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NTDB id 1361 HI 0985 AAC22646.1                MNDITYTLLRLMQVPKLGGVGIDKILSNITLNELLNYDDVAFRQMGWGAIQIRRWFKPEAKFIEPALVWSQK......EGNHLVN   79
NTDB id 599 KW2 RS05940 WP 021037268.1         .MITNFDLFRW......KKAG....MTNLGVNKLLKFFRKYDRKISLRQMGQVAQVKSIPNFIEQYKNQDVKKLRADYKKFSSFS   74
NTDB id 407 SMU RS04605 WP 002262865.1         ..MDNFQLFKL......KKAG....LTNLNILNIIDYEERTQKSLSLRDMAVVSKNKKPLIFMEHYKNLDSKALRKEFNRFPSLS   73
NTDB id 525 SMSK321 RS06295 WP 000705298.1     MKITNYEIYKL......KKSG....LTNQQILKVLEYGENVDQELLLGDIADISGCRNPAVFMERYFQIDDAHLEKEFKKIPSFS   75
NTDB id 267 KZH43 RS05590 WP 000705306.1       MKITNYEIYKL......KKSG....LTNQQILKVLEYGENVDQELLLGDIADISGCRNPAVFMERYFQIDDAHLSKEFQKFPSFS   75
NTDB id 226 SPD RS05990 WP 000705306.1         MKITNYEIYKL......KKSG....LTNQQILKVLEYGENVDQELLLGDIADISGCRNPAVFMERYFQIDDAHLSKEFQKFPSFS   75
NTDB id 192 SPR RS05715 WP 000705306.1         MKITNYEIYKL......KKSG....LTNQQILKVLEYGENVDQELLLGDIADISGCRNPAVFMERYFQIDDAHLSKEFQKFPSFS   75
NTDB id 157 SP RS06205 WP 000705306.1          MKITNYEIYKL......KKSG....LTNQQILKVLEYGENVDQELLLGDIADISGCRNPAVFMERYFQIDDAHLSKEFQKFPSFS   75
NTDB id 27394 SMI RS06195 WP 000705314.1       MKITNYEIYKL......KKSG....LTNQQILKVLEYGENVDQELLLGDIAEISGCRNPAVFMERYFQIDDAHLEKEFQKFPSFS   75
NTDB id 497 SM12261 RS05565 WP 000705318.1     MKITNYEIYKL......KKSG....LTNQQVLAVLEYGENVDQELLLGDIAEISGCRNPAVFMERYFQIDDAHLEKEFQKFPSFS   75
consensus                                      ***********      ***!    **!*************************************!*!**********  **********
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NTDB id 1361 HI 0985 AAC22646.1                YFSPFYPFLLKQTASFPPLLFVKGNLTALSQRQMAMVGSRYCTTYGEYWAKHFATELSLAGFTITSGLALGIDGHCHQAVVNIQG   164
NTDB id 599 KW2 RS05940 WP 021037268.1         ILDDLYPERLREIYNPPVLIFYQGNIDLLKNPKLAFVGSRLAGQSGIKSVQKIVTELN.QSFTIVSGLAKGIDTASHLSAIKTKT   158
NTDB id 407 SMU RS04605 WP 002262865.1         ILDKEYPLELKNIYNPPVLLFYQGDLDLLARPKLAVVGSRNASQMGVAAVKKIIQDLS.KQFVIISGLARGIDTAAHLASLKSGG   157
NTDB id 525 SMSK321 RS06295 WP 000705298.1     ILDDCYPWDLSEIYDAPVLLFYKGNLDLLKFPKVAVVGSRSCSKQGAKSVEKIIQGLE.NELVIVSGLAKGIDTAAHMAALQNGG   159
NTDB id 267 KZH43 RS05590 WP 000705306.1       ILDDCYPWDLSEIYDAPVLLFYKGNLDLLKFPKVAVVGSRACSKQGAKSVEKVIQGLE.NELVIVSGLAKGIDTAAHMAALQNGG   159
NTDB id 226 SPD RS05990 WP 000705306.1         ILDDCYPWDLSEIYDAPVLLFYKGNLDLLKFPKVAVVGSRACSKQGAKSVEKVIQGLE.NELVIVSGLAKGIDTAAHMAALQNGG   159
NTDB id 192 SPR RS05715 WP 000705306.1         ILDDCYPWDLSEIYDAPVLLFYKGNLDLLKFPKVAVVGSRACSKQGAKSVEKVIQGLE.NELVIVSGLAKGIDTAAHMAALQNGG   159
NTDB id 157 SP RS06205 WP 000705306.1          ILDDCYPWDLSEIYDAPVLLFYKGNLDLLKFPKVAVVGSRACSKQGAKSVEKVIQGLE.NELVIVSGLAKGIDTAAHMAALQNGG   159
NTDB id 27394 SMI RS06195 WP 000705314.1       ILDDCYPWDLSEIYDAPVLLFYKGNLDLLKFPKVAVVGSRACSKQGAKSVEKVIQGLE.NELVIVSGLAKGIDTAAHMAALQNGG   159
NTDB id 497 SM12261 RS05565 WP 000705318.1     ILDDCYPWDLSEIYDAPVLLFYKGNLDLLKFPKVAVVGSRACSKQGAKSVEKVIQGLE.NELVIVSGLAKGIDTAAHMAALQNGG   159
consensus                                      *****!!**!******!*!*!**!****!*****!*!!!!*****!***********!* ****!*!!!!*!!!***!********
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NTDB id 1361 HI 0985 AAC22646.1                QTIAVLGSGLEQIYPSKHQRLSAQIIENNGALVSEFLPNQAPIAANFPRRNRIISGLSVGTLVVEATEKSGSLITARYALEQNRE   249
NTDB id 599 KW2 RS05940 WP 021037268.1         PTIAVIGTGLDIFYPLENRKIQEY.LAKYQLVLSEYSLGEKPLKYHFPERNRIIAGLSRGVVVVEAKLRSGSLITCERALEEGRD   242
NTDB id 407 SMU RS04605 WP 002262865.1         ATIAVIGTGLDVHYPKENRRLQDY.IAKNHLLLSEYEAQSQPLKYHFPERNRIIAGLSQGVMVAEAKIRSGSLITCERAMEEGRD   241
NTDB id 525 SMSK321 RS06295 WP 000705298.1     KTIAVIGTGLDVFYPKANKRLQDY.ISNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRSGSLITCERAMEEGRD   243
NTDB id 267 KZH43 RS05590 WP 000705306.1       KTIAVIGTGLDVFYPKANKRLQDY.IGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRSGSLITCERAMEEGRD   243
NTDB id 226 SPD RS05990 WP 000705306.1         KTIAVIGTGLDVFYPKANKRLQDY.IGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRSGSLITCERAMEEGRD   243
NTDB id 192 SPR RS05715 WP 000705306.1         KTIAVIGTGLDVFYPKANKRLQDY.IGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRSGSLITCERAMEEGRD   243
NTDB id 157 SP RS06205 WP 000705306.1          KTIAVIGTGLDVFYPKANKRLQDY.IGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRSGSLITCERAMEEGRD   243
NTDB id 27394 SMI RS06195 WP 000705314.1       KTIAVIGTGLDVFYPKANKRLQDY.IGNDHLILSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRSGSLITCERAMEEGRD   243
NTDB id 497 SM12261 RS05565 WP 000705318.1     KTIAVIGTGLDVFYPKANKRLQDY.IGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRSGSLITCERAMEEGRD   243
consensus                                      *!!!!*!*!!***!!********** *******!!******!****!!*!!!!!*!!**!*!!**!!!!!!***!*!**!*
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NTDB id 1361 HI 0985 AAC22646.1       VFAVPGNIQNKSSQGCHRLIKQGAMLVENAKDILETLYQHSIHSQTEIDFDQIAVPNYTPPPDPRRLVEAPSHPKLYSRIGYTPV  334
NTDB id 599 KW2 RS05940 WP 021037268.1 IFAIPGNIADGTSDGCNHLIQQGAKLVYQAQDILEEYLYN.....................  282
NTDB id 407 SMU RS04605 WP 002262865.1 VFVVPGNILDGQSEGCHHLIQEGAKCITSGFDILNEFNF.....................  280
NTDB id 525 SMSK321 RS06295 WP 000705298.1 VFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF.................  282
NTDB id 267 KZH43 RS05590 WP 000705306.1 VFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF.....................  282
NTDB id 226 SPD RS05990 WP 000705306.1 VFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF.....................  282
NTDB id 192 SPR RS05715 WP 000705306.1 VFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF.....................  282
NTDB id 157 SP RS06205 WP 000705306.1 VFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF.....................  282
NTDB id 27394 SMI RS06195 WP 000705314.1 VFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF.....................  282
NTDB id 497 SM12261 RS05565 WP 000705318.1 VFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF.....................  282
consensus                             *!**!!*!****!*!!**!!**!!********!*!*****

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NTDB id 1361 HI 0985 AAC22646.1       SIDDLAEEFNLSVDVLLVQLLDLELQDLIISENGLYKRV  373
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 27394 SMI RS06195 WP 000705314.1 ......................................  282
NTDB id 497 SM12261 RS05565 WP 000705318.1 ....................................  282
consensus
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X non conserved
X similar
X ≥ 50% conserved