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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1361 HI 0985 AAC22646.1          ..............MNDITYTLLRLMQVPKLGGVGIDKILSNITLNELLNYDDVAFRQMGWGAIQIRR...WFKP.....EAKFI   63
NTDB id 1250 GCO85 RS13065 WP 027219989.1 ..............MNNL.QPLLALNRMKRIGPRTVLKLQ.KRWPDLNLMF...QLSSVDLEEAGLPS...WLAQTIKNFDPDFI   63
NTDB id 1399 DSB67 RS15600 WP 010645755.1 .........MTPQNDIDL.AAWLKLSCLPGIGGVKMNKLLSKDTPSNIVQYSTEQLQLLGLTAKQLQA...WSQV......DKEV   66
NTDB id 114 BSU 16110 NP 389493.1        MDQAAVCLTICRINQLLSPSLLL...KWWKADPS.......MSLTSPVLQTVTR.......DQIKAA....ALKNEIEQFYPKLP   64
NTDB id 47695 LLH RS06275 WP 014572602.1 ................MIINFDLF...RWKKAGMT.......NLGVNKLLKFFHKYDIKISLRQMGQVAQVKSIPNFIEQYK.NQD   59
NTDB id 599 KW2 RS05940 WP 021037268.1   ................MITNFDLF...RWKKAGMT.......NLGVNKLLKFFRKYDRKISLRQMGQVAQVKSIPNFIEQYK.NQD   59
NTDB id 407 SMU RS04605 WP 002262865.1   ...................MDNFQLF...KLKKAGLT.......NLNILNIIDYEERTQKSLSLRDMAVVSKNKKPLIFMEHYK.NLD   58
NTDB id 525 SMSK321 RS06295 WP 000705298.1 ..............MKITNYEIY...KLKKSGLT.......NQQILKVLEYGENVDQELLLGDIADISGCRNPAVFMERYF.QID   60
NTDB id 267 KZH43 RS05590 WP 000705306.1 ..............MKITNYEIY...KLKKSGLT.......NQQILKVLEYGENVDQELLLGDIADISGCRNPAVFMERYF.QID   60
NTDB id 226 SPD RS05990 WP 000705306.1   ..............MKITNYEIY...KLKKSGLT.......NQQILKVLEYGENVDQELLLGDIADISGCRNPAVFMERYF.QID   60
NTDB id 192 SPR RS05715 WP 000705306.1   ..............MKITNYEIY...KLKKSGLT.......NQQILKVLEYGENVDQELLLGDIADISGCRNPAVFMERYF.QID   60
NTDB id 157 SP RS06205 WP 000705306.1    ..............MKITNYEIY...KLKKSGLT.......NQQILKVLEYGENVDQELLLGDIADISGCRNPAVFMERYF.QID   60
NTDB id 497 SM12261 RS05565 WP 000705318.1 ..............MKITNYEIY...KLKKSGLT.......NQQVLAVLEYGENVDQELLLGDIAEISGCRNPAVFMERYF.QID   60
consensus                                 * *******   **** ***       *  *  ** * *  *  * * *** **  *   **** *  ***

logo

NTDB id 1361 HI 0985 AAC22646.1          EPALVWSQK.EGNHLVNYFSPFYPFLLKQTASFPPLLFVKGNLTALSQ.RQMAMVGSRYCTTYGEYWAKHFATELSLAGFTITSG  146
NTDB id 1250 GCO85 RS13065 WP 027219989.1 KTDLNWLSSSENHHILTWDSPYYPALLKEIADPPFILYAKGELSALTQ.PSLAIVGSRNASVTGNENARAFSREISRHGVSIVSG  147
NTDB id 1399 DSB67 RS15600 WP 010645755.1 DACLTWVAASSHHHILTLADALYPPLLKQTVAPPPLLFVKGEASCLPQ.PQIAMVGSRNASVDGLQHTRTFASDLVQHDLIVTSG  150
NTDB id 114 BSU 16110 NP 389493.1        RVLAA..YREQGINTIPISSKQYPFWLKSIYDPPAVLFAKGDMTLLSKGRKIGIVGTRNPTAYGKQVVNHLTKEICRKGWVIVSG  147
NTDB id 47695 LLH RS06275 WP 014572602.1 VKKLR..IDYKKFSSFSILDDLYPERLREIYNPPVLIFYQGNIDLLKN.PKLAFVGSRLAGQSGIKAVQKIITEL.NQSFTIVSG  140
NTDB id 599 KW2 RS05940 WP 021037268.1   VKKLR..ADYKKFSSFSILDDLYPERLREIYNPPVLIFYQGNIDLLKN.PKLAFVGSRLAGQSGIKSVQKIVTEL.NQSFTIVSG  140
NTDB id 407 SMU RS04605 WP 002262865.1   SKALR..KEFNRFPSLSILDKEYPLELKNIYNPPVLLFYQGDLDLLAR.PKLAVVGSRNASQMGVAAVKKIIQDL.SKQFVIISG  139
NTDB id 525 SMSK321 RS06295 WP 000705298.1 DAHLE..KEFKKIPSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRSCSKQGAKSVEKIIQGL.ENELVIVSG  141
NTDB id 267 KZH43 RS05590 WP 000705306.1 DAHLS..KEFQKFPSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAKSVEKVIQGL.ENELVIVSG  141
NTDB id 226 SPD RS05990 WP 000705306.1   DAHLS..KEFQKFPSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAKSVEKVIQGL.ENELVIVSG  141
NTDB id 192 SPR RS05715 WP 000705306.1   DAHLS..KEFQKFPSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAKSVEKVIQGL.ENELVIVSG  141
NTDB id 157 SP RS06205 WP 000705306.1    DAHLS..KEFQKFPSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAKSVEKVIQGL.ENELVIVSG  141
NTDB id 497 SM12261 RS05565 WP 000705318.1 DAHLE..KEFQKFPSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAKSVEKVIQGL.ENELVIVSG  141
consensus                                *  *    ** ** ******* !!* ! **** !******!****!*  *****!!*!  *  ! * * ***  *  * ****!!

logo

NTDB id 1361 HI 0985 AAC22646.1          LALGIDGHCHQAVVNIQGQTIAVLGSGLEQIYPSKHQRLSAQIIENNGALVSEFLPNQAPIAANFPRRNRIISGLSVGTLVVEAT  231
NTDB id 1250 GCO85 RS13065 WP 027219989.1 LALGIDAHAHLGCLEGGGKTIAVLGTGIDCIYPRRHLKLAEQI.TENGLLLSEFPLKSPPIAGHFPLRNRIISGLSLCILVIEAA  231
NTDB id 1399 DSB67 RS15600 WP 010645755.1 LALGIDGHAHDGALLAGGKTIAVLGSGLEQVYPARHRGLAQRV.AENGALVSEFRPDAKPRAENFPRRNRIISGLSLGVLVVEAA  234
NTDB id 114 BSU 16110 NP 389493.1        LASGIDGMSHAASIKAKGRTIGVIAGGFQHIYPRENLQLADHM.AKHHILLSEHPPETKPQKWHFPMRNRIISGLSEGVIVVQGK  231
NTDB id 47695 LLH RS06275 WP 014572602.1 LAKGIDTASHLSAIKTKTPTIAVIGTGLDIFYPLENRKIQEYL.AKNQLVLSEYSLGEKPLKYHFPERNRIIAGLSRGVVVEEK  224
NTDB id 599 KW2 RS05940 WP 021037268.1   LAKGIDTASHLSAIKTKTPTIAVIGTGLDIFYPLENRKIQEYL.AKYQLVLSEYSLGEKPLKYHFPERNRIIAGLSRGVVVEAK  224
NTDB id 407 SMU RS04605 WP 002262865.1   LARGIDTAAHLASLKSGGATIAVIGTGLDVHYPKENRRLQDYI.AKNHLLLSEYEAQSQPLKYHFPERNRIIAGLSQGVMVAEAK  223
NTDB id 525 SMSK321 RS06295 WP 000705298.1 LAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYI.SNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAK  225
NTDB id 267 KZH43 RS05590 WP 000705306.1 LAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYI.GNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAK  225
NTDB id 226 SPD RS05990 WP 000705306.1   LAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYI.GNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAK  225
NTDB id 192 SPR RS05715 WP 000705306.1   LAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYI.GNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAK  225
NTDB id 157 SP RS06205 WP 000705306.1    LAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYI.GNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAK  225
NTDB id 497 SM12261 RS05565 WP 000705318.1 LAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYI.GNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAK  225
consensus                                !!*!!!***!****  **!!*!***!****!!* ******** *  ****!!* *** !****!! !!!!!*!! ****! ***
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logo
                                                  MRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDYLAEEEF
NTDB id 1361 HI 0985 AAC22646.1                   EKSGSLITARYALEQNREVFAVPGNIQNKSSQGCHRLIKQGAMLVENAKDILETLYQHSIHSQTEIDFDQIAVPNYTPPPDPRRL   316
NTDB id 1250 GCO85 RS13065 WP 027219989.1         IKSGSLITARMALEQNRDVLAIPGSIHNPLARGCHYLLQQGAKLVTSVADVLDELKIEHH......QFTS.NKPIFSLASG....   305
NTDB id 1399 DSB67 RS15600 WP 010645755.1         EKSGSLITARYALEQGREVFALPASINAPNASGGNQLIQNGACLVQNTQEVLNEIQSLLDW.....SINQ.SLDLFSAPIDE...   310
NTDB id 114 BSU 16110 NP 389493.1                 EKSGSLITAYQALEQGREVFAVPGSLFDPYAGGPIKLIQQGAKAIWSAEDIFEELPERNVQYTEPF...................   297
NTDB id 47695 LLH RS06275 WP 014572602.1          LRSGSLITCERALEEGRDIFAIPGNIADGTSDGCNHLIQQGAKLVYQAQDILEEYLYN..........................   282
NTDB id 599 KW2 RS05940 WP 021037268.1            LRSGSLITCERALEEGRDIFAIPGNIADGTSDGCNHLIQQGAKLVYQAQDILEEYLYN..........................   282
NTDB id 407 SMU RS04605 WP 002262865.1            IRSGSLITCERAMEEGRDVFVVPGNILDGQSEGCHHLIQEGAKCITSGFDILNEFNF...........................   280
NTDB id 525 SMSK321 RS06295 WP 000705298.1        MRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF...........................   282
NTDB id 267 KZH43 RS05590 WP 000705306.1          MRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF...........................   282
NTDB id 226 SPD RS05990 WP 000705306.1            MRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF...........................   282
NTDB id 192 SPR RS05715 WP 000705306.1            MRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF...........................   282
NTDB id 157 SP RS06205 WP 000705306.1             MRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF...........................   282
NTDB id 497 SM12261 RS05565 WP 000705318.1        MRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF...........................   282
consensus                                         **!!!!!!***!*!**!*****!*** ** **!***!** !!********** ** *
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logo
                                                  VEEFSPPRLYSRIGYTPVSIDDLAEEFNLSVDVLLVQLLDLELQDLIISENGLYKRV
NTDB id 1361 HI 0985 AAC22646.1                   VEAPSHPKLYSRIGYTPVSIDDLAEEFNLSVDVLLVQLLDLELQDLIISENGLYKRV....   373
NTDB id 1250 GCO85 RS13065 WP 027219989.1         .....KENLVKFIGFETTTIDQIIDRSGYGMEQVTSGLAELELKGAVIAVPGGYIRCEYER   361
NTDB id 1399 DSB67 RS15600 WP 010645755.1         .EELPFPQLLANVGNEATPVDILASRTNIPVQEVMMQLLELELSGHVVAVSGGYIRKGRG.   369
NTDB id 114 BSU 16110 NP 389493.1                 ............................................................   297
NTDB id 47695 LLH RS06275 WP 014572602.1          ............................................................   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