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logo

NTDB id 1361 HI 0985 AAC22646.1          MNDITYTLLRLMQVPKLGGVGIDKILSNITLNELLNYDDVAFRQMGWGA.IQIRRWFKPEAKFIEPAL...VWSQKEGNH   76
NTDB id 626 LCA RS04960 WP 011374694.1   MLTKNQLLLKVHLAAGFGTISELRLAAWL...STSHNWALSALEIAQIARLPERYWPTFQASFQSTTLQRQCIDHEVRTT   77
NTDB id 599 KW2 RS05940 WP 021037268.1   .MITNFDLFRW.KKAGMTNLGVNKLLKFF...RKY.DRKISLRQMGQVAQV..KSIPNFIEQYKNQDV.KKLRADYKKFS   71
NTDB id 525 SMSK321 RS06295 WP 000705298.1 MKITNYEIYKL.KKSGLTNQQILKVLEYG...ENV.DQELLLGDIADISGC..RNPAVFMERYFQIDD.AHLEKEFKKIP   72
NTDB id 267 KZH43 RS05590 WP 000705306.1 MKITNYEIYKL.KKSGLTNQQILKVLEYG...ENV.DQELLLGDIADISGC..RNPAVFMERYFQIDD.AHLSKEFQKFP   72
NTDB id 226 SPD RS05990 WP 000705306.1   MKITNYEIYKL.KKSGLTNQQILKVLEYG...ENV.DQELLLGDIADISGC..RNPAVFMERYFQIDD.AHLSKEFQKFP   72
NTDB id 192 SPR RS05715 WP 000705306.1   MKITNYEIYKL.KKSGLTNQQILKVLEYG...ENV.DQELLLGDIADISGC..RNPAVFMERYFQIDD.AHLSKEFQKFP   72
NTDB id 157 SP RS06205 WP 000705306.1    MKITNYEIYKL.KKSGLTNQQILKVLEYG...ENV.DQELLLGDIADISGC..RNPAVFMERYFQIDD.AHLSKEFQKFP   72
NTDB id 497 SM12261 RS05565 WP 000705318.1 MKITNYEIYKL.KKSGLTNQQVLAVLEYG...ENV.DQELLLGDIAEISGC..RNPAVFMERYFQIDD.AHLEKEFQKFP   72
NTDB id 49469 SALIVA RS05775 WP 014634564.1 ..MNNFELFKL.KAAGLTNLNILNILDYQ...KTQ.DRKLSLRDMAVVSKS..KNAVLFMEKYKSLDI.KQLKEQFERFP   70
NTDB id 407 SMU RS04605 WP 002262865.1   ..MDNFQLFKL.KKAGLTNLNILNIIDYE...ERT.QKSLSLRDMAVVSKN..KKPLIFMEHYKNLDS.KALRKEFNRFP   70
consensus                                *********** ****************   ***  ***************  ****************  ***  *******

logo

NTDB id 1361 HI 0985 AAC22646.1          LVNYFSPFYPFLLKQTASFPPLLFVKGNLTALSQRQMAMVGSRYCTTYGEYWAKHFATELSLAGFTITSGLALGIDGHCH  156
NTDB id 626 LCA RS04960 WP 011374694.1   YLTILDKDYPQRLLETYLPPVLLFYRGDLRLLKQPCLAVVGARQATHYSKQSLEQLLQGLT.A.TTIISGLAQGADAMAH  155
NTDB id 599 KW2 RS05940 WP 021037268.1   SFSILDDLYPERLREIYNPPVLIFYQGNIDLLKNPKLAFVGSRLAGQSGIKSVQKIVTELN.QSFTIVSGLAKGIDTASH  150
NTDB id 525 SMSK321 RS06295 WP 000705298.1 SFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKFPKVAVVGSRSCSKQGAKSVEKIIQGLE.NELVIVSGLAKGIDTAAH  151
NTDB id 267 KZH43 RS05590 WP 000705306.1 SFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKFPKVAVVGSRACSKQGAKSVEKVIQGLE.NELVIVSGLAKGIDTAAH  151
NTDB id 226 SPD RS05990 WP 000705306.1   SFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKFPKVAVVGSRACSKQGAKSVEKVIQGLE.NELVIVSGLAKGIDTAAH  151
NTDB id 192 SPR RS05715 WP 000705306.1   SFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKFPKVAVVGSRACSKQGAKSVEKVIQGLE.NELVIVSGLAKGIDTAAH  151
NTDB id 157 SP RS06205 WP 000705306.1    SFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKFPKVAVVGSRACSKQGAKSVEKVIQGLE.NELVIVSGLAKGIDTAAH  151
NTDB id 497 SM12261 RS05565 WP 000705318.1 SFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKFPKVAVVGSRACSKQGAKSVEKVIQGLE.NELVIVSGLAKGIDTAAH  151
NTDB id 49469 SALIVA RS05775 WP 014634564.1 TLSIFDNEYPIELKHTYNPPVLLYYKGNLDLLSKPKLAVVGARKCSETGKQSVRKIVSELG.NHFTIVSGLARGIDTCAH  149
NTDB id 407 SMU RS04605 WP 002262865.1   SLSILDKEYPLELKNIYNPPVLLFYQGDLDLLARPKLAVVGSRNASQMGVAAVKKIIQDLS.KQFVIISGLARGIDTAAH  149
consensus                                ********!!**!******!*!****!****!*****!*!!*!  ***************!*  ****!*!!!!*!*!***!

logo

NTDB id 1361 HI 0985 AAC22646.1          QAVVNIQGQTIAVLGSGLEQIYPSKHQRLSAQIIENNGALVSEFLPNQAPIAANFPRRNRIISGLSVGTLVVEATEKSGS  236
NTDB id 626 LCA RS04960 WP 011374694.1   EVALQRGLAPIGVIGTGINCSYPPQNEHLQ.QVVAEKGLLLSEYALGTPARRYQFPARNKIIAGLCHSLIVTEARHKSGS  234
NTDB id 599 KW2 RS05940 WP 021037268.1   LSAIKTKTPTIAVIGTGLDIFYPLENRKIQ.EYLAKYQLVLSEYSLGEKPLKYHFPERNRIIAGLSRGVVVVEAKLRSGS  229
NTDB id 525 SMSK321 RS06295 WP 000705298.1 MAALQNGGKTIAVIGTGLDVFYPKANKRLQ.DYISNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRSGS  230
NTDB id 267 KZH43 RS05590 WP 000705306.1 MAALQNGGKTIAVIGTGLDVFYPKANKRLQ.DYIGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRSGS  230
NTDB id 226 SPD RS05990 WP 000705306.1   MAALQNGGKTIAVIGTGLDVFYPKANKRLQ.DYIGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRSGS  230
NTDB id 192 SPR RS05715 WP 000705306.1   MAALQNGGKTIAVIGTGLDVFYPKANKRLQ.DYIGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRSGS  230
NTDB id 157 SP RS06205 WP 000705306.1    MAALQNGGKTIAVIGTGLDVFYPKANKRLQ.DYIGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRSGS  230
NTDB id 497 SM12261 RS05565 WP 000705318.1 MAALQNGGKTIAVIGTGLDVFYPKANKRLQ.DYIGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRSGS  230
NTDB id 49469 SALIVA RS05775 WP 014634564.1 MEALKNKGNTIAVIGTGLDVYYPKENKALQ.DYMTKNHLVLTEYGPGEQPLKYHFPERNRIISGLCQGVMVVEAKLRSGS  228
NTDB id 407 SMU RS04605 WP 002262865.1   LASLKSGGATIAVIGTGLDVHYPKENRRLQ.DYIAKNHLLLSEYEAQSQPLKYHFPERNRIIAGLSQGVMVAEAKIRSGS  228
consensus                                **********!*!*!*!****!!******* ***********!***********!!*!!*!!*!!*****!*!!***!!!
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logo
                                                 LITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDYLAEFEF
                                                 ANLLQANNEYVVRNRRRVENSKVMPLERRTLTNTYQPDIHSQTEIDFDQIAVPNYTPPPDPRRL
NTDB id 1361 HI 0985 AAC22646.1                  LITARYALEGNREVFAVPGNIQNKSSQGCHRLIKQGAMLVENAKDILETLYQHSIHSQTEIDFDQIAVPNYTPPPDPRRL   316
NTDB id 626 LCA RS04960 WP 011374694.1           LITANLALQANRNVYAIPGRIDQSLSQGCNQLIAAGATPLLDKNILIEELRYFD...........................   288
NTDB id 599 KW2 RS05940 WP 021037268.1           LITCERALEEGRDIFAIPGNIADGTSDGCNHLIQQGAKLVYQAQDILEEYLYN...........................   282
NTDB id 525 SMSK321 RS06295 WP 000705298.1       LITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF...........................   282
NTDB id 267 KZH43 RS05590 WP 000705306.1         LITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF...........................   282
NTDB id 226 SPD RS05990 WP 000705306.1           LITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF...........................   282
NTDB id 192 SPR RS05715 WP 000705306.1           LITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF...........................   282
NTDB id 157 SP RS06205 WP 000705306.1            LITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF...........................   282
NTDB id 497 SM12261 RS05565 WP 000705318.1       LITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF...........................   282
NTDB id 49469 SALIVA RS05775 WP 014634564.1      LITCERAMEEGRDVFAIPGNILDGKSDGCHHLIQEGAKCITTGFDILSEFS............................   279
NTDB id 407 SMU RS04605 WP 002262865.1           LITCERAMEEGRDVFVVPGNILDGQSEGCHHLIQEGAKCITSGFDILNEFNF...........................   280
consensus                                        !!!***!****!*****!!*!****!*!!**!!**!!*****************
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logo
                                                 VEAPSHPKLYSRIGYTPVSIDDLAEEFNLSVDVLLVQLLDLELQDLIISENGLYKRV
NTDB id 1361 HI 0985 AAC22646.1                  VEAPSHPKLYSRIGYTPVSIDDLAEEFNLSVDVLLVQLLDLELQDLIISENGLYKRV   373
NTDB id 626 LCA RS04960 WP 011374694.1           ..........................................................   288
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 49469 SALIVA RS05775 WP 014634564.1      ..........................................................   279
NTDB id 407 SMU RS04605 WP 002262865.1           ..........................................................   280
consensus
```

X non conserved

X similar

X $\geq$ 50% conserved