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logo
NTDB id 599 KW2 RS05940 WP 021037268.1        .....MITNFDLF......RWKKAG....MTNLGVNKLLKFFRKYDRKISLRQMGQVAQVKSIPNFIEQYKNQDVKKLRA   65
NTDB id 407 SMU RS04605 WP 002262865.1        ......MDNFQLF......KLKKAG....LTNLNILNIIDYEERTQKSLSLRDMAVVSKNKKPLIFMEHYKNLDSKALRK   64
NTDB id 247853 CO686 RS03900 WP 096753540.1   ....MKITNYEIY......KLRKAG....LSNQQILTVLEYDETVDQELLLGDIAELSGCRNPAVFMERYFQIDDAQLEK   66
NTDB id 525 SMSK321 RS06295 WP 000705298.1    ....MKITNYEIY......KLKKSG....LTNQQILKVLEYGENVDQELLLGDIADISGCRNPAVFMERYFQIDDAHLEK   66
NTDB id 497 SM12261 RS05565 WP 000705318.1    ....MKITNYEIY......KLKKSG....LTNQQVLAVLEYGENVDQELLLGDIAEISGCRNPAVFMERYFQIDDAHLEK   66
NTDB id 267 KZH43 RS05590 WP 000705306.1      ....MKITNYEIY......KLKKSG....LTNQQILKVLEYGENVDQELLLGDIADISGCRNPAVFMERYFQIDDAHLSK   66
NTDB id 226 SPD RS05990 WP 000705306.1        ....MKITNYEIY......KLKKSG....LTNQQILKVLEYGENVDQELLLGDIADISGCRNPAVFMERYFQIDDAHLSK   66
NTDB id 192 SPR RS05715 WP 000705306.1        ....MKITNYEIY......KLKKSG....LTNQQILKVLEYGENVDQELLLGDIADISGCRNPAVFMERYFQIDDAHLSK   66
NTDB id 157 SP RS06205 WP 000705306.1         ....MKITNYEIY......KLKKSG....LTNQQILKVLEYGENVDQELLLGDIADISGCRNPAVFMERYFQIDDAHLSK   66
NTDB id 1361 HI 0985 AAC22646.1               ....MNDITYTLLRLMQVPKLGGVGIDKILSNITLNELLNYDDVAFRQMGWGAIQI...........RRWFKP....EAK   61
NTDB id 1021 ACIAD RS00975 WP 004930462.1     MITILSSHHYHTIKVWYVLQHSLSGFKKLIHYFGDCET...ALQPQRLSDWQKLGLH......ANHLKRLEEVHTLQGQQ   71
consensus                                         *********      *****!    ***********************************************  *

logo
NTDB id 599 KW2 RS05940 WP 021037268.1        DY.......KKF..SSFSILDDLYPERLREIYNPPVLIFYQGNIDLLKNPKLAFVGSRLAGQSGIKSVQKIVTELN.QSF   135
NTDB id 407 SMU RS04605 WP 002262865.1        EF.......NRF..PSLSILDKEYPLELKNIYNPPVLLFYQGDLDLLARPKLAVVGSRNASQMGVAAVKKIIQDLS.KQF   134
NTDB id 247853 CO686 RS03900 WP 096753540.1   EF.......QKF..PSFSILDDCYPWDLSEIYDAPALLFYKGNLDLLKFPKVAVVGSRSCSSQGAKSVQKVIQGLE.NEL   136
NTDB id 525 SMSK321 RS06295 WP 000705298.1    EF.......KKI..PSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKFPKVAVVGSRSCSKQGAKSVEKIIQGLE.NEL   136
NTDB id 497 SM12261 RS05565 WP 000705318.1    EF.......QKF..PSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKFPKVAVVGSRACSKQGAKSVEKVIQGLE.NEL   136
NTDB id 267 KZH43 RS05590 WP 000705306.1      EF.......QKF..PSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKFPKVAVVGSRACSKQGAKSVEKVIQGLE.NEL   136
NTDB id 226 SPD RS05990 WP 000705306.1        EF.......QKF..PSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKFPKVAVVGSRACSKQGAKSVEKVIQGLE.NEL   136
NTDB id 192 SPR RS05715 WP 000705306.1        EF.......QKF..PSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKFPKVAVVGSRACSKQGAKSVEKVIQGLE.NEL   136
NTDB id 157 SP RS06205 WP 000705306.1         EF.......QKF..PSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKFPKVAVVGSRACSKQGAKSVEKVIQGLE.NEL   136
NTDB id 1361 HI 0985 AAC22646.1               FIEPALVWSQKEGNHLVNYFSPFYPFLLKQTASFPPLLFVKGNLTALSQRQMAMVGSRYCTTYGEYWAKHFATELSLAGF   141
NTDB id 1021 ACIAD RS00975 WP 004930462.1     QFEKMLAQLQTHTDFIVTPDDPAYPSQLIPYQDRPPILFGQGSIQSLIQPQIAVVGSRKPSPHGRQVAYDFSYFLSEKGF   151
consensus                                     **        ***  *********!!**!******!***!**!****!*****!*!!!!  ****!***********!* ***

logo
NTDB id 599 KW2 RS05940 WP 021037268.1        TIVSGLAKGIDTASHLSAIKTKTPTIAVIGTGLDIFYPLENRKIQEYLA.KYQLVLSEYSLGEKPLKYHFPERNRIIAGL   214
NTDB id 407 SMU RS04605 WP 002262865.1        VIISGLARGIDTAAHLASLKSGGATIAVIGTGLDVHYPKENRRLQDYIA.KNHLLLSEYEAQSQPLKYHFPERNRIIAGL   213
NTDB id 247853 CO686 RS03900 WP 096753540.1   IVVSGLAKGIDTAAHMAALQNGGRTIAVIGTGLDVFYPRANKRLQEHIG.NHHLVLSEYGPGEEPLKFHFPARNRIIAGL   215
NTDB id 525 SMSK321 RS06295 WP 000705298.1    VIVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYIS.NDHLVLSEYGPGEQPLKFHFPARNRIIAGL   215
NTDB id 497 SM12261 RS05565 WP 000705318.1    VIVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYIG.NDHLVLSEYGPGEQPLKFHFPARNRIIAGL   215
NTDB id 267 KZH43 RS05590 WP 000705306.1      VIVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYIG.NDHLVLSEYGPGEQPLKFHFPARNRIIAGL   215
NTDB id 226 SPD RS05990 WP 000705306.1        VIVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYIG.NDHLVLSEYGPGEQPLKFHFPARNRIIAGL   215
NTDB id 192 SPR RS05715 WP 000705306.1        VIVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYIG.NDHLVLSEYGPGEQPLKFHFPARNRIIAGL   215
NTDB id 157 SP RS06205 WP 000705306.1         VIVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYIG.NDHLVLSEYGPGEQPLKFHFPARNRIIAGL   215
NTDB id 1361 HI 0985 AAC22646.1               TITSGLALGIDGHCHQAVVNIQGQTIAVLGSGLEQIYPSKHQRLSAQIIENNGALVSEFLPNQAPIAANFPRRNRIISGL   221
NTDB id 1021 ACIAD RS00975 WP 004930462.1     YITSGLAHGIDEAAHQGSL.VHHRAIAVVGTGLDLCYPSGNKALKQHIRDQGGAIVSEFLPGTPPLQAHFPRRNRIVSGL   230
consensus                                     ***!!!!*!!!***!*********!!!*!*!!***!!***********  ******!!******!****!!*!!!!**!!
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logo

NTDB id 599 KW2 RS05940 WP 021037268.1        SRGVVVVEAKLRSGSLITCERALEEGRDIFAIPGNIADGTSDGCNHLIQQGAKLVYQAQDILEEYLYN............   282
NTDB id 407 SMU RS04605 WP 002262865.1        SQGVMVAEAKIRSGSLITCERAMEEGRDVFVVPGNILDGQSEGCHHLIQEGAKCITSGFDILNEFNF.............   280
NTDB id 247853 CO686 RS03900 WP 096753540.1   CRGVIVAEARMRSGSLITCERAMEEGRDVFAIPGNILDGHSDGCHHLIQEGAKLISSGQDVLAEFEF.............   282
NTDB id 525 SMSK321 RS06295 WP 000705298.1    CRGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF.............   282
NTDB id 497 SM12261 RS05565 WP 000705318.1    CRGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF.............   282
NTDB id 267 KZH43 RS05590 WP 000705306.1      CRGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF.............   282
NTDB id 226 SPD RS05990 WP 000705306.1        CRGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF.............   282
NTDB id 192 SPR RS05715 WP 000705306.1        CRGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF.............   282
NTDB id 157 SP RS06205 WP 000705306.1         CRGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF.............   282
NTDB id 1361 HI 0985 AAC22646.1               SVGTLVVEATEKSGSLITARYALEQNREVFAVPGNIQNKSSQGCHRLIKQGAMLVENAKDILETLYQHSI.HSQTEIDFD   300
NTDB id 1021 ACIAD RS00975 WP 004930462.1     SLGVLVVEATLKSGSLITANKAAEQGKVVFAIPGHIYSEFHQGCHQLIREGAILVDHPEQIIEDLALPTHWHSQSTAS.G   309
consensus                                     **!**!*!!***!!!!!!***!*!*****!**!!*!******!!**!!**!!**************

logo

NTDB id 599 KW2 RS05940 WP 021037268.1        ..................................................................................   282
NTDB id 407 SMU RS04605 WP 002262865.1        ..................................................................................   280
NTDB id 247853 CO686 RS03900 WP 096753540.1   ..................................................................................   282
NTDB id 525 SMSK321 RS06295 WP 000705298.1    ..................................................................................   282
NTDB id 497 SM12261 RS05565 WP 000705318.1    ..................................................................................   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 1361 HI 0985 AAC22646.1               QIAVPNYTPPPDPRRLVEAPSHPKLYSRIGYTPVSIDDLAEEFNLSVDVLLVQLLDLELQDLIISENGLYKRV....   373
NTDB id 1021 ACIAD RS00975 WP 004930462.1     EANADD.SGKTDDA..DLPDDLLPLYQLLDWQGQDLDQLAQHYQGSTAELTAQLMELELLGVCIQQSGRYLRCRSPY   383
consensus
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X non conserved

X similar

X ≥ 50% conserved