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logo
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NTDB id 1361 HI 0985 AAC22646.1                MNDITYTLLRLMQVPKLGGVGIDKILSNITLNELLNYDDVAFRQMGWGAIQIRRWFKPEAKFIEPALVWSQK......EG   74
NTDB id 599 KW2 RS05940 WP 021037268.1         .MITNFDLFRW......KKAG....MTNLGVNKLLKFFRKYDRKISLRQMGQVAQVKSIPNFIEQYKNQDVKKLRADYKK   69
NTDB id 407 SMU RS04605 WP 002262865.1         ..MDNFQLFKL......KKAG....LTNLNILNIIDYEERTQKSLSLRDMAVVSKNKKPLIFMEHYKNLDSKALRKEFNR   68
NTDB id 525 SMSK321 RS06295 WP 000705298.1     MKITNYEIYKL......KKSG....LTNQQILKVLEYGENVDQELLLGDIADISGCRNPAVFMERYFQIDDAHLEKEFKK   70
NTDB id 1170368 ACLV7D RS04710 WP 164226200.1 MKITNYEIYKL......KKSG....LTNQQVLKVLEYGENFDQELLLGDIADISGCRNPAVFMERYFQIDDAHLEKEFQK   70
NTDB id 267 KZH43 RS05590 WP 000705306.1       MKITNYEIYKL......KKSG....LTNQQILKVLEYGENVDQELLLGDIADISGCRNPAVFMERYFQIDDAHLSKEFQK   70
NTDB id 226 SPD RS05990 WP 000705306.1         MKITNYEIYKL......KKSG....LTNQQILKVLEYGENVDQELLLGDIADISGCRNPAVFMERYFQIDDAHLSKEFQK   70
NTDB id 192 SPR RS05715 WP 000705306.1         MKITNYEIYKL......KKSG....LTNQQILKVLEYGENVDQELLLGDIADISGCRNPAVFMERYFQIDDAHLSKEFQK   70
NTDB id 157 SP RS06205 WP 000705306.1          MKITNYEIYKL......KKSG....LTNQQILKVLEYGENVDQELLLGDIADISGCRNPAVFMERYFQIDDAHLSKEFQK   70
NTDB id 497 SM12261 RS05565 WP 000705318.1     MKITNYEIYKL......KKSG....LTNQQVLAVLEYGENVDQELLLGDIAEISGCRNPAVFMERYFQIDDAHLEKEFQK   70
consensus                                      ***********      ***!    **!*****************************!*!**********  *****
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NTDB id 1361 HI 0985 AAC22646.1                NHLVNYFSPFYPFLLKQTASFPPLLFVKGNLTALSQRQMAMVGSRYCTTYCEYWAKHFATELSLAGFTITSGLALGIDGH   154
NTDB id 599 KW2 RS05940 WP 021037268.1         FSSFSILDDLYPERLREIYNPPVLIFYQGNIDLLKNPKLAFVGSRLAGQSGIKSVQKIVTELN.QSFTIVSGLAKGIDTA   148
NTDB id 407 SMU RS04605 WP 002262865.1         FPSLSILDKEYPLELKNIYNPPVLLFYQGDLDLLARPKLAVVGSRNASQMGVAAVKKIIQDLS.KQFVIISGLARGIDTA   147
NTDB id 525 SMSK321 RS06295 WP 000705298.1     IPSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKFPKVAVVGSRSCSKQGAKSVEKIIQGLE.NELVIVSGLAKGIDTA   149
NTDB id 1170368 ACLV7D RS04710 WP 164226200.1 FPSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKFPKVAVVGSRACSKQGAKSVEKVIQGLE.NELVIVSGLAKGIDTA   149
NTDB id 267 KZH43 RS05590 WP 000705306.1       FPSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKFPKVAVVGSRACSKQGAKSVEKVIQGLE.NELVIVSGLAKGIDTA   149
NTDB id 226 SPD RS05990 WP 000705306.1         FPSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKFPKVAVVGSRACSKQGAKSVEKVIQGLE.NELVIVSGLAKGIDTA   149
NTDB id 192 SPR RS05715 WP 000705306.1         FPSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKFPKVAVVGSRACSKQGAKSVEKVIQGLE.NELVIVSGLAKGIDTA   149
NTDB id 157 SP RS06205 WP 000705306.1          FPSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKFPKVAVVGSRACSKQGAKSVEKVIQGLE.NELVIVSGLAKGIDTA   149
NTDB id 497 SM12261 RS05565 WP 000705318.1     FPSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKFPKVAVVGSRACSKQGAKSVEKVIQGLE.NELVIVSGLAKGIDTA   149
consensus                                      **********!!**!******!*!*!**!****!*****!*!!!!*****!**********!* ****!*!!!!*!!!**
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logo
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NTDB id 1361 HI 0985 AAC22646.1                CHQAVVNIQGQTIAVLGSGLEQIYPSKHQRLSAQIIENNGALVSEFLPNQAPIAANFPRRNRIISGLSVGTLVVEATEKS   234
NTDB id 599 KW2 RS05940 WP 021037268.1         SHLSAIKTKTPTIAVIGTGLDIFYPLENRKIQEY.LAKYQLVLSEYSLGEKPLKYHFPERNRIIAGLSRGVVVVEAKLRS   227
NTDB id 407 SMU RS04605 WP 002262865.1         AHLASLKSGGATIAVIGTGLDVHYPKENRRLQDY.IAKNHLLLSEYEAQSQPLKYHFPERNRIIAGLSQGVMVAEAKIRS   226
NTDB id 525 SMSK321 RS06295 WP 000705298.1     AHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDY.ISNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRS   228
NTDB id 1170368 ACLV7D RS04710 WP 164226200.1 AHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDY.IGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRS   228
NTDB id 267 KZH43 RS05590 WP 000705306.1       AHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDY.IGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRS   228
NTDB id 226 SPD RS05990 WP 000705306.1         AHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDY.IGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRS   228
NTDB id 192 SPR RS05715 WP 000705306.1         AHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDY.IGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRS   228
NTDB id 157 SP RS06205 WP 000705306.1          AHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDY.IGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRS   228
NTDB id 497 SM12261 RS05565 WP 000705318.1     AHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDY.IGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRS   228
consensus                                      *!********!!!!*!*!!***!!********* ********!!******!****!!*!!!!!*!!**!**!*!!***!
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logo
                                                  GSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEEEF
                                                                  ARY ALEQNREVFAVPGNIQNKSSQGCHRLIKQGAMLVENAKDILETLYQHSIHSQTEIDFDQIAVPNYTPPPDPR
NTDB id 1361 HI 0985 AAC22646.1                   GSLITARYALEQNREVFAVPGNIQNKSSQGCHRLIKQGAMLVENAKDILETLYQHSIHSQTEIDFDQIAVPNYTPPPDPR   314
NTDB id 599 KW2 RS05940 WP 021037268.1            GSLITCERALEEGRDIFAIPGNIADGTSDGCNHLIQQGAKLVYQAQDILEEYLYN.........................   282
NTDB id 407 SMU RS04605 WP 002262865.1            GSLITCERAMEEGRDVFVVPGNILDGQSEGCHHLIQEGAKCITSGFDILNEFNF.........................   280
NTDB id 525 SMSK321 RS06295 WP 000705298.1        GSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF.........................   282
NTDB id 1170368 ACLV7D RS04710 WP 164226200.1     GSLITCERAMEGGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF.........................   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
consensus                                         !!!!!***!*!**!**!**!!*!****!*!!**!!**!!*******!*!*****
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logo
                                                  RLVEAPSHPKLYSRIGYTPVSIDDLAEEFNLSVDVLLVQLLDLELQDLIISENGLYKRV
NTDB id 1361 HI 0985 AAC22646.1                   RLVEAPSHPKLYSRIGYTPVSIDDLAEEFNLSVDVLLVQLLDLELQDLIISENGLYKRV   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 1170368 ACLV7D RS04710 WP 164226200.1     ............................................................   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
```

X non conserved
X similar
X $\geq$ 50% conserved