFTIV   138
NTDB id 407 SMU RS04605 WP 002262865.1   RKEFN..RF......PSLSILDKEYPLELKNIYNPPVLLFYQGDLDLLA.RPKLAVVGSRNASQMGVAAVKKIIQDLS.KQFVII   137
NTDB id 525 SMSK321 RS06295 WP 000705298.1 EKEFK..KI......PSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLK.FPKVAVVGSRSCSKQGAKSVEKIIQGLE.NELVIV   139
NTDB id 267 KZH43 RS05590 WP 000705306.1 SKEFQ..KF......PSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLK.FPKVAVVGSRACSKQGAKSVEKVIQGLE.NELVIV   139
NTDB id 226 SPD RS05990 WP 000705306.1   SKEFQ..KF......PSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLK.FPKVAVVGSRACSKQGAKSVEKVIQGLE.NELVIV   139
NTDB id 192 SPR RS05715 WP 000705306.1   SKEFQ..KF......PSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLK.FPKVAVVGSRACSKQGAKSVEKVIQGLE.NELVIV   139
NTDB id 157 SP RS06205 WP 000705306.1    SKEFQ..KF......PSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLK.FPKVAVVGSRACSKQGAKSVEKVIQGLE.NELVIV   139
NTDB id 497 SM12261 RS05565 WP 000705318.1 EKEFQ..KF......PSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLK.FPKVAVVGSRACSKQGAKSVEKVIQGLE.NELVIV   139
consensus                                  ***  **      ******** !!* ! **** !******!****!*  *****!!*!  *  * *** **** *  *  *!*

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NTDB id 1361 HI 0985 AAC22646.1          SGLALGIDGHCHQAVVNIQGQTIAVLGSGLEQIYPSKHQRLSAQIIENNGALVSEFLPNQAPIAANFPRRNRIISGLSVGTLVVE   229
NTDB id 114 BSU 16110 NP 389493.1        SGLASGIDGMSHAASIKAKGRTIGVIAGGFQHIYPRENLQLADH.MAKHHILLSEHPPETKPQKWHFPMRNRIISGLSEGVIVVQ   229
NTDB id 626 LCA RS04960 WP 011374694.1   SGLAQGADAMAHEVALQRGLAPIGVIGTGINCSYPPQNEHLQQV.VAEKGLLLSEYALGTPARRYQFPARNKIIAGLCHSLIVTE   227
NTDB id 1250 GCO85 RS13065 WP 027219989.1 SGLALGIDAHAHLGCLEGGGKTIAVLGTGIDCIYPRRHLKLAEQ.ITENGLLLSEFPLKSPPIAGHFPLRNRIISGLSLCILVIE   229
NTDB id 93738 LLID5 RS06160 WP 012897825.1 SGLAKGIDTASHLSAIKNKIPTIAVIGTGLDIFYPLENRKIQEY.LAKNQLILSEYSVGEKPLRYHFPERNRIIAGLSHGVVVIE   222
NTDB id 599 KW2 RS05940 WP 021037268.1   SGLAKGIDTASHLSAIKTKTPTIAVIGTGLDIFYPLENRKIQEY.LAKYQLVLSEYSLGEKPLKYHFPERNRIIAGLSRGVVVVE   222
NTDB id 407 SMU RS04605 WP 002262865.1   SGLARGIDTAAHLASLKSGGATIAVIGTGLDVHYPKENRRLQDY.IAKNHLLLSEYEAQSQPLKYHFPERNRIIAGLSQGVMVAE   221
NTDB id 525 SMSK321 RS06295 WP 000705298.1 SGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDY.ISNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAE   223
NTDB id 267 KZH43 RS05590 WP 000705306.1 SGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDY.IGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAE   223
NTDB id 226 SPD RS05990 WP 000705306.1   SGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDY.IGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAE   223
NTDB id 192 SPR RS05715 WP 000705306.1   SGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDY.IGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAE   223
NTDB id 157 SP RS06205 WP 000705306.1    SGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDY.IGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAE   223
NTDB id 497 SM12261 RS05565 WP 000705318.1 SGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDY.IGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAE   223
consensus                                  !!!!*!*!***!***** ****!*!***!****!!* ******* **  ****!!* *** *****!! !!*!!*!!  ***! *
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NTDB id 1361 HI 0985 AAC22646.1          ATEKSGSLITARYALEQNREVFAVPGNIQNKSSQGCHRLIKQGAMLVENAKDILETLYQHSIHSQTEIDFDQIAVPNYTPPPDPR   314
NTDB id 114 BSU 16110 NP 389493.1        GKEKSGSLITAYQALEQGREVFAVPGSLFDPYAGGPIKLIQQGAKAIWSAEDIFEELPERNVQYTEPF.................   297
NTDB id 626 LCA RS04960 WP 011374694.1   ARHKSGSLITANLALQANRNVYAIPGRIDQSLSQGCNQLIAAGATPLLDKNILIEELRYFD........................   288
NTDB id 1250 GCO85 RS13065 WP 027219989.1 AAIKSGSLITARMALEQNRDVLAIPGSIHNPLARGCHYLLQQGAKLVTSVADVLDELKIEHHQFTSNK.......PI........   299
NTDB id 93738 LLID5 RS06160 WP 012897825.1 AKLRSGSLITCERALEEGRDIFAVPGNIADGFSDGCNHLIQQGAKLIYQAQDILEEYLYD..........................   282
NTDB id 599 KW2 RS05940 WP 021037268.1   AKLRSGSLITCERALEEGRDIFAIPGNIADGTSDGCNHLIQQGAKLVYQAQDILEEYLYN..........................   282
NTDB id 407 SMU RS04605 WP 002262865.1   AKIRSGSLITCERAMEEGRDVFVVPGNILDGQSEGCHHLIQEGAKCITSGFDILNEFNF...........................   280
NTDB id 525 SMSK321 RS06295 WP 000705298.1 AKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF..........................   282
NTDB id 267 KZH43 RS05590 WP 000705306.1 AKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF..........................   282
NTDB id 226 SPD RS05990 WP 000705306.1   AKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF..........................   282
NTDB id 192 SPR RS05715 WP 000705306.1   AKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF..........................   282
NTDB id 157 SP RS06205 WP 000705306.1    AKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF..........................   282
NTDB id 497 SM12261 RS05565 WP 000705318.1 AKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF..........................   282
consensus                                ****!!!!!!***!****!*****!!** *****!***!** !!********** ** *
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NTDB id 1361 HI 0985 AAC22646.1          RLVEAPSHPKLYSRIGYTPVSIDDLAEEFNLSVDVLLVQLLDLELQDLIISENGLYKRV....   373
NTDB id 114 BSU 16110 NP 389493.1        ..............................................................   297
NTDB id 626 LCA RS04960 WP 011374694.1   ..............................................................   288
NTDB id 1250 GCO85 RS13065 WP 027219989.1 .FSLASGKENLVKFIGFETTTIDQIIDRSGYGMEQVTSGLAELELKGAVIAVPGGYIRCEYER   361
NTDB id 93738 LLID5 RS06160 WP 012897825.1 ..............................................................   282
NTDB id 599 KW2 RS05940 WP 021037268.1   ..............................................................   282
NTDB id 407 SMU RS04605 WP 002262865.1   ..............................................................   280
NTDB id 525 SMSK321 RS06295 WP 000705298.1 ..............................................................   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 497 SM12261 RS05565 WP 000705318.1 ..............................................................   282
consensus
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X non conserved
X similar
X ≥ 50% conserved