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logo
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NTDB id 25 SA RS06185 WP 000593194.1          ........MIKLFLLKLYWAHFSTKQIHQFLMAYPNVIKEEGRKKDSYLC.EW....V.NREENVLLLRKYYAFIKLDHN   66
NTDB id 40 MW RS06080 WP 000593192.1          ........MIKLFLLKLYWAHFSTKQIHQFLMAYPNVIKEEGRKKDSYLC.EW....V.NREENVHLLRKYYAFIKLDHN   66
NTDB id 1250 GC085 RS13065 WP 027219989.1     ..MNNLQPLLALNRMK..RIGP.....RT.......VLKLQKRWPDLNLMFQLSSVDLEEAGLPSWLAQT...IKNFDPD   61
NTDB id 599 KW2 RS05940 WP 021037268.1        .MITNFD....LFRWK..KAGMTNLGVNK.......LLKFFRKYDRKISLRQM..GQVAQVKSIPNFIEQ...YKNQDVK   61
NTDB id 407 SMU RS04605 WP 002262865.1        ..MDNFQ....LFKLK..KAGLTNLNILN.......IIDYEERTQKSLSLRDM..AVVSKNKKPLIFMEH...YKNLDSK   60
NTDB id 1009115 ABKA15 RS04205 WP 049513260.1 ..MDNFD....IYKLK..EAGLTNQQVIN.......VLSYAEIQEKELSVKDM..AVVSECRNPALFIEK...YLQLDGD   60
NTDB id 525 SMSK321 RS06295 WP 000705298.1    MKITNYE....IYKLK..KSGLTNQQILK.......VLEYGENVDQELLLGDI..ADISGCRNPAVFMER...YFQIDDA   62
NTDB id 267 KZH43 RS05590 WP 000705306.1      MKITNYE....IYKLK..KSGLTNQQILK.......VLEYGENVDQELLLGDI..ADISGCRNPAVFMER...YFQIDDA   62
NTDB id 226 SPD RS05990 WP 000705306.1        MKITNYE....IYKLK..KSGLTNQQILK.......VLEYGENVDQELLLGDI..ADISGCRNPAVFMER...YFQIDDA   62
NTDB id 192 SPR RS05715 WP 000705306.1        MKITNYE....IYKLK..KSGLTNQQILK.......VLEYGENVDQELLLGDI..ADISGCRNPAVFMER...YFQIDDA   62
NTDB id 157 SP RS06205 WP 000705306.1         MKITNYE....IYKLK..KSGLTNQQILK.......VLEYGENVDQELLLGDI..ADISGCRNPAVFMER...YFQIDDA   62
NTDB id 497 SM12261 RS05565 WP 000705318.1    MKITNYE....IYKLK..KSGLTNQQVLA.......VLEYGENVDQELLLGDI..AEISGCRNPAVFMER...YFQIDDA   62
consensus                                       *****    ****!   *  ********        ******  *  ****  **   ****  **********    *  **!
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NTDB id 25 SA RS06185 WP 000593194.1          DIIKELQKLK....VSYITYMDSEYPVLLKEIYQFPLLLFYKGNIKLINNMHHLAVVGARDSTSYTQQSLEFLLSNDKSK   142
NTDB id 40 MW RS06080 WP 000593192.1          DIIKELQKLK....VSYITYMDSEYPVLLKEIYQFPLLLFYKGNIKLINNMHHLAVVGARDSTSYTQQSLEFLLSNDKSK   142
NTDB id 1250 GC085 RS13065 WP 027219989.1     FIKTDLNWLSSSENHHILTWDSPYYPALLKEIADPPFILYAKGELSALTQ.PSLAIVGSRNASVTGNENARAFSREISRH   140
NTDB id 599 KW2 RS05940 WP 021037268.1        KLRADYKKFS......SFSILDDLYPERLREIYNPPVLIFYQGNIDLLKN.PKLAFVGSRLAGQSGIKSVQKIVTELN.Q   133
NTDB id 407 SMU RS04605 WP 002262865.1        ALRKEFNRFP......SLSILDKEYPLELKNIYNPPVLLFYQGDLDLLAR.PKLAVVGSRNASQMGVAAVKKIIQDLS.K   132
NTDB id 1009115 ABKA15 RS04205 WP 049513260.1 LLCQEFKKFP......SFSILDDVYPWDLSEIYNPPVLLFYKGNLDLLKL.PKVAVVGSRNSSRTGSQSVQKIVKELN.N   132
NTDB id 525 SMSK321 RS06295 WP 000705298.1    HLEKEFKKIP......SFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRSCSKQGAKSVEKIIQGLE.N   134
NTDB id 267 KZH43 RS05590 WP 000705306.1      HLSKEFQKFP......SFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAKSVEKVIQGLE.N   134
NTDB id 226 SPD RS05990 WP 000705306.1        HLSKEFQKFP......SFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAKSVEKVIQGLE.N   134
NTDB id 192 SPR RS05715 WP 000705306.1        HLSKEFQKFP......SFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAKSVEKVIQGLE.N   134
NTDB id 157 SP RS06205 WP 000705306.1         HLSKEFQKFP......SFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAKSVEKVIQGLE.N   134
NTDB id 497 SM12261 RS05565 WP 000705318.1    HLEKEFQKFP......SFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAKSVEKVIQGLE.N   134
consensus                                      *  *******      ******* !!**!**!** !******!******  ***!*!!*!  **  *  ********  *   *
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NTDB id 25 SA RS06185 WP 000593194.1          YLTIVSGLAQGADAMAHQIALKYNLPTIAVLAFGHQTHYPKSTLALRNKIEEKGLVISEYPPHTPIAKYRFPERNRIISG   222
NTDB id 40 MW RS06080 WP 000593192.1          YLTIVSGLAQGADAMAHQIALKYNLPTIAVLAFGHQTHYPKSTLALRNKIEEKGLVISEYPPHTPIAKYRFPERNRIISG   222
NTDB id 1250 GC085 RS13065 WP 027219989.1     GVSIVSGLALGIDAHAHLGCLEGGGKTIAVLGTGIDCIYPRRHLKLAEQITENGLLLSEFPLKSPPIAGHFPLRNRIISG   220
NTDB id 599 KW2 RS05940 WP 021037268.1        SFTIVSGLAKGIDTASHLSAIKTKTPTIAVIGTGLDIFYPLENRKIQEYLAKYQLVLSEYSLGEKPLKYHFPERNRIIAG   213
NTDB id 407 SMU RS04605 WP 002262865.1        QFVIISGLARGIDTAAHLASLKSGGATIAVIGTGLDVHYPKENRRLQDYIAKNHLLLSEYEAQSQPLKYHFPERNRIIAG   212
NTDB id 1009115 ABKA15 RS04205 WP 049513260.1 ELVIVSGLARGIDTSAHMAALQNGGRTIAVIGTGLDVFYPRANKKLQSYLGEHHLVLSEYGPEAEPLKFHFPERNRIIAG   212
NTDB id 525 SMSK321 RS06295 WP 000705298.1    ELVIVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYISNDHLVLSEYGPGEQPLKFHFPARNRIIAG   214
NTDB id 267 KZH43 RS05590 WP 000705306.1      ELVIVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYIGNDHLVLSEYGPGEQPLKFHFPARNRIIAG   214
NTDB id 226 SPD RS05990 WP 000705306.1        ELVIVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYIGNDHLVLSEYGPGEQPLKFHFPARNRIIAG   214
NTDB id 192 SPR RS05715 WP 000705306.1        ELVIVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYIGNDHLVLSEYGPGEQPLKFHFPARNRIIAG   214
NTDB id 157 SP RS06205 WP 000705306.1         ELVIVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYIGNDHLVLSEYGPGEQPLKFHFPARNRIIAG   214
NTDB id 497 SM12261 RS05565 WP 000705318.1    ELVIVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYIGNDHLVLSEYGPGEQPLKFHFPARNRIIAG   214
consensus                                     ***!*!!!!!*!*!***!*********!!!!***!****!!***********  *!**!!***********!! !!!!!*!
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logo
NTDB id 25 SA RS06185 WP 000593194.1          LSKGVLITEAKEQSGSHITIDFALEQNRNVYVLPGSMFNPMTKGNLLRIQEGAKVVLNANDIFEDYYI............  290
NTDB id 40 MW RS06080 WP 000593192.1          LSKGVLITEAKEQSGSHITIDFALEQNRNVYVLPGSMFNPMTKGNLLRIQEGAKVVLNANDIFEDYYI............  290
NTDB id 1250 GCO85 RS13065 WP 027219989.1     LSLCILVIEAAIKSGSLITARMALEQNRDVLAIPGSIHNPLARGCHYLLQQGAKLVTSVADVLDELKIEHHQFTSNKPIF  300
NTDB id 599 KW2 RS05940 WP 021037268.1        LSRGVVVVEAKLRSGSLITCERALEEGRDIFAIPGNIADGTSDGCNHLIQQGAKLVYQAQDILEEYLYN...........  282
NTDB id 407 SMU RS04605 WP 002262865.1        LSQGVMVAEAKIRSGSLITCERAMEEGRDVFVVPGNILDGQSEGCHHLIQEGAKCITSGFDILNEFNF............  280
NTDB id 1009115 ABKA15 RS04205 WP 049513260.1 LCRGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGRSDGCHHLIQEGAKCVTSGADVLSEFQF............  280
NTDB id 525 SMSK321 RS06295 WP 000705298.1    LCRGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF............  282
NTDB id 267 KZH43 RS05590 WP 000705306.1      LCRGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF............  282
NTDB id 226 SPD RS05990 WP 000705306.1        LCRGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF............  282
NTDB id 192 SPR RS05715 WP 000705306.1        LCRGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF............  282
NTDB id 157 SP RS06205 WP 000705306.1         LCRGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF............  282
NTDB id 497 SM12261 RS05565 WP 000705318.1    LCRGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF............  282
consensus                                     !*******!!***!!!*!!***!*!**!*****!!********!*****!*!!!******!**  **  *

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                                              SLASGKENLVKFIGFETTTIDQIIDRSGYGMEQVTSGLAELELKGAVIAVPGGYIRCEYER
NTDB id 25 SA RS06185 WP 000593194.1          ............................................................  290
NTDB id 40 MW RS06080 WP 000593192.1          ............................................................  290
NTDB id 1250 GCO85 RS13065 WP 027219989.1     SLASGKENLVKFIGFETTTIDQIIDRSGYGMEQVTSGLAELELKGAVIAVPGGYIRCEYER  361
NTDB id 599 KW2 RS05940 WP 021037268.1        ............................................................  282
NTDB id 407 SMU RS04605 WP 002262865.1        ............................................................  280
NTDB id 1009115 ABKA15 RS04205 WP 049513260.1 ............................................................  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