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logo
NTDB id 1361 HI 0985 AAC22646.1              ............MNDITYTLLRLMQVPKLGGVGIDKILSNITLNELLNYDDVAFRQMGWGAIQIRR...WFKP.....EA   60
NTDB id 1250 GC085 RS13065 WP 027219989.1    ............MNNL.QPLLALNRMKRIGPRTVLKLQ.KRWPDLNLMF...QLSSVDLEEAGLPS...WLAQTIKNFDP   60
NTDB id 1399 DSB67 RS15600 WP 010645755.1    .......MTPQNDIDL.AAWLKLSCLPGIGGVKMNKLLSKDTPSNIVQYSTEQLQLLGLTAKQLQA...WSQV......D   63
NTDB id 114 BSU 16110 NP 389493.1            MDQAAVCLTICRINQL.LSPSLLLKWWKADPS.......MSLTSPVLQTVT.......RDQIKA.A...ALKNEIEQFYP   61
NTDB id 183316 LLUC109 RS06190 WP 015082464.1 ................M.ITNFDLFRWKKAGMT.......NLGVNKLLKFFLKYDIKISLRQMGQVAQVKSIPNFIEQYK.   56
NTDB id 599 KW2 RS05940 WP 021037268.1       ................M.ITNFDLFRWKKAGMT.......NLGVNKLLKFFRKYDRKISLRQMGQVAQVKSIPNFIEQYK.   56
NTDB id 407 SMU RS04605 WP 002262865.1       ..................MDNFQLFKLKKAGLT.......NLNILNIIDYEERTQKSLSLRDMAVVSKNKKPLIFMEHYK.   55
NTDB id 525 SMSK321 RS06295 WP 000705298.1   ...............MK.ITNYEIYKLKKSGLT.......NQQILKVLEYGENVDQELLLGDIADISGCRNPAVFMERYF.   57
NTDB id 267 KZH43 RS05590 WP 000705306.1     ...............MK.ITNYEIYKLKKSGLT.......NQQILKVLEYGENVDQELLLGDIADISGCRNPAVFMERYF.   57
NTDB id 226 SPD RS05990 WP 000705306.1       ...............MK.ITNYEIYKLKKSGLT.......NQQILKVLEYGENVDQELLLGDIADISGCRNPAVFMERYF.   57
NTDB id 192 SPR RS05715 WP 000705306.1       ...............MK.ITNYEIYKLKKSGLT.......NQQILKVLEYGENVDQELLLGDIADISGCRNPAVFMERYF.   57
NTDB id 157 SP RS06205 WP 000705306.1        ...............MK.ITNYEIYKLKKSGLT.......NQQILKVLEYGENVDQELLLGDIADISGCRNPAVFMERYF.   57
NTDB id 497 SM12261 RS05565 WP 000705318.1   ...............MK.ITNYEIYKLKKSGLT.......NQQVLAVLEYGENVDQELLLGDIAEISGCRNPAVFMERYF.   57
consensus                                                      ************ ***        *  *  ** * *  *  * * *** **  *   **** *

logo
NTDB id 1361 HI 0985 AAC22646.1              KFIEPALVWSQK.EGNHLVNYFSPFYPFLLKQTASFPPLLFVKGNLTALSQ.RQMAMVGSRYCTTYGEYWAKHFATELSL   138
NTDB id 1250 GC085 RS13065 WP 027219989.1    DFIKTDLNWLSSSENHHILTWDSPYYPALLKEIADPPFILYAKGELSALTQ.PSLAIVGSRNASVTGNENARAFSREISR   139
NTDB id 1399 DSB67 RS15600 WP 010645755.1    KEVDACLTWVAASSHHHILTLADALYPPLLKQTVAPPPLLFVKGEASCLPQ.PQIAMVGSRNASVDGLQHTRTFASDLVQ   142
NTDB id 114 BSU 16110 NP 389493.1            KLPRVLAA..YREQGINTIPISSKQYPFWLKSIYDPPAVLFAKGDMTLLSKGRKIGIVGTRNPTAYGKQVVNHLTKEICR   139
NTDB id 183316 LLUC109 RS06190 WP 015082464.1 NQDVKKLR..IDYKKFSSFSILDDLYPERLREIYNPPVLIFYQGNIDLLKN.PKLAFVGSRLAGQSGIKAVQKIITEL.N   132
NTDB id 599 KW2 RS05940 WP 021037268.1       NQDVKKLR..ADYKKFSSFSILDDLYPERLREIYNPPVLIFYQGNIDLLKN.PKLAFVGSRLAGQSGIKSVQKIVTEL.N   132
NTDB id 407 SMU RS04605 WP 002262865.1       NLDSKALR..KEFNRFPSLSILDKEYPLELKNIYNPPVLLFYQGDLDLLAR.PKLAVVGSRNASQMGVAAVKKIIQDL.S   131
NTDB id 525 SMSK321 RS06295 WP 000705298.1   QIDDAHLE..KEFKKIPSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRSCSKQGAKSVEKIIQGL.E   133
NTDB id 267 KZH43 RS05590 WP 000705306.1     QIDDAHLS..KEFQKFPSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAKSVEKVIQGL.E   133
NTDB id 226 SPD RS05990 WP 000705306.1       QIDDAHLS..KEFQKFPSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAKSVEKVIQGL.E   133
NTDB id 192 SPR RS05715 WP 000705306.1       QIDDAHLS..KEFQKFPSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAKSVEKVIQGL.E   133
NTDB id 157 SP RS06205 WP 000705306.1        QIDDAHLS..KEFQKFPSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAKSVEKVIQGL.E   133
NTDB id 497 SM12261 RS05565 WP 000705318.1   QIDDAHLE..KEFQKFPSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAKSVEKVIQGL.E   133
consensus                                    ****  *    ** ** ******* !!* ! **** !******!****!*  *****!!*!  *  ! * * ***  *

logo
NTDB id 1361 HI 0985 AAC22646.1              AGFTITSGLALGIDGHCHQAVVNIQGQTIAVLGSGLEQIYPSKHQRLSAQIIENNGALVSEFLPNQAPIAANFPRRNRII   218
NTDB id 1250 GC085 RS13065 WP 027219989.1    HGVSIVSGLALGIDAHAHLGCLEGGGKTIAVLGTGIDCIYPRRHLKLAEQI.TENGLLLSEFPLKSPPIAGHFPLRNRII   218
NTDB id 1399 DSB67 RS15600 WP 010645755.1    HDLIVTSGLALGIDGHAHDGALLAGGKTIAVLGSGLEQVYPARHRGLAQRV.AENGALVSEFRPDAKPRAENFPRRNRII   221
NTDB id 114 BSU 16110 NP 389493.1            KGWVIVSGLASGIDGMSHAASIKAKGRTIGVIAGGFQHIYPRENLQLADHM.AKHHILLSEHPPETKPQKWHFPMRNRII   218
NTDB id 183316 LLUC109 RS06190 WP 015082464.1 QSFTIVSGLAKGIDTASHLSAIKTKTPTIAVIGTGLDIFYPLENRKIQEYL.AKNQLVLSEYSLGEKPLKYHFPERNRII   211
NTDB id 599 KW2 RS05940 WP 021037268.1       QSFTIVSGLAKGIDTASHLSAIKTKTPTIAVIGTGLDIFYPLENRKIQEYL.AKYQLVLSEYSLGEKPLKYHFPERNRII   211
NTDB id 407 SMU RS04605 WP 002262865.1       KQFVIISGLARGIDTAAHLASLKSGGATIAVIGTGLDVHYPKENRRLQDYI.AKNHLLLSEYEAQSQPLKYHFPERNRII   210
NTDB id 525 SMSK321 RS06295 WP 000705298.1   NELVIVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYI.SNDHLVLSEYGPGEQPLKFHFPARNRII   212
NTDB id 267 KZH43 RS05590 WP 000705306.1     NELVIVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYI.GNDHLVLSEYGPGEQPLKFHFPARNRII   212
NTDB id 226 SPD RS05990 WP 000705306.1       NELVIVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYI.GNDHLVLSEYGPGEQPLKFHFPARNRII   212
NTDB id 192 SPR RS05715 WP 000705306.1       NELVIVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYI.GNDHLVLSEYGPGEQPLKFHFPARNRII   212
NTDB id 157 SP RS06205 WP 000705306.1        NELVIVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYI.GNDHLVLSEYGPGEQPLKFHFPARNRII   212
NTDB id 497 SM12261 RS05565 WP 000705318.1   NELVIVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYI.GNDHLVLSEYGPGEQPLKFHFPARNRII   212
consensus                                    * ****!!!!*!!!***!****  ***!!*!***!****!!* ******** *  ****!!* *** !****!! !!!!!
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logo
NTDB id 1361 HI 0985 AAC22646.1                SGLSVGTLVVEATEKSGSLITARYALEQNREVFAVPGNIQNKSSQGCHRLIKQGAMLVENAKDILETLYQHSIHSQTEID   298
NTDB id 1250 GC085 RS13065 WP 027219989.1      SGLSLCILVIEAAIKSGSLITARMALEQNRDVLAIPGSIHNPLARGCHYLLQQGAKLVTSVADVLDELKIEHH......Q   292
NTDB id 1399 DSB67 RS15600 WP 010645755.1      SGLSLGVLVVEAAEKSGSLITARYALEQGREVFALPASINAPNASGGNQLIQNGACLVQNTQEVLNEIQSLLDW.....S   296
NTDB id 114 BSU 16110 NP 389493.1              SGLSEGVIVVQGKEKSGSLITAYQALEQGREVFAVPGSLFDPYAGGPIKLIQQGAKAIWSAEDIFEELPERNVQYTEPF.   297
NTDB id 183316 LLUC109 RS06190 WP 015082464.1 AGLSRGVVVVEAKLRSGSLITCERALEEGRDIFAIPGNIADGTSDGCNHLIQQGAKLVYQAQDILEEYLYN.........   282
NTDB id 599 KW2 RS05940 WP 021037268.1         AGLSRGVVVVEAKLRSGSLITCERALEEGRDIFAIPGNIADGTSDGCNHLIQQGAKLVYQAQDILEEYLYN.........   282
NTDB id 407 SMU RS04605 WP 002262865.1         AGLSQGVMVAEAKIRSGSLITCERAMEEGRDVFVVPGNILDGQSEGCHHLIQEGAKCITSGFDILNEFNF..........   280
NTDB id 525 SMSK321 RS06295 WP 000705298.1     AGLCRGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF..........   282
NTDB id 267 KZH43 RS05590 WP 000705306.1       AGLCRGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF..........   282
NTDB id 226 SPD RS05990 WP 000705306.1         AGLCRGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF..........   282
NTDB id 192 SPR RS05715 WP 000705306.1         AGLCRGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF..........   282
NTDB id 157 SP RS06205 WP 000705306.1          AGLCRGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF..........   282
NTDB id 497 SM12261 RS05565 WP 000705318.1     AGLCRGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF..........   282
consensus                                      *!! ****! *****!!!!!!***!*!**!*****!*** ** **!***!** !!**********  ** *

logo
NTDB id 1361 HI 0985 AAC22646.1                FDQIAVPNYTPPPDPRRLVEAPSHPKLYSRIGYTPVSIDDLAEEFNLSVDVLLVQLLDLELQDLIISENGLYKRV....   373
NTDB id 1250 GC085 RS13065 WP 027219989.1      FTS.NKPIFSLASG.........KENLVKFIGFETTTIDQIIDRSGYGMEQVTSGLAELELKGAVIAVPGGYIRCEYER   361
NTDB id 1399 DSB67 RS15600 WP 010645755.1      INQ.SLDLFSAPIDE....EELPFPQLLANVGNEATPVDILASRTNIPVQEVMMQLLELELSGHVVAVSGGYIRKGRG.   369
NTDB id 114 BSU 16110 NP 389493.1              ..............................................................................   297
NTDB id 183316 LLUC109 RS06190 WP 015082464.1 ..............................................................................   282
NTDB id 599 KW2 RS05940 WP 021037268.1         ..............................................................................   282
NTDB id 407 SMU RS04605 WP 002262865.1         ..............................................................................   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 $\geq$ 50% conserved