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logo
NTDB id 40 MW RS06080 WP 000593192.1          ..........................MIKLF.LLKLYWAHFSTKQIHQFLMAYPNVIKEEGRKKDSYLCEWVNREENVHLLR   55
NTDB id 114 BSU 16110 NP 389493.1             ..MDQAAVCLTICRINQL........LSPSLLLKWWKA.......DPSMSLTSPVLQ.........TVT...........   43
NTDB id 1250 GC085 RS13065 WP 027219989.1     ..MNNLQPLLALNRMKRIGP.....RTVLKLQKRWPDL.......NLMFQLSS.VDLEEAGLPSWLAQT...........   54
NTDB id 599 KW2 RS05940 WP 021037268.1        .MITNFD....LFRWKKAGMTNLGVNKLLKFFRKYDRK..........ISLRQMGQVAQVKSIPNFIEQ...........   54
NTDB id 1089297 ACLSIV RS06585 WP 061774798.1 ..MQNFD....IYRLKKAGMSNLMVYQFLTLVADSQER.......NPLVCLPAFIRQVKMKQSAHFWEK...........   56
NTDB id 407 SMU RS04605 WP 002262865.1        ..MDNFQ....LFKLKKAGLTNLNILNIIDYEERTQKS..........LSLRDMAVVSKNKKPLIFMEH...........   53
NTDB id 525 SMSK321 RS06295 WP 000705298.1    MKITNYE....IYKLKKSGLTNQQILKVLEYGENVDQE..........LLLGDIADISGCRNPAVFMER...........   55
NTDB id 497 SM12261 RS05565 WP 000705318.1    MKITNYE....IYKLKKSGLTNQQVLAVLEYGENVDQE..........LLLGDIAEISGCRNPAVFMER...........   55
NTDB id 267 KZH43 RS05590 WP 000705306.1      MKITNYE....IYKLKKSGLTNQQILKVLEYGENVDQE..........LLLGDIADISGCRNPAVFMER...........   55
NTDB id 226 SPD RS05990 WP 000705306.1        MKITNYE....IYKLKKSGLTNQQILKVLEYGENVDQE..........LLLGDIADISGCRNPAVFMER...........   55
NTDB id 192 SPR RS05715 WP 000705306.1        MKITNYE....IYKLKKSGLTNQQILKVLEYGENVDQE..........LLLGDIADISGCRNPAVFMER...........   55
NTDB id 157 SP RS06205 WP 000705306.1         MKITNYE....IYKLKKSGLTNQQILKVLEYGENVDQE..........LLLGDIADISGCRNPAVFMER...........   55
consensus                                       *****     ****** **** ******** *  *            * * ******* *********

logo
NTDB id 40 MW RS06080 WP 000593192.1          KYYAFIKLDHNDIIKELQK..............LKVSYITYMDSEYPVLLKEIYQFPLLLFYKGNIKLINNMHHLAVVGA   121
NTDB id 114 BSU 16110 NP 389493.1             ....RDQIKAAALKNEIEQFYPKLPRVLAAYREQGINTIPISSKQYPFWLKSIYDPPAVLFAKGDMTLLSKGRKIGIVGT   119
NTDB id 1250 GC085 RS13065 WP 027219989.1     ....IKNFDPDFIKTDLNW....LS......SSENHHILTWDSPYYPALLKEIADPPFILYAKGELSALTQ.PSLAIVGS   119
NTDB id 599 KW2 RS05940 WP 021037268.1        ....YKNQDVKKLRADYKK....FS............SFSILDDLYPERLREIYNPPVLIFYQGNIDLLKN.PKLAFVGS   113
NTDB id 1089297 ACLSIV RS06585 WP 061774798.1 ....FRSFDIKAIREEFQK....FP............SFSIQDKVYPEALREIYNPPVLLFYQGDLSLLHQ.TKLGFVGS   115
NTDB id 407 SMU RS04605 WP 002262865.1        ....YKNLDSKALRKEFNR....FP............SLSILDKEYPLELKNIYNPPVLLFYQGDLDLLAR.PKLAVVGS   112
NTDB id 525 SMSK321 RS06295 WP 000705298.1    ....YFQIDDAHLEKEFKK....IP............SFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGS   114
NTDB id 497 SM12261 RS05565 WP 000705318.1    ....YFQIDDAHLEKEFQK....FP............SFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGS   114
NTDB id 267 KZH43 RS05590 WP 000705306.1      ....YFQIDDAHLSKEFQK....FP............SFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGS   114
NTDB id 226 SPD RS05990 WP 000705306.1        ....YFQIDDAHLSKEFQK....FP............SFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGS   114
NTDB id 192 SPR RS05715 WP 000705306.1        ....YFQIDDAHLSKEFQK....FP............SFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGS   114
NTDB id 157 SP RS06205 WP 000705306.1         ....YFQIDDAHLSKEFQK....FP............SFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGS   114
consensus                                       * *** * * *****    **              ******* !!**! *!** !******!******  *****!!*

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NTDB id 40 MW RS06080 WP 000593192.1          RDSTSYTQQSLEFLLSNDKSKYLTIVSGLAQGADAMAHQIALKYNLPTIAVLAFGHQTHYPKSTLALRNKIEEKGLVISE   201
NTDB id 114 BSU 16110 NP 389493.1             RNPTAYGKQVVNHLTKEICRKGWVIVSGLASGIDGMSHAASIKAKGRTIGVIAGGFQHIYPRENLQLADHMAKHHILLSE   199
NTDB id 1250 GC085 RS13065 WP 027219989.1     RNASVTGNENARAFSREISRHGVSIVSGLALGIDAHAHLGCLEGGGKTIAVLGTGIDCIYPRRHLKLAEQITENGLLLSE   199
NTDB id 599 KW2 RS05940 WP 021037268.1        RLAGQSGIKSVQKIVTELN.QSFTIVSGLAKGIDTASHLSAIKTKTPTIAVIGTGLDIFYPLENRKIQEYLAKYQLVLSE   192
NTDB id 1089297 ACLSIV RS06585 WP 061774798.1 RDCSQVGVASVQKIIKELQ.DRFVIVSGLARGIDTASHIAAMKNGGKTIAVIGTGLDVNYPRENYQLQAYIAKHQLLLSE   194
NTDB id 407 SMU RS04605 WP 002262865.1        RNASQMGVAAVKKIIQDLS.KQFVIISGLARGIDTAAHLASLKSGGATIAVIGTGLDVHYPKENRRLQDYIAKNHLLLSE   191
NTDB id 525 SMSK321 RS06295 WP 000705298.1    RSCSKQGAKSVEKIIQGLE.NELVIVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYISNDHLVLSE   193
NTDB id 497 SM12261 RS05565 WP 000705318.1    RACSKQGAKSVEKVIQGLE.NELVIVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYIGNDHLVLSE   193
NTDB id 267 KZH43 RS05590 WP 000705306.1      RACSKQGAKSVEKVIQGLE.NELVIVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYIGNDHLVLSE   193
NTDB id 226 SPD RS05990 WP 000705306.1        RACSKQGAKSVEKVIQGLE.NELVIVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYIGNDHLVLSE   193
NTDB id 192 SPR RS05715 WP 000705306.1        RACSKQGAKSVEKVIQGLE.NELVIVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYIGNDHLVLSE   193
NTDB id 157 SP RS06205 WP 000705306.1         RACSKQGAKSVEKVIQGLE.NELVIVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYIGNDHLVLSE   193
consensus                                     ! **  * ******** *  * **!*!!!!*!*!***!**** ****!!*!***!****!!* *********  ****!!
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logo

NTDB id 40 MW RS06080 WP 000593192.1          YPPHTPIAKYRFPERNRIISGLSKGVLITEAKEQSGSHITIDFALEQNRNVYVLPGSMFNPMTKGNLLRIQEGAKVVLNA   281
NTDB id 114 BSU 16110 NP 389493.1             HPPETKPQKWHFPMRNRIISGLSEGVIVVQGKEKSGSLITAYQALEQGREVFAVPGSLFDPYAGGPIKLIQQGAKAIWSA   279
NTDB id 1250 GCO85 RS13065 WP 027219989.1     FPLKSPPIAGHFPLRNRIISGLSLCILVIEAAIKSGSLITARMALEQNRDVLAIPGSIHNPLARGCHYLLQQGAKLVTSV   279
NTDB id 599 KW2 RS05940 WP 021037268.1        YSLGEKPLKYHFPERNRIIAGLSRGVVVVEAKLRSGSLITCERALEEGRDIFAIPGNIADGTSDGCNHLIQQGAKLVYQA   272
NTDB id 1089297 ACLSIV RS06585 WP 061774798.1 YGPDEKPLKYHFPERNRIIAGLSRGVLVTEAKLRSGSLITCERAMEEGRDVFAVPGNIIDGVSDGCHHLIQEGAKLIFHG   274
NTDB id 407 SMU RS04605 WP 002262865.1        YEAQSQPLKYHFPERNRIIAGLSQGVMVAEAKIRSGSLITCERAMEEGRDVFVVPGNILDGQSEGCHHLIQEGAKCITSG   271
NTDB id 525 SMSK321 RS06295 WP 000705298.1    YGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSG   273
NTDB id 497 SM12261 RS05565 WP 000705318.1    YGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSG   273
NTDB id 267 KZH43 RS05590 WP 000705306.1      YGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSG   273
NTDB id 226 SPD RS05990 WP 000705306.1        YGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSG   273
NTDB id 192 SPR RS05715 WP 000705306.1        YGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSG   273
NTDB id 157 SP RS06205 WP 000705306.1         YGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSG   273
consensus                                     **********!! !!!!!*!! **********!!!*!!***!*!**!*****!!********!*****!*!!!*****

logo

NTDB id 40 MW RS06080 WP 000593192.1          NDIFEDYYI.......................................................................   290
NTDB id 114 BSU 16110 NP 389493.1             EDIFEELPERNVQYTEPF..............................................................   297
NTDB id 1250 GCO85 RS13065 WP 027219989.1     ADVLDELKIEHHQFTSNKPIFSLASGKENLVKFIGFETTTIDQIIDRSGYGMEQVTSGLAELELKGAVIAVPGGYIRCEY   359
NTDB id 599 KW2 RS05940 WP 021037268.1        QDILEEYLYN......................................................................   282
NTDB id 1089297 ACLSIV RS06585 WP 061774798.1 RDILMEYDM.......................................................................   283
NTDB id 407 SMU RS04605 WP 002262865.1        FDILNEFNF.......................................................................   280
NTDB id 525 SMSK321 RS06295 WP 000705298.1    QDVLAEFEF.......................................................................   282
NTDB id 497 SM12261 RS05565 WP 000705318.1    QDVLAEFEF.......................................................................   282
NTDB id 267 KZH43 RS05590 WP 000705306.1      QDVLAEFEF.......................................................................   282
NTDB id 226 SPD RS05990 WP 000705306.1        QDVLAEFEF.......................................................................   282
NTDB id 192 SPR RS05715 WP 000705306.1        QDVLAEFEF.......................................................................   282
NTDB id 157 SP RS06205 WP 000705306.1         QDVLAEFEF.......................................................................   282
consensus                                     *!** ****

logo

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     ER   361
NTDB id 599 KW2 RS05940 WP 021037268.1        ..   282
NTDB id 1089297 ACLSIV RS06585 WP 061774798.1 ..   283
NTDB id 407 SMU RS04605 WP 002262865.1        ..   280
NTDB id 525 SMSK321 RS06295 WP 000705298.1    ..   282
NTDB id 497 SM12261 RS05565 WP 000705318.1    ..   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
consensus
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X non conserved
X similar
X ≥ 50% conserved