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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 25 SA RS06185 WP 000593194.1          ...........MIKLF.....LLKLYWAHFSTKQIHQFLMAYPNVIKEEGRKKDSYLCEWVNREENVLLLRKYYAFIKLD   64
NTDB id 40 MW RS06080 WP 000593192.1          ...........MIKLF.....LLKLYWAHFSTKQIHQFLMAYPNVIKEEGRKKDSYLCEWVNREENVHLLRKYYAFIKLD   64
NTDB id 114 BSU 16110 NP 389493.1             MDQAAVCLTICRINQLLSPSLLLKWWKADPSMSLTS..............................PVLQTVT...RDQIK   48
NTDB id 1250 GC085 RS13065 WP 027219989.1     ............MNNLQPLLALNRMKRIGP.....RT.VLKLQKRWPDLNLMFQLSSVDLEEAGLPSWLAQT...IKNFD   59
NTDB id 599 KW2 RS05940 WP 021037268.1        ...........MITNFD....LFRWKKAGMTNLGVNK.LLKFFRKYDRKISLRQM..GQVAQVKSIPNFIEQ...YKNQD   59
NTDB id 407 SMU RS04605 WP 002262865.1        ............MDNFQ....LFKLKKAGLTNLNILN.IIDYEERTQKSLSLRDM..AVVSKNKKPLIFMEH...YKNLD   58
NTDB id 1120264 EL087 RS04520 WP 126407101.1  ............MDNFD....IYKLKEAGLTNQQVIN.VLSYAEIQEKELSVKDM..AVVSECRNPALFIEK...YLQLD   58
NTDB id 525 SMSK321 RS06295 WP 000705298.1    ..........MKITNYE....IYKLKKSGLTNQQILK.VLEYGENVDQELLLGDI..ADISGCRNPAVFMER...YFQID   60
NTDB id 267 KZH43 RS05590 WP 000705306.1      ..........MKITNYE....IYKLKKSGLTNQQILK.VLEYGENVDQELLLGDI..ADISGCRNPAVFMER...YFQID   60
NTDB id 226 SPD RS05990 WP 000705306.1        ..........MKITNYE....IYKLKKSGLTNQQILK.VLEYGENVDQELLLGDI..ADISGCRNPAVFMER...YFQID   60
NTDB id 192 SPR RS05715 WP 000705306.1        ..........MKITNYE....IYKLKKSGLTNQQILK.VLEYGENVDQELLLGDI..ADISGCRNPAVFMER...YFQID   60
NTDB id 157 SP RS06205 WP 000705306.1         ..........MKITNYE....IYKLKKSGLTNQQILK.VLEYGENVDQELLLGDI..ADISGCRNPAVFMER...YFQID   60
NTDB id 497 SM12261 RS05565 WP 000705318.1    ..........MKITNYE....IYKLKKSGLTNQQVLA.VLEYGENVDQELLLGDI..AEISGCRNPAVFMER...YFQID   60
consensus                                                 * ***     ****** **** ***  ** * * ** ** * **  ****  * * *****   * ***
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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 25 SA RS06185 WP 000593194.1          HNDIIKELQKL..............KVSYITYMDSEYPVLLKEIYQFPLLLFYKGNIKLINNMHHLAVVGARDSTSYTQQ   130
NTDB id 40 MW RS06080 WP 000593192.1          HNDIIKELQKL..............KVSYITYMDSEYPVLLKEIYQFPLLLFYKGNIKLINNMHHLAVVGARDSTSYTQQ   130
NTDB id 114 BSU 16110 NP 389493.1             AAALKNEIEQFYPKLPRVLAAYREQGINTIPISSKQYPFWLKSIYDPPAVLFAKGDMTLLSKGRKIGIVGTRNPTAYGKQ   128
NTDB id 1250 GC085 RS13065 WP 027219989.1     PDFIKTDLNWL....S......SSENHHILTWDSPYYPALLKEIADPPFILYAKGELSALTQ.PSLAIVGSRNASVTGNE   128
NTDB id 599 KW2 RS05940 WP 021037268.1        VKKLRADYKKF....S............SFSILDDLYPERLREIYNPPVLIFYQGNIDLLKN.PKLAFVGSRLAGQSGIK   122
NTDB id 407 SMU RS04605 WP 002262865.1        SKALRKEFNRF....P............SLSILDKEYPLELKNIYNPPVLLFYQGDLDLLAR.PKLAVVGSRNASQMGVA   121
NTDB id 1120264 EL087 RS04520 WP 126407101.1  DDLLCQEFEKF....P............SFSILDDVYPWDLSEIYNPPVLLFYKGNLDLLKL.PKVAVVGSRNSSRTGSQ   121
NTDB id 525 SMSK321 RS06295 WP 000705298.1    DAHLEKEFKKI....P............SFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRSCSKQGAK   123
NTDB id 267 KZH43 RS05590 WP 000705306.1      DAHLSKEFQKF....P............SFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAK   123
NTDB id 226 SPD RS05990 WP 000705306.1        DAHLSKEFQKF....P............SFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAK   123
NTDB id 192 SPR RS05715 WP 000705306.1        DAHLSKEFQKF....P............SFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAK   123
NTDB id 157 SP RS06205 WP 000705306.1         DAHLSKEFQKF....P............SFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAK   123
NTDB id 497 SM12261 RS05565 WP 000705318.1    DAHLEKEFQKF....P............SFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAK   123
consensus                                        * ******    *            ******* !!**! *!** !******!******  *****!!*!   *  *
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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 25 SA RS06185 WP 000593194.1          SLEFLLSNDKSKYLTIVSGLAQGADAMAHQIALKYNLPTIAVLAFGHQTHYPKSTLALRNKIEEKGLVISEYPPHTPIAK   210
NTDB id 40 MW RS06080 WP 000593192.1          SLEFLLSNDKSKYLTIVSGLAQGADAMAHQIALKYNLPTIAVLAFGHQTHYPKSTLALRNKIEEKGLVISEYPPHTPIAK   210
NTDB id 114 BSU 16110 NP 389493.1             VVNHLTKEICRKGWVIVSGLASGIDGMSHAASIKAKGRTIGVIAGGFQHIYPRENLQLADHMAKHHILLSEHPPETKPQK   208
NTDB id 1250 GC085 RS13065 WP 027219989.1     NARAFSREISRHGVSIVSGLALGIDAHAHLGCLEGGGKTIAVLGTGIDCIYPRRHLKLAEQITENGLLLSEFPLKSPPIA   208
NTDB id 599 KW2 RS05940 WP 021037268.1        SVQKIVTELN.QSFTIVSGLAKGIDTASHLSAIKTKTPTIAVIGTGLDIFYPLENRKIQEYLAKYQLVLSEYSLGEKPLK   201
NTDB id 407 SMU RS04605 WP 002262865.1        AVKKIIQDLS.KQFVIISGLARGIDTAAHLASLKSGGATIAVIGTGLDVHYPKENRRLQDYIAKNHLLLSEYEAQSQPLK   200
NTDB id 1120264 EL087 RS04520 WP 126407101.1  SVQKIVKELN.NELVIVSGLARGIDTSAHMAALQNGGRTIAVIGTGLDVFYPRANKKLQSYLGEHHLVLSEYGPESEPLK   200
NTDB id 525 SMSK321 RS06295 WP 000705298.1    SVEKIIQGLE.NELVIVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYISNDHLVLSEYGPGEQPLK   202
NTDB id 267 KZH43 RS05590 WP 000705306.1      SVEKVIQGLE.NELVIVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYIGNDHLVLSEYGPGEQPLK   202
NTDB id 226 SPD RS05990 WP 000705306.1        SVEKVIQGLE.NELVIVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYIGNDHLVLSEYGPGEQPLK   202
NTDB id 192 SPR RS05715 WP 000705306.1        SVEKVIQGLE.NELVIVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYIGNDHLVLSEYGPGEQPLK   202
NTDB id 157 SP RS06205 WP 000705306.1         SVEKVIQGLE.NELVIVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYIGNDHLVLSEYGPGEQPLK   202
NTDB id 497 SM12261 RS05565 WP 000705318.1    SVEKVIQGLE.NELVIVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYIGNDHLVLSEYGPGEQPLK   202
consensus                                     ******  *  * **!*!!!!*!*!***!****  ***!!*!***!****!!* *********  ****!!* *   ***
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logo

NTDB id 25 SA RS06185 WP 000593194.1          YRFPERNRIISGLSKGVLITEAKEQSGSHITIDFALEQNRNVYVLPGSMFNPMTKGNLLRIQEGAKVVLNANDIFEDYYI   290
NTDB id 40 MW RS06080 WP 000593192.1          YRFPERNRIISGLSKGVLITEAKEQSGSHITIDFALEQNRNVYVLPGSMFNPMTKGNLLRIQEGAKVVLNANDIFEDYYI   290
NTDB id 114 BSU 16110 NP 389493.1             WHFPMRNRIISGLSEGVIVVQGKEKSGSLITAYQALEQGREVFAVPGSLFDPYAGGPIKLIQQGAKAIWSAEDIFEELPE   288
NTDB id 1250 GCO85 RS13065 WP 027219989.1     GHFPLRNRIISGLSLCILVIEAAIKSGSLITARMALEQNRDVLAIPGSIHNPLARGCHYLLQQGAKLVTSVADVLDELKI   288
NTDB id 599 KW2 RS05940 WP 021037268.1        YHFPERNRIIAGLSRGVVVVEAKLRSGSLITCERALEEGRDIFAIPGNIADGTSDGCNHLIQQGAKLVYQAQDILEEYLY   281
NTDB id 407 SMU RS04605 WP 002262865.1        YHFPERNRIIAGLSQGVMVAEAKIRSGSLITCERAMEEGRDVFVVPGNILDGQSEGCHHLIQEGAKCITSGFDILNEFNF   280
NTDB id 1120264 EL087 RS04520 WP 126407101.1  FHFPERNRIIAGLCRGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGRSDGCHHLIQEGAKCVTSGADVLSEFQF   280
NTDB id 525 SMSK321 RS06295 WP 000705298.1    FHFPARNRIIAGLCRGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF   282
NTDB id 267 KZH43 RS05590 WP 000705306.1      FHFPARNRIIAGLCRGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF   282
NTDB id 226 SPD RS05990 WP 000705306.1        FHFPARNRIIAGLCRGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF   282
NTDB id 192 SPR RS05715 WP 000705306.1        FHFPARNRIIAGLCRGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF   282
NTDB id 157 SP RS06205 WP 000705306.1         FHFPARNRIIAGLCRGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF   282
NTDB id 497 SM12261 RS05565 WP 000705318.1    FHFPARNRIIAGLCRGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF   282
consensus                                     **!! !!!!!*!! ***********!!!*!!***!*!**!*****!!********!*****!*!!!******!**  **  *

logo

NTDB id 25 SA RS06185 WP 000593194.1          ..............................................................................   290
NTDB id 40 MW RS06080 WP 000593192.1          ..............................................................................   290
NTDB id 114 BSU 16110 NP 389493.1             RNVQYTEPF.....................................................................   297
NTDB id 1250 GCO85 RS13065 WP 027219989.1     EHHQFTSNKPIFSLASGKENLVKFIGFETTTIDQIIDRSGYGMEQVTSGLAELELKGAVIAVPGGYIRCEYER   361
NTDB id 599 KW2 RS05940 WP 021037268.1        N.............................................................................   282
NTDB id 407 SMU RS04605 WP 002262865.1        ..............................................................................   280
NTDB id 1120264 EL087 RS04520 WP 126407101.1  ..............................................................................   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