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logo
NTDB id 1361 HI 0985 AAC22646.1          MNDITYTLLRLMQVPKLGGVGIDKILSNITLNELLNYDDVAFRQMGWGAIQI.RRWFKPEAKFIEPAL...VWSQKEGNH   76
NTDB id 1445 BW25113 RS17035 WP 000228551.1 MVD.TEIWLRLMSISSLYGDDMVRIAHW..VAKQSHIDAVVLQQTGLTLRQA.QRFLSFPRKSIESSL...CWLEQPNHH   73
NTDB id 626 LCA RS04960 WP 011374694.1   MLTKNQLLLKVHLAAGFGTISELRLAAWLSTSHN...WALSALEIAQIARLPERYWPTFQASFQSTTLQRQCIDHEVRTT   77
NTDB id 599 KW2 RS05940 WP 021037268.1   .MITNFDLFRW.KKAGMTNLGVNKLLKFFRK.YD...RKISLRQMGQVAQVK..SIPNFIEQYKNQDVK.KLRADYKKFS   71
NTDB id 525 SMSK321 RS06295 WP 000705298.1 MKITNYEIYKL.KKSGLTNQQILKVLEYGEN.VD...QELLLGDIADISGCR..NPAVFMERYFQIDDA.HLEKEFKKIP   72
NTDB id 267 KZH43 RS05590 WP 000705306.1 MKITNYEIYKL.KKSGLTNQQILKVLEYGEN.VD...QELLLGDIADISGCR..NPAVFMERYFQIDDA.HLSKEFQKFP   72
NTDB id 226 SPD RS05990 WP 000705306.1   MKITNYEIYKL.KKSGLTNQQILKVLEYGEN.VD...QELLLGDIADISGCR..NPAVFMERYFQIDDA.HLSKEFQKFP   72
NTDB id 192 SPR RS05715 WP 000705306.1   MKITNYEIYKL.KKSGLTNQQILKVLEYGEN.VD...QELLLGDIADISGCR..NPAVFMERYFQIDDA.HLSKEFQKFP   72
NTDB id 157 SP RS06205 WP 000705306.1    MKITNYEIYKL.KKSGLTNQQILKVLEYGEN.VD...QELLLGDIADISGCR..NPAVFMERYFQIDDA.HLSKEFQKFP   72
NTDB id 497 SM12261 RS05565 WP 000705318.1 MKITNYEIYKL.KKSGLTNQQVLAVLEYGEN.VD...QELLLGDIAEISGCR..NPAVFMERYFQIDDA.HLEKEFQKFP   72
NTDB id 93540 AMM49 RS05345 WP 001015250.1 ..MNHFELFKL.KKAGLTNLNINNIINYLKKNSL...TSLLSVRNMAVVSKCK..NPTFFIENYKQLDLK.KLRQEFKKFP   71
NTDB id 407 SMU RS04605 WP 002262865.1   ..MDNFQLFKL.KKAGLTNLNILNIIDYEER.TQ...KSLSLRDMAVVSKNK..KPLIFMEHYKNLDSK.ALRKEFNRFP   70
consensus                                * ********* ******* ******** *   *    **** *** ** **  ** ****** ***    * *** ***
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logo
NTDB id 1361 HI 0985 AAC22646.1          LVNYFSPFYPFLLKQTASFPPLLFVKGNLTALSQRQMAMVGSRYCTTYGEYWAKHFATELSLAGFTITSGLALGIDGHCH  156
NTDB id 1445 BW25113 RS17035 WP 000228551.1 LIPADSEFYPPQLLATTDYPGALFVEGELHALHSFQLAVVGSRAHSWYGERWGRLFCETLATRGVTITSGLARGIDGVAH  153
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 93540 AMM49 RS05345 WP 001015250.1 VLSILDSNYPLELKEIYNPPVLLFYQGNIELLSKPKLAVVGARQASQIGCQSVKKIIKETN.NQFVIVSGLARGIDTAAH  150
NTDB id 407 SMU RS04605 WP 002262865.1   SLSILDKEYPLELKNIYNPPVLLFYQGDLDLLARPKLAVVGSRNASQMGVAAVKKIIQDLS.KQFVIISGLARGIDTAAH  149
consensus                                ******* !!**! **** !***!**!****!* ***!*!!*! **  * **********  * **!*!!!!*!*!***!
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logo
NTDB id 1361 HI 0985 AAC22646.1          QAVVNIQGQTIAVLGSGLEQIYPSKHQRLSAQIIENNGALVSEFLPNQAPIAANFPRRNRIISGLSVGTLVVEATEKSGS  236
NTDB id 1445 BW25113 RS17035 WP 000228551.1 KAALQVNGVSIAVLGNGLNTIHPRRHARLAASLLEQGGALVSEFPLDVPPLAYNFPRRNRIISGLSKGVLVVEAALRSGS  233
NTDB id 626 LCA RS04960 WP 011374694.1   EVALQRGLAPIGVIGTGINCSYPPQNEHLQQ.VVAEKGLLLSEYALGTPARRYQFPARNKIIAGLCHSLIVTEARHKSGS  234
NTDB id 599 KW2 RS05940 WP 021037268.1   LSAIKTKTPTIAVIGTGLDIFYPLENRKIQE.YLAKYQLVLSEYSLGEKPLKYHFPERNRIIAGLSRGVVVVEAKLRSGS  229
NTDB id 525 SMSK321 RS06295 WP 000705298.1 MAALQNGGKTIAVIGTGLDVFYPKANKRLQD.YISNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRSGS  230
NTDB id 267 KZH43 RS05590 WP 000705306.1 MAALQNGGKTIAVIGTGLDVFYPKANKRLQD.YIGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRSGS  230
NTDB id 226 SPD RS05990 WP 000705306.1   MAALQNGGKTIAVIGTGLDVFYPKANKRLQD.YIGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRSGS  230
NTDB id 192 SPR RS05715 WP 000705306.1   MAALQNGGKTIAVIGTGLDVFYPKANKRLQD.YIGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRSGS  230
NTDB id 157 SP RS06205 WP 000705306.1    MAALQNGGKTIAVIGTGLDVFYPKANKRLQD.YIGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRSGS  230
NTDB id 497 SM12261 RS05565 WP 000705318.1 MAALQNGGKTIAVIGTGLDVFYPKANKRLQD.YIGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRSGS  230
NTDB id 93540 AMM49 RS05345 WP 001015250.1 VSALKNGGSSIAVIGSGLDVYYPTENKKLQE.YMSYNHLVLSEYFTGEQPLKFHFPERNRIIAGLCQGIVVAEAKMRSGS  229
NTDB id 407 SMU RS04605 WP 002262865.1   LASLKSGGATIAVIGTGLDVHYPKENRRLQD.YIAKNHLLLSEYEAQSQPLKYHFPERNRIIAGLSQGVMVAEAKIRSGS  228
consensus                                ******** *!*!*!*!*****!* ****** **** ****!!************!!*!!*!!*!!*****!*!!***!!!
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logo

NTDB id 1361 HI 0985 AAC22646.1              LITARYALEQNREVFAVPGNIQNKSSQGCHRLIKQGAMLVENAKDILETLYQHSIHSQTEIDFDQIAVPNYTPPPDPRRL   316
NTDB id 1445 BW25113 RS17035 WP 000228551.1  LVTARCALEQGREVFALPGPIGNPGSEGPHWLIKQGAILVTEPEEILENLQFG.LHWLPDAPEN....SFYSP....DQQ   304
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 93540 AMM49 RS05345 WP 001015250.1   LITCERALEEGREVFAIPGNIIDGKSDGCHHLIQEGAKCIISGKDILSEYQ.............................   280
NTDB id 407 SMU RS04605 WP 002262865.1       LITCERAMEEGRDVFVVPGNILDGQSEGCHHLIQEGAKCITSGFDILNEFNF...........................   280
consensus                                    !*!***!****!*****!! !****!*!***!!**!!********** ** *

logo

NTDB id 1361 HI 0985 AAC22646.1              VEAPSHPKLYSRIGYTPVSIDDLAEEFNLSVDVLLVQLLDLELQDLIISENGLYKRV.............   373
NTDB id 1445 BW25113 RS17035 WP 000228551.1  DVALPFPELLANVGDEVTPVDVVAERAGQPVPEVVTQLLELELAGWIAAVPGGYVRLRRACHVRRTNVFV   374
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 93540 AMM49 RS05345 WP 001015250.1   ..........................................................................   280
NTDB id 407 SMU RS04605 WP 002262865.1       ..........................................................................   280
consensus
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X non conserved

X similar

X $\geq$ 50% conserved