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logo
NTDB id 25 SA RS06185 WP 000593194.1          ...........MIKLF.....LLKLYWAHFSTKQIHQFLMAYPNVIKEEGRKKDSYLCEWVNREEN.VLLLRKYYAFIKLDHNDI   68
NTDB id 40 MW RS06080 WP 000593192.1          ...........MIKLF.....LLKLYWAHFSTKQIHQFLMAYPNVIKEEGRKKDSYLCEWVNREEN.VHLLRKYYAFIKLDHNDI   68
NTDB id 114 BSU 16110 NP 389493.1             MDQAAVCLTICRINQLLSPSLLLKWWKADPSMSLTSPVL.............................QTV...TRDQIKAAAL   52
NTDB id 1250 GC085 RS13065 WP 027219989.1     ............MNNLQPLLALNRMKRIGP.....RTVL.KLQKRWPDLNLMFQLSSV.DLEEAGLPSWLAQ...TIKNFDPDFI   63
NTDB id 599 KW2 RS05940 WP 021037268.1        ...........MITNFD....LFRWKKAGMTNLGVNKLL.KFFRKYDRKISLRQM..G.QVAQVKSIPNFIE...QYKNQDVKKL   63
NTDB id 407 SMU RS04605 WP 002262865.1        ...........MDNFQ....LFKLKKAGLTNLNILNII.DYEERTQKSLSLRDM..A.VVSKNKKPLIFME...HYKNLDSKAL   62
NTDB id 121207 DK43 RS05325 WP 003042009.1    ...........MDNFD....IYKLKKAGLTNQQVINVL.SYAEIQDKELSVKDM..A.VVSECRNPALFIE...KYLQLDDDLL   62
NTDB id 525 SMSK321 RS06295 WP 000705298.1    ..........MKITNYE....IYKLKKSGLTNQQILKVL.EYGENVDQELLLGDI..A.DISGCRNPAVFME...RYFQIDDAHL   64
NTDB id 267 KZH43 RS05590 WP 000705306.1      ..........MKITNYE....IYKLKKSGLTNQQILKVL.EYGENVDQELLLGDI..A.DISGCRNPAVFME...RYFQIDDAHL   64
NTDB id 226 SPD RS05990 WP 000705306.1        ..........MKITNYE....IYKLKKSGLTNQQILKVL.EYGENVDQELLLGDI..A.DISGCRNPAVFME...RYFQIDDAHL   64
NTDB id 192 SPR RS05715 WP 000705306.1        ..........MKITNYE....IYKLKKSGLTNQQILKVL.EYGENVDQELLLGDI..A.DISGCRNPAVFME...RYFQIDDAHL   64
NTDB id 157 SP RS06205 WP 000705306.1         ..........MKITNYE....IYKLKKSGLTNQQILKVL.EYGENVDQELLLGDI..A.DISGCRNPAVFME...RYFQIDDAHL   64
NTDB id 497 SM12261 RS05565 WP 000705318.1    ..........MKITNYE....IYKLKKSGLTNQQVLAVL.EYGENVDQELLLGDI..A.EISGCRNPAVFME...RYFQIDDAHL   64
consensus                                      * ***    ****** **** *** **  * * ** ** * **  *  **  *** ****   * ***   *

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NTDB id 25 SA RS06185 WP 000593194.1          IKELQK..............LKVSYITYMDSEYPVLLKEIYQFPLLLFYKGNIKLINNMHHLAVVGARDSTSYTQQSLEFLLSND   139
NTDB id 40 MW RS06080 WP 000593192.1          IKELQK..............LKVSYITYMDSEYPVLLKEIYQFPLLLFYKGNIKLINNMHHLAVVGARDSTSYTQQSLEFLLSND   139
NTDB id 114 BSU 16110 NP 389493.1             KNEIEQFYPKLPRVLAAYREQGINTIPISSKQYPFWLKSIYDPPAVLFAKGDMTLLSKGRKIGIVGTRNPTAYGKQVVNHLTKEI   137
NTDB id 1250 GC085 RS13065 WP 027219989.1     KTDLNWL....S......SSENHHILTWDSPYYPALLKEIADPPFILYAKGELSALTQ.PSLAIVGSRNASVTGNENARAFSREI   137
NTDB id 599 KW2 RS05940 WP 021037268.1        RADYKKF....S............SFSILDDLYPERLREIYNPPVLIFYQGNIDLLKN.PKLAFVGSRLAGQSGIKSVQKIVTEL   131
NTDB id 407 SMU RS04605 WP 002262865.1        RKEFNRF....P............SLSILDKEYPLELKNIYNPPVLLFYQGDLDLLAR.PKLAVVGSRNASQMGVAAVKKIIQDL   130
NTDB id 121207 DK43 RS05325 WP 003042009.1    CQEFEKF....P............SFSILDDVYPWDLSEIYNPPVLLFYKGNLDLLKL.PKVAVVGSRNSSRTGSQSVQKIVKEL   130
NTDB id 525 SMSK321 RS06295 WP 000705298.1    EKEFKKI....P............SFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRSCSKQGAKSVEKIIQGL   132
NTDB id 267 KZH43 RS05590 WP 000705306.1      SKEFQKF....P............SFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAKSVEKVIQGL   132
NTDB id 226 SPD RS05990 WP 000705306.1        SKEFQKF....P............SFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAKSVEKVIQGL   132
NTDB id 192 SPR RS05715 WP 000705306.1        SKEFQKF....P............SFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAKSVEKVIQGL   132
NTDB id 157 SP RS06205 WP 000705306.1         SKEFQKF....P............SFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAKSVEKVIQGL   132
NTDB id 497 SM12261 RS05565 WP 000705318.1    EKEFQKF....P............SFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAKSVEKVIQGL   132
consensus                                      ******    *            ******* !!**! *!** !******!******  *****!!*!  *  *  ******  *

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NTDB id 25 SA RS06185 WP 000593194.1          KSKYLTIVSGLAQGADAMAHQIALKYNLPTIAVLAFGHQTHYPKSTLALRNKIEEKGLVISEYPPHTPIAKYRFPERNRIISGLS   224
NTDB id 40 MW RS06080 WP 000593192.1          KSKYLTIVSGLAQGADAMAHQIALKYNLPTIAVLAFGHQTHYPKSTLALRNKIEEKGLVISEYPPHTPIAKYRFPERNRIISGLS   224
NTDB id 114 BSU 16110 NP 389493.1             CRKGWVIVSGLASGIDGMSHAASIKAKGRTIGVIAGGFQHIYPRENLQLADHMAKHHILLSEHPPETKPQKWHFPMRNRIISGLS   222
NTDB id 1250 GC085 RS13065 WP 027219989.1     SRHGVSIVSGLALGIDAHAHLGCLEGGGKTIAVLGTGIDCIYPRRHLKLAEQITENGLLLSEFPLKSPPIAGHFPLRNRIISGLS   222
NTDB id 599 KW2 RS05940 WP 021037268.1        N.QSFTIVSGLAKGIDTASHLSAIKTKTPTIAVIGTGLDIFYPLENRKIQEYLAKYQLVLSEYSLGEKPLKYHFPERNRIIAGLS   215
NTDB id 407 SMU RS04605 WP 002262865.1        S.KQFVIISGLARGIDTAAHLASLKSGGATIAVIGTGLDVHYPKENRRLQDYIAKNHLLLSEYEAQSQPLKYHFPERNRIIAGLS   214
NTDB id 121207 DK43 RS05325 WP 003042009.1    N.NELVIVSGLARGIDTSAHMAALQNGGRTIAVIGTGLDVFYPRANKKLQSYLGEHHLVLSEYGPESEPLKFHFPERNRIIAGLC   214
NTDB id 525 SMSK321 RS06295 WP 000705298.1    E.NELVIVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYISNDHLVLSEYGPGEQPLKFHFPARNRIIAGLC   216
NTDB id 267 KZH43 RS05590 WP 000705306.1      E.NELVIVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYIGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLC   216
NTDB id 226 SPD RS05990 WP 000705306.1        E.NELVIVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYIGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLC   216
NTDB id 192 SPR RS05715 WP 000705306.1        E.NELVIVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYIGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLC   216
NTDB id 157 SP RS06205 WP 000705306.1         E.NELVIVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYIGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLC   216
NTDB id 497 SM12261 RS05565 WP 000705318.1    E.NELVIVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYIGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLC   216
consensus                                      * **!*!!!!*!*!***!****  ***!!*!***!****!!* *********  ****!!* *   *****!! !!!!!*!!
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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 25 SA RS06185 WP 000593194.1          KGVLITEAKEQSGSHITIDFALEQNRNVYVLPGSMFNPMTKGNLLRIQEGAKVVLNANDIFEDYYI.....................  290
NTDB id 40 MW RS06080 WP 000593192.1          KGVLITEAKEQSGSHITIDFALEQNRNVYVLPGSMFNPMTKGNLLRIQEGAKVVLNANDIFEDYYI.....................  290
NTDB id 114 BSU 16110 NP 389493.1             EGVIVVQGKEKSGSLITAYQALEQGREVFAVPGSLFDPYAGGPIKLIQQGAKAIWSAEDIFEELPERNVQYTEPF...........  297
NTDB id 1250 GCO85 RS13065 WP 027219989.1     LCILVIEAAIKSGSLITARMALEQNRDVLAIPGSIHNPLARGCHYLLQQGAKLVTSVADVLDELKIEHHQFTSNKPIFSLASGKE  307
NTDB id 599 KW2 RS05940 WP 021037268.1        RGVVVVEAKLRSGSLITCERALEEGRDIFAIPGNIADGTSDGCNHLIQQGAKLVYQAQDILEEYLYN...................  282
NTDB id 407 SMU RS04605 WP 002262865.1        QGVMVAEAKIRSGSLITCERAMEEGRDVFVVPGNILDGQSEGCHHLIQEGAKCITSGFDILNEFNF....................  280
NTDB id 121207 DK43 RS05325 WP 003042009.1    RGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGRSDGCHHLIQEGAKCVTTGADVLSEFQF....................  280
NTDB id 525 SMSK321 RS06295 WP 000705298.1    RGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF....................  282
NTDB id 267 KZH43 RS05590 WP 000705306.1      RGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF....................  282
NTDB id 226 SPD RS05990 WP 000705306.1        RGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF....................  282
NTDB id 192 SPR RS05715 WP 000705306.1        RGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF....................  282
NTDB id 157 SP RS06205 WP 000705306.1         RGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF....................  282
NTDB id 497 SM12261 RS05565 WP 000705318.1    RGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF....................  282
consensus                                     ***********!!!*!!***!*!**!*****!!********!*****!*!!!******!**  ** *
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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             ....................................................  297
NTDB id 1250 GCO85 RS13065 WP 027219989.1     NLVKFIGFETTTIDQIIDRSGYGMEQVTSGLAELELKGAVIAVPGGYIRCEYER  361
NTDB id 599 KW2 RS05940 WP 021037268.1        ....................................................  282
NTDB id 407 SMU RS04605 WP 002262865.1        ....................................................  280
NTDB id 121207 DK43 RS05325 WP 003042009.1    ....................................................  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