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logo
NTDB id 1073 ABD1 RS00865 WP 015451369.1     MLTQLSSHHYHTLKVWY...LVQH......SLVSFKKIIDYFGNCEKATQPDGL..AKWSSLGLHANHLKRVNEFQTTQGQAQFE   74
NTDB id 1361 HI 0985 AAC22646.1              ....MNDITYTLLRLMQVPKLGGVGIDKILSNITLNELLNYDD.............VAFRQMGWGAIQIRRWFKPEAKFIEPALV   68
NTDB id 1250 GCO85 RS13065 WP 027219989.1    ....MNNLQ.PLLALNR...MKRIG........PRTVLKLQKRWPDLNLMFQLSSVDLEEAGLPSWLAQTIKNFDPDFIKTDLN   68
NTDB id 599 KW2 RS05940 WP 021037268.1       ...MITNFD.....LFR...WKKAGM....TNLGVNKLLKFFRKYDRKISLRQM..GQVAQVKSIPNFIEQYKNQDVKKLRADYK   68
NTDB id 525 SMSK321 RS06295 WP 000705298.1   ..MKITNYE.....IYK...LKKSGL....TNQQILKVLEYGENVDQELLLGDI..ADISGCRNPAVFMERYFQIDDAHLEKEFK   69
NTDB id 267 KZH43 RS05590 WP 000705306.1     ..MKITNYE.....IYK...LKKSGL....TNQQILKVLEYGENVDQELLLGDI..ADISGCRNPAVFMERYFQIDDAHLSKEFQ   69
NTDB id 226 SPD RS05990 WP 000705306.1       ..MKITNYE.....IYK...LKKSGL....TNQQILKVLEYGENVDQELLLGDI..ADISGCRNPAVFMERYFQIDDAHLSKEFQ   69
NTDB id 192 SPR RS05715 WP 000705306.1       ..MKITNYE.....IYK...LKKSGL....TNQQILKVLEYGENVDQELLLGDI..ADISGCRNPAVFMERYFQIDDAHLSKEFQ   69
NTDB id 157 SP RS06205 WP 000705306.1        ..MKITNYE.....IYK...LKKSGL....TNQQILKVLEYGENVDQELLLGDI..ADISGCRNPAVFMERYFQIDDAHLSKEFQ   69
NTDB id 497 SM12261 RS05565 WP 000705318.1   ..MKITNYE.....IYK...LKKSGL....TNQQVLAVLEYGENVDQELLLGDI..AEISGCRNPAVFMERYFQIDDAHLEKEFQ   69
NTDB id 35725 SDSE RS15480 WP 015057583.1    ....MNHFE.....LYK...LKKAGL....TNKNILNILDYQKQQEKSLSLRDM..AVVSGCKHPSHFIETYKQLDIQKLKMEFK   67
NTDB id 407 SMU RS04605 WP 002262865.1       ....MDNFQ.....LFK...LKKAGL....TNLNILNIIDYEERTQKSLSLRDM..AVVSKNKKPLIFMEHYKNLDSKALRKEFN   67
consensus                                     *****     ***    *** **    ** ******** ** *  *** **  ******* ************   * ****

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NTDB id 1073 ABD1 RS00865 WP 015451369.1     QLVQQVRQHTDFILTPDDSGYPTQLLPYTDHPPIIFGKGQAQALLQPQIAIVGSRKPSPHGRQVAYDFAYYLSEKGFFISSGLAY   159
NTDB id 1361 HI 0985 AAC22646.1              WSQ....KEGNHLVNYFSPFYPFLLKQTASFPPLLFVKGNLTALSQRQMAMVGSRYCTTYGEYWAKHFATELSLAGFTITSGLAL   149
NTDB id 1250 GCO85 RS13065 WP 027219989.1    WLS...SSENHHILTWDSPYYPALLKEIADPPFILYAKGELSALTQPSLAIVGSRNASVTGNENARAFSREISRHGVSIVSGLAL   150
NTDB id 599 KW2 RS05940 WP 021037268.1       KFS.........SFSILDDLYPERLREIYNPPVLIFYQGNIDLLKNPKLAFVGSRLAGQSGIKSVQKIVTELNQ.SFTIVSGLAK   143
NTDB id 525 SMSK321 RS06295 WP 000705298.1   KIP.........SFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKFPKVAVVGSRSCSKQGAKSVEKIIQGLEN.ELVIVSGLAK   144
NTDB id 267 KZH43 RS05590 WP 000705306.1     KFP.........SFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKFPKVAVVGSRACSKQGAKSVEKVIQGLEN.ELVIVSGLAK   144
NTDB id 226 SPD RS05990 WP 000705306.1       KFP.........SFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKFPKVAVVGSRACSKQGAKSVEKVIQGLEN.ELVIVSGLAK   144
NTDB id 192 SPR RS05715 WP 000705306.1       KFP.........SFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKFPKVAVVGSRACSKQGAKSVEKVIQGLEN.ELVIVSGLAK   144
NTDB id 157 SP RS06205 WP 000705306.1        KFP.........SFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKFPKVAVVGSRACSKQGAKSVEKVIQGLEN.ELVIVSGLAK   144
NTDB id 497 SM12261 RS05565 WP 000705318.1   KFP.........SFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKFPKVAVVGSRACSKQGAKSVEKVIQGLEN.ELVIVSGLAK   144
NTDB id 35725 SDSE RS15480 WP 015057583.1    QFP.........SISILDKHYPMALKEIYNPPVLLFFQGNLDLLDQPKLAIVGSRRSSDTGVKSVRKILKELGN.RFVIVSGLAR   142
NTDB id 407 SMU RS04605 WP 002262865.1       RFP.........SLSILDKEYPLELKNIYNPPVLLFYQGDLDLLARPKLAVVGSRNASQMGVAAVKKIIQDLSK.QFVIISGLAR   142
consensus                                    ***         ******* !!**! **** !******!****!* ***!*!!!! **  ! *** **** * *  **!*!!!!*

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NTDB id 1073 ABD1 RS00865 WP 015451369.1     GIDEAAHQGASA.HQRTIAVTGTGLDTTYPAQNKKLAEYILAQNGAIITEFLPGTPPLQQHFPRRNRIVSGLSLGVLVVEATLKS   243
NTDB id 1361 HI 0985 AAC22646.1              GIDGHCHQAVVNIQGQTIAVLGSGLEQIYPSKHQRLSAQIIENNGALVSEFLPNQAPIAANFPRRNRIISGLSVGTLVVEATEKS   234
NTDB id 1250 GCO85 RS13065 WP 027219989.1    GIDAHAHLGCLEGGGKTIAVLGTGIDCIYPRRHLKLAEQI.TENGLLLSEFPLKSPPIAGHFPLRNRIISGLSLCILVIEAAIKS   234
NTDB id 599 KW2 RS05940 WP 021037268.1       GIDTASHLSAIKTKTPTIAVIGTGLDIFYPLENRKIQEYL.AKYQLVLSEYSLGEKPLKYHFPERNRIIAGLSRGVVVVEAKLRS   227
NTDB id 525 SMSK321 RS06295 WP 000705298.1   GIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYI.SNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRS   228
NTDB id 267 KZH43 RS05590 WP 000705306.1     GIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYI.GNDHLVLSEYGPGEQPLKRHFPARNRIIAGLCRGVIVAEAKMRS   228
NTDB id 226 SPD RS05990 WP 000705306.1       GIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYI.GNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRS   228
NTDB id 192 SPR RS05715 WP 000705306.1       GIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYI.GNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRS   228
NTDB id 157 SP RS06205 WP 000705306.1        GIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYI.GNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRS   228
NTDB id 497 SM12261 RS05565 WP 000705318.1   GIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYI.GNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRS   228
NTDB id 35725 SDSE RS15480 WP 015057583.1    GIDTSAHLACLKNGGQTIAVIGTGLDRFYPKENQELQTFL.GRKHLILTEYGPGEEPLSYHFPERNRIIAGLSRGILVVEAKNRS   226
NTDB id 407 SMU RS04605 WP 002262865.1       GIDTAAHLASLKSGGATIAVIGTGLDVHYPKENRRLQDYI.AKNHLLLSEYEAQSQPLKYHFPERNRIIAGLSQGVMVAEAKIRS   226
consensus                                    !!!***!********!!!!*!*!****!!* ******** ** *****!******!****!! !!!!**!! ****!*!!***!
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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1073 ABD1 RS00865 WP 015451369.1    GSLITANKAAEQGKTVFAIPGHIYSEFHQGCHQLIREGAILIDHPEQIIEDLALPTQWQSQQQNQTE..EAN.TNTP.....EIR   320
NTDB id 1361 HI 0985 AAC22646.1             GSLITARYALEQNREVFAVPGNIQNKSSQGCHRLIKQGAMLVENAKDILETLYQHSIHSQTEIDFDQIAVPNYTPPPDPRRLVEA   319
NTDB id 1250 GCO85 RS13065 WP 027219989.1   GSLITARMALEQNRDVLAIPGSIHNPLARGCHYLLQQGAKLVTSVADVLDELKIEHHQFTSN.......KPI.........FSLA   303
NTDB id 599 KW2 RS05940 WP 021037268.1      GSLITCERALEEGRDIFAIPGNIADGTSDGCNHLIQQGAKLVYQAQDILEEYLYN.............................   282
NTDB id 525 SMSK321 RS06295 WP 000705298.1  GSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF.............................   282
NTDB id 267 KZH43 RS05590 WP 000705306.1    GSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF.............................   282
NTDB id 226 SPD RS05990 WP 000705306.1      GSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF.............................   282
NTDB id 192 SPR RS05715 WP 000705306.1      GSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF.............................   282
NTDB id 157 SP RS06205 WP 000705306.1       GSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF.............................   282
NTDB id 497 SM12261 RS05565 WP 000705318.1  GSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF.............................   282
NTDB id 35725 SDSE RS15480 WP 015057583.1   GSLITCQIGIEEGRDIFAVPGNILDGESEGCLQLIKEGATCVTSGMDILSEYQK..............................   280
NTDB id 407 SMU RS04605 WP 002262865.1      GSLITCERAMEEGRDVFVVPGNILDGQSEGCHHLIQEGAKCITSGFDILNEFNF.............................   280
consensus                                   !!!!!*****!********!!*!******!!**!***!!**********  **  *
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logo
                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1073 ABD1 RS00865 WP 015451369.1    EHLIDLYQSLDWVGQNIDQLVVHHNIPVSELTSSLMELELLGLCMQQSGLYLRCRS..   376
NTDB id 1361 HI 0985 AAC22646.1             PSHPKLYSRIGYTPVSIDDLAEEFNLSVDVLLVQLLDLELQDLIISENGLYKRV....   373
NTDB id 1250 GCO85 RS13065 WP 027219989.1   SGKENLVKFIGFETTTIDQIIDRSGYGMEQVTSGLAELELKGAVIAVPGGYIRCEYER   361
NTDB id 599 KW2 RS05940 WP 021037268.1      ..........................................................   282
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
NTDB id 35725 SDSE RS15480 WP 015057583.1   ..........................................................   280
NTDB id 407 SMU RS04605 WP 002262865.1      ..........................................................   280
consensus
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X non conserved

X similar

X $\geq$ 50% conserved