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logo
NTDB id 25 SA RS06185 WP 000593194.1          ...........MIKLF.....LLKLYWAHFSTKQIHQFLMAYPNVIKEEGRKKDSYLCEWVNREEN.VLLLRKYYAFIKL   63
NTDB id 40 MW RS06080 WP 000593192.1          ...........MIKLF.....LLKLYWAHFSTKQIHQFLMAYPNVIKEEGRKKDSYLCEWVNREEN.VHLLRKYYAFIKL   63
NTDB id 114 BSU 16110 NP 389493.1             MDQAAVCLTICRINQLLSPSLLLKWWKADPSMSLTSPVL.............................QTV...TRDQI   47
NTDB id 1250 GC085 RS13065 WP 027219989.1     ............MNNLQPLLALNRMKRIGP.....RTVL.KLQKRWPDLNLMFQLSSV.DLEEAGLPSWLAQ...TIKNF   58
NTDB id 599 KW2 RS05940 WP 021037268.1        ............MITNFD....LFRWKKAGMTNLGVNKLL.KFFRKYDRKISLRQM..G.QVAQVKSIPNFIE...QYKNQ   58
NTDB id 407 SMU RS04605 WP 002262865.1        ............MDNFQ....LFKLKKAGLTNLNILNII.DYEERTQKSLSLRDM..A.VVSKNKKPLIFME...HYKNL   57
NTDB id 156783 SanJ4206 RS04765 WP 003042009.1 ............MDNFD....IYKLKKAGLTNQQVINVL.SYAEIQDKELSVKDM..A.VVSECRNPALFIE...KYLQL   57
NTDB id 525 SMSK321 RS06295 WP 000705298.1    ..........MKITNYE....IYKLKKSGLTNQQILKVL.EYGENVDQELLLGDI..A.DISGCRNPAVFME...RYFQI   59
NTDB id 267 KZH43 RS05590 WP 000705306.1      ..........MKITNYE....IYKLKKSGLTNQQILKVL.EYGENVDQELLLGDI..A.DISGCRNPAVFME...RYFQI   59
NTDB id 226 SPD RS05990 WP 000705306.1        ..........MKITNYE....IYKLKKSGLTNQQILKVL.EYGENVDQELLLGDI..A.DISGCRNPAVFME...RYFQI   59
NTDB id 192 SPR RS05715 WP 000705306.1        ..........MKITNYE....IYKLKKSGLTNQQILKVL.EYGENVDQELLLGDI..A.DISGCRNPAVFME...RYFQI   59
NTDB id 157 SP RS06205 WP 000705306.1         ..........MKITNYE....IYKLKKSGLTNQQILKVL.EYGENVDQELLLGDI..A.DISGCRNPAVFME...RYFQI   59
NTDB id 497 SM12261 RS05565 WP 000705318.1    ..........MKITNYE....IYKLKKSGLTNQQVLAVL.EYGENVDQELLLGDI..A.EISGCRNPAVFME...RYFQI   59
consensus                                       * ***    ****** **** *** **  * * ** ** * **  *  **  *** ****    * **

logo
NTDB id 25 SA RS06185 WP 000593194.1          DHNDIIKELQK..............LKVSYITYMDSEYPVLLKEIYQFPLLLFYKGNIKLINNMHHLAVVGARDSTSYTQ  129
NTDB id 40 MW RS06080 WP 000593192.1          DHNDIIKELQK..............LKVSYITYMDSEYPVLLKEIYQFPLLLFYKGNIKLINNMHHLAVVGARDSTSYTQ  129
NTDB id 114 BSU 16110 NP 389493.1             KAAALKNEIEQFYPKLPRVLAAYREQGINTIPISSKQYPFWLKSIYDPPAVLFAKGDMTLLSKGRKIGIVGTRNPTAYGK  127
NTDB id 1250 GC085 RS13065 WP 027219989.1     DPDFIKTDLNWL....S......SSENHHILTWDSPYYPALLKEIADPPFILYAKGELSALTQ.PSLAIVGSRNASVTGN  127
NTDB id 599 KW2 RS05940 WP 021037268.1        DVKKLRADYKKF....S............SFSILDDLYPERLREIYNPPVLIFYQGNIDLLKN.PKLAFVGSRLAGQSGI  121
NTDB id 407 SMU RS04605 WP 002262865.1        DSKALRKEFNRF....P............SLSILDKEYPLELKNIYNPPVLLFYQGDLDLLAR.PKLAVVGSRNASQMGV  120
NTDB id 156783 SanJ4206 RS04765 WP 003042009.1 DDDLLCQEFEKF....P............SFSILDDVYPWDLSEIYNPPVLLFYKGNLDLLKL.PKVAVVGSRNSSRTGS  120
NTDB id 525 SMSK321 RS06295 WP 000705298.1    DDAHLEKEFKKI....P............SFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRSCSKQGA  122
NTDB id 267 KZH43 RS05590 WP 000705306.1      DDAHLSKEFQKF....P............SFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGA  122
NTDB id 226 SPD RS05990 WP 000705306.1        DDAHLSKEFQKF....P............SFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGA  122
NTDB id 192 SPR RS05715 WP 000705306.1        DDAHLSKEFQKF....P............SFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGA  122
NTDB id 157 SP RS06205 WP 000705306.1         DDAHLSKEFQKF....P............SFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGA  122
NTDB id 497 SM12261 RS05565 WP 000705318.1    DDAHLEKEFQKF....P............SFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGA  122
consensus                                     *   * ******   *            ******* !!**! *!** !******!******  *****!!*!  *  *

logo
NTDB id 25 SA RS06185 WP 000593194.1          QSLEFLLSNDKSKYLTIVSGLAQGADAMAHQIALKYNLPTIAVLAFGHQTHYPKSTLALRNKIEEKGLVISEYPPHTPIA  209
NTDB id 40 MW RS06080 WP 000593192.1          QSLEFLLSNDKSKYLTIVSGLAQGADAMAHQIALKYNLPTIAVLAFGHQTHYPKSTLALRNKIEEKGLVISEYPPHTPIA  209
NTDB id 114 BSU 16110 NP 389493.1             QVVNHLTKEICRKGWVIVSGLASGIDGMSHAASIKAKGRTIGVIAGGFQHIYPRENLQLADHMAKHHILLSEHPPETKPQ  207
NTDB id 1250 GC085 RS13065 WP 027219989.1     ENARAFSREISRHGVSIVSGLALGIDAHAHLGCLEGGGKTIAVLGTGIDCIYPRRHLKLAEQITENGLLLSEFPLKSPPI  207
NTDB id 599 KW2 RS05940 WP 021037268.1        KSVQKIVTELN.QSFTIVSGLAKGIDTASHLSAIKTKTPTIAVIGTGLDIFYPLENRKIQEYLAKYQLVLSEYSLGEKPL  200
NTDB id 407 SMU RS04605 WP 002262865.1        AAVKKIIQDLS.KQFVIISGLARGIDTAAHLASLKSGGATIAVIGTGLDVHYPKENRRLQDYIAKNHLLLSEYEAQSQPL  199
NTDB id 156783 SanJ4206 RS04765 WP 003042009.1 QSVQKIVKELN.NELVIVSGLARGIDTSAHMAALQNGGRTIAVIGTGLDVFYPRANKKLQSYLGEHHLVLSEYGPESEPL  199
NTDB id 525 SMSK321 RS06295 WP 000705298.1    KSVEKIIQGLE.NELVIVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYISNDHLVLSEYGPGEQPL  201
NTDB id 267 KZH43 RS05590 WP 000705306.1      KSVEKVIQGLE.NELVIVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYIGNDHLVLSEYGPGEQPL  201
NTDB id 226 SPD RS05990 WP 000705306.1        KSVEKVIQGLE.NELVIVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYIGNDHLVLSEYGPGEQPL  201
NTDB id 192 SPR RS05715 WP 000705306.1        KSVEKVIQGLE.NELVIVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYIGNDHLVLSEYGPGEQPL  201
NTDB id 157 SP RS06205 WP 000705306.1         KSVEKVIQGLE.NELVIVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYIGNDHLVLSEYGPGEQPL  201
NTDB id 497 SM12261 RS05565 WP 000705318.1    KSVEKVIQGLE.NELVIVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYIGNDHLVLSEYGPGEQPL  201
consensus                                      ******  *  * **!*!!!!*!*!***!****  ***!!*!***!****!!* *********  ****!!* *   **
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logo
NTDB id 25 SA RS06185 WP 000593194.1          KYRFPERNRIISGLSKGVLITEAKEQSGSHITIDFALEQNRNVYVLPGSMFNPMTKGNLLRIQEGAKVVLNANDIFEDYY   289
NTDB id 40 MW RS06080 WP 000593192.1          KYRFPERNRIISGLSKGVLITEAKEQSGSHITIDFALEQNRNVYVLPGSMFNPMTKGNLLRIQEGAKVVLNANDIFEDYY   289
NTDB id 114 BSU 16110 NP 389493.1             KWHFPMRNRIISGLSEGVIVVQGKEKSGSLITAYQALEQGREVFAVPGSLFDPYAGGPIKLIQQGAKAIWSAEDIFEELP   287
NTDB id 1250 GCO85 RS13065 WP 027219989.1     AGHFPLRNRIISGLSLCILVIEAAIKSGSLITARMALEQNRDVLAIPGSIHNPLARGCHYLLQQGAKLVTSVADVLDELK   287
NTDB id 599 KW2 RS05940 WP 021037268.1        KYHFPERNRIIAGLSRGVVVEAKLRSGSLITCERALEEGRDIFAIPGNIADGTSDGCNHLIQQGAKLVYQAQDILEEYL   280
NTDB id 407 SMU RS04605 WP 002262865.1        KYHFPERNRIIAGLSQGVMVAEAKIRSGSLITCERAMEEGRDVFVVPGNILDGQSEGCHHLIQEGAKCITSGFDILNEFN   279
NTDB id 156783 SanJ4206 RS04765 WP 003042009.1 KFHFPERNRIIAGLCRGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGRSDGCHHLIQEGAKCVTTGADVLSEFQ   279
NTDB id 525 SMSK321 RS06295 WP 000705298.1   KFHFPARNRIIAGLCRGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFE   281
NTDB id 267 KZH43 RS05590 WP 000705306.1     KFHFPARNRIIAGLCRGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFE   281
NTDB id 226 SPD RS05990 WP 000705306.1       KFHFPARNRIIAGLCRGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFE   281
NTDB id 192 SPR RS05715 WP 000705306.1       KFHFPARNRIIAGLCRGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFE   281
NTDB id 157 SP RS06205 WP 000705306.1        KFHFPARNRIIAGLCRGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFE   281
NTDB id 497 SM12261 RS05565 WP 000705318.1   KFHFPARNRIIAGLCRGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFE   281
consensus                                    ***!! !!!!!*!! ************!!!*!!***!*!**!*****!!********!*****!*!!!******!**  **

logo
NTDB id 25 SA RS06185 WP 000593194.1          I.......................................................................   290
NTDB id 40 MW RS06080 WP 000593192.1          I.......................................................................   290
NTDB id 114 BSU 16110 NP 389493.1             ERNVQYTEPF.............................................................   297
NTDB id 1250 GCO85 RS13065 WP 027219989.1     IEHHQFTSNKPIFSLASGKENLVKFIGFETTTIDQIIDRSGYGMEQVTSGLAELELKGAVIAVPGGYIRCEYER   361
NTDB id 599 KW2 RS05940 WP 021037268.1        YN.....................................................................   282
NTDB id 407 SMU RS04605 WP 002262865.1        F......................................................................   280
NTDB id 156783 SanJ4206 RS04765 WP 003042009.1 F......................................................................   280
NTDB id 525 SMSK321 RS06295 WP 000705298.1   F......................................................................   282
NTDB id 267 KZH43 RS05590 WP 000705306.1     F......................................................................   282
NTDB id 226 SPD RS05990 WP 000705306.1       F......................................................................   282
NTDB id 192 SPR RS05715 WP 000705306.1       F......................................................................   282
NTDB id 157 SP RS06205 WP 000705306.1        F......................................................................   282
NTDB id 497 SM12261 RS05565 WP 000705318.1   F......................................................................   282
consensus                                    *
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X non conserved

X similar

X ≥ 50% conserved