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logo
NTDB id 1250 GCO85 RS13065 WP 027219989.1   ............MNNLQPLLALNRMKRIGPRT.....VLKLQKRWPDLNLMFQLSSVDLEEAGLPSWLAQTIKNFDPDFIKTDLN   68
NTDB id 114 BSU 16110 NP 389493.1           MDQAAVCLTICRINQLLSPSLLLKWWKADPSMSLTSPVLQTVT.......RDQIKA..AALK...NEIEQFYPKLPRVLAAYREQ   73
NTDB id 599 KW2 RS05940 WP 021037268.1      ...............MITNFDLFRWKKAGMTNLGVNKLLKFFRKYDRKISLRQMGQV.AQVKSIPNFIEQY.KNQDVKKLRADYK   68
NTDB id 525 SMSK321 RS06295 WP 000705298.1  ...............MKITNYEIYKLKKSGLTNQQILKVLEYGENVDQELLLGDIADI.SGCRNPAVFMERY.FQIDDAHLEKEFK   69
NTDB id 267 KZH43 RS05590 WP 000705306.1    ...............MKITNYEIYKLKKSGLTNQQILKVLEYGENVDQELLLGDIADI.SGCRNPAVFMERY.FQIDDAHLSKEFQ   69
NTDB id 226 SPD RS05990 WP 000705306.1      ...............MKITNYEIYKLKKSGLTNQQILKVLEYGENVDQELLLGDIADI.SGCRNPAVFMERY.FQIDDAHLSKEFQ   69
NTDB id 192 SPR RS05715 WP 000705306.1      ...............MKITNYEIYKLKKSGLTNQQILKVLEYGENVDQELLLGDIADI.SGCRNPAVFMERY.FQIDDAHLSKEFQ   69
NTDB id 157 SP RS06205 WP 000705306.1       ...............MKITNYEIYKLKKSGLTNQQILKVLEYGENVDQELLLGDIADI.SGCRNPAVFMERY.FQIDDAHLSKEFQ   69
NTDB id 497 SM12261 RS05565 WP 000705318.1  ...............MKITNYEIYKLKKSGLTNQQVLAVLEYGENVDQELLLGDIAEI.SGCRNPAVFMERY.FQIDDAHLEKEFQ   69
NTDB id 62451 YB51 RS05135 WP 009909860.1   ................MNNFELFKWKKAGLTNLNVNKVLAYQEKHGKKLTLRNVAVV.SECKNPVLFMENY.KNLDTKACREEFN   67
NTDB id 407 SMU RS04605 WP 002262865.1      ................MDNFQLFKLKKAGLTNLNILNIIDYEERTQKSLSLRDMAVV.SKNKKPLIFMEHY.KNLDSKALRKEFN   67
consensus                                   ************************************** ************* ******** ****

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NTDB id 1250 GCO85 RS13065 WP 027219989.1   WLSSSENHHILTWDSPYYPALLKEIADPPFILYAKGELSALTQ.PSLAIVGSRNASVTGNENARAFSREISRHGVSIVSGLALGI   152
NTDB id 114 BSU 16110 NP 389493.1           G......INTIPISSKQYPFWLKSIYDPPAVLFAKGDMTLLSKGRKIGIVGTRNPTAYGKQVVNHLTKEICRKGWVIVSGLASGI   152
NTDB id 599 KW2 RS05940 WP 021037268.1      K......FSSFSILDDLYPERLREIYNPPVLIFYQGNIDLLKN.PKLAFVGSRLAGQSGIKSVQKIVTEL.NQSFTIVSGLAKGI   145
NTDB id 525 SMSK321 RS06295 WP 000705298.1  K......IPSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRSCSKQGAKSVEKIIQGL.ENELVIVSGLAKGI   146
NTDB id 267 KZH43 RS05590 WP 000705306.1    K......FPSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAKSVEKVIQGL.ENELVIVSGLAKGI   146
NTDB id 226 SPD RS05990 WP 000705306.1      K......FPSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAKSVEKVIQGL.ENELVIVSGLAKGI   146
NTDB id 192 SPR RS05715 WP 000705306.1      K......FPSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAKSVEKVIQGL.ENELVIVSGLAKGI   146
NTDB id 157 SP RS06205 WP 000705306.1       K......FPSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAKSVEKVIQGL.ENELVIVSGLAKGI   146
NTDB id 497 SM12261 RS05565 WP 000705318.1  K......FPSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAKSVEKVIQGL.ENELVIVSGLAKGI   146
NTDB id 62451 YB51 RS05135 WP 009909860.1   K......YPSFSILDDIYPLALKQIYNPPVLLFYQGDLELLEK.SKLAVVGTRNASKNGVQSVQKIIKEL.NNRFVIVSGLARGI   144
NTDB id 407 SMU RS04605 WP 002262865.1      R......FPSLSILDKEYPLELKNIYNPPVLLFYQGDLDLLAR.PKLAVVGSRNASQMGVAAVKKIIQDL.SKGFVIISGLARGI   144
consensus                                   *      **********!!**!**!***!******!****!** *****!!*! ****!*********** *****!*!!!!*!!

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NTDB id 1250 GCO85 RS13065 WP 027219989.1   DAHAHLGCLEGGGKTIAVLGTGIDCIYPRRHLKLAEQITENGLLLSEFPLKSPPIAGHFPLRNRIISGLSLCILVIEAAIKSGSL   237
NTDB id 114 BSU 16110 NP 389493.1           DGMSHAASIKAKGRTIGVIAGGFQHIYPRENLQLADHMAKHHILLSEHPPETKPQKWHFPMRNRIISGLSEGVIVVQGKEKSGSL   237
NTDB id 599 KW2 RS05940 WP 021037268.1      DTASHLSAIKTKTPTIAVIGTGLDIFYPLENRKIQEYLAKYQLVLSEYSLGEKPLKYHFPERNRIIAGLSRGVVVVEAKLRSGSL   230
NTDB id 525 SMSK321 RS06295 WP 000705298.1  DTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYISNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRSGSL   231
NTDB id 267 KZH43 RS05590 WP 000705306.1    DTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYIGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRSGSL   231
NTDB id 226 SPD RS05990 WP 000705306.1      DTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYIGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRSGSL   231
NTDB id 192 SPR RS05715 WP 000705306.1      DTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYIGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRSGSL   231
NTDB id 157 SP RS06205 WP 000705306.1       DTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYIGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRSGSL   231
NTDB id 497 SM12261 RS05565 WP 000705318.1  DTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYIGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRSGSL   231
NTDB id 62451 YB51 RS05135 WP 009909860.1   DTAAHIASLKNGGQTIAVIGTGLDKIYPKENRELQTYIGKHHLVLTEYGPGTDPLKYHFPERNRIIAGLVEGLVVCEAKMRSGSL   229
NTDB id 407 SMU RS04605 WP 002262865.1      DTAAHLASLKSGGATIAVIGTGLDVHYPKENRRLQDYIAKNHLLLSEYEAQSQPLKYHFPERNRIIAGLSQGVMVAEAKIRSGSL   229
consensus                                   !***!*********!!*!***!****!!****************!*!******!***!!!*!!!!!*!!*****!******!!!!
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logo

NTDB id 1250 GCO85 RS13065 WP 027219989.1   ITARMALEQNRDVLAIPGSIHNPLARGCHYLLQQGAKLVTSVADVLDELKIEHHQFTSNKPIFSLASGKENLVKFIGFETTTIDQ   322
NTDB id 114 BSU 16110 NP 389493.1           ITAYQALEQGREVFAVPGSLFDPYAGGPIKLIQQGAKAIWSAEDIFEELPERNVQYTEPF.......................   297
NTDB id 599 KW2 RS05940 WP 021037268.1      ITCERALEEGRDIFAIPGNIADGTSDGCNHLIQQGAKLVYQAQDILEEYLYN..............................   282
NTDB id 525 SMSK321 RS06295 WP 000705298.1  ITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF...............................   282
NTDB id 267 KZH43 RS05590 WP 000705306.1    ITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF...............................   282
NTDB id 226 SPD RS05990 WP 000705306.1      ITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF...............................   282
NTDB id 192 SPR RS05715 WP 000705306.1      ITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF...............................   282
NTDB id 157 SP RS06205 WP 000705306.1       ITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF...............................   282
NTDB id 497 SM12261 RS05565 WP 000705318.1  ITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF...............................   282
NTDB id 62451 YB51 RS05135 WP 009909860.1   ITCERALEEGREVYAIPGSIMDGKSDGCHHLIQEGAKCVTSGLDIISEYQF...............................   280
NTDB id 407 SMU RS04605 WP 002262865.1      ITCERAMEEGRDVFVVPGNILDGQSEGCHHLIQEGAKCITSGFDILNEFNF...............................   280
consensus                                   !!***!*!**!*****!!********!***!*!*!!!******!***!***

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NTDB id 1250 GCO85 RS13065 WP 027219989.1   IIDRSGYGMEQVTSGLAELELKGAVIAVPGGYIRCEYER   361
NTDB id 114 BSU 16110 NP 389493.1           ........................................   297
NTDB id 599 KW2 RS05940 WP 021037268.1      ........................................   282
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
NTDB id 62451 YB51 RS05135 WP 009909860.1   ........................................   280
NTDB id 407 SMU RS04605 WP 002262865.1      ........................................   280
consensus
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X non conserved

X similar

X $\geq$ 50% conserved