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logo
NTDB id 146 SP RS08570 WP 000614538.1          MIQIGKIFAGRYRIVKQIGRGGMADVYLAKDLILDGEEVAVKVLRTNYQTDPIAVARFQREARAMADLDHPHIVRITDIG   80
NTDB id 216 SPD RS08205 WP 000614552.1         MIQIGKIFAGRYRIVKQIGRGGMADVYLAKDLILDGEEVAVKVLRTNYQTDPIAVARFQREARAMADLDHPHIVRITDIG   80
NTDB id 182 SPR RS07820 WP 000614552.1         MIQIGKIFAGRYRIVKQIGRGGMADVYLAKDLILDGEEVAVKVLRTNYQTDPIAVARFQREARAMADLDHPHIVRITDIG   80
NTDB id 257 KZH43 RS07655 WP 220041236.1       MIQIGKIFAGRYRIVKQIGRGGMADVYLAKDLILDGEEVAVKVLRTNYQTDPIAVARFQREARAMADLDHPHIVRITDIG   80
NTDB id 467 HSISS4 RS06915 WP 021143821.1      MIQVGKLFAGRYRILKSIGRGGMADVYLANDLILDNEEVAIKVLRTNYQTDQVAVARFQREARAMAELSHPNIVAIRDIG   80
NTDB id 400600 GJS34 RS08190 WP 138119682.1    MIQIGKLFAGRYRILKSIGRGGMADVYLANDLILDNEDVAIKVLRTNYQTDQVAVARFQREARAMAELNHPNIVAIRDIG   80
NTDB id 384 SMU RS02325 WP 002263039.1         MIQIGKLFAGRYRILQSIGRGGMADVYLANDLILDNEEVAIKVLRTNYQTDQVAVTRFQREARAMAELNHPNIVAIRDIG   80
consensus                                      !!!*!!*!!!!!!!***!!!!!!!!!!!!!*!!!!!*!*!!*!!!!!!!!!!!**!!*!!!!!!!!!!*!*!!*!!*!*!!!
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logo
NTDB id 146 SP RS08570 WP 000614538.1          EEDGQQYLAMEYVAGLDLKRYIKEHYPLSNEEAVRIMGQILLAMRLAHTRGIVHRDLKPQNILLTPDGTAKVTDFGIAVA  160
NTDB id 216 SPD RS08205 WP 000614552.1         EEDGQQYLAMEYVAGLDLKRYIKEHYPLSNEEAVRIMGQILLAMRLAHTRGIVHRDLKPQNILLTPDGTAKVTDFGIAVA  160
NTDB id 182 SPR RS07820 WP 000614552.1         EEDGQQYLAMEYVAGLDLKRYIKEHYPLSNEEAVRIMGQILLAMRLAHTRGIVHRDLKPQNILLTPDGTAKVTDFGIAVA  160
NTDB id 257 KZH43 RS07655 WP 220041236.1       EEDGQQYLAMEYVAGLDLKRYTKEHYPLSNEEAVRIMGQILLAMRLAHTRGIVHRDLKPQNILLTPDGTAKVTDFGIAVA  160
NTDB id 467 HSISS4 RS06915 WP 021143821.1      EEDGQQFLVMEYVDGSDLKKYIQDHAPLSNQDVVRIMGEVLSAMTLAHQKGIIHRDLKPQNVLLTKDGTAKVTDFGIAVA  160
NTDB id 400600 GJS34 RS08190 WP 138119682.1    EEDGQQFLVMEYVDGSDLKKYIQDHAPLSNNEVVRIMEEVLSAMTLAHQKGIVHRDLKPQNILLTKSGVVKVTDFGIAVA  160
NTDB id 384 SMU RS02325 WP 002263039.1         EEDGQQFLAMEYVDGADLKKYIQDHAPLSNAEVIRIMKEVLSAMTLAHQKGIIHRDLKPQNVLLTKDGTAKVTDFGIAVA  160
consensus                                      !!!!!!*!*!!!!*!*!!!*!***!*!!!!*****!!!***!*!!*!!!**!!*!!!!!!!!*!!!**!**!!!!!!!!!!
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logo
NTDB id 146 SP RS08570 WP 000614538.1          FAETSLTQTNSMLGSVHYLSPEQARGSKATVQSDIYAMGIIFYEMLTGHIPYDGDSAVTIALQHFQKPLPSVIAENPSVP  240
NTDB id 216 SPD RS08205 WP 000614552.1         FAETSLTQTNSMLGSVHYLSPEQARGSKATVQSDIYAMGIIFYEMLTGHIPYDGDSAVTIALQHFQNPLPSVIAENSSVP  240
NTDB id 182 SPR RS07820 WP 000614552.1         FAETSLTQTNSMLGSVHYLSPEQARGSKATVQSDIYAMGIIFYEMLTGHIPYDGDSAVTIALQHFQNPLPSVIAENSSVP  240
NTDB id 257 KZH43 RS07655 WP 220041236.1       FAETSLTQTNSMLGSVHYLSPEQARGSKATVQSDIYAMGIIFYEMLTGHIPYDGDSAVTIALQHFQNPLPSVIAENSSVP  240
NTDB id 467 HSISS4 RS06915 WP 021143821.1      FAETSLTQTNSMLGSVHYLSPEQARGSKATIQSDIYAMGIMLFEMLTGHIPYDGDSAVTIALQHFQKPLPSILAENRNVP  240
NTDB id 400600 GJS34 RS08190 WP 138119682.1    FAETSLTQTNSMLGSVHYLSPEQARGSKATIQSDIYAMGIMLFEMLTGHIPYDGDSAVTIALQHFQKPLPSIIDENPNVP  240
NTDB id 384 SMU RS02325 WP 002263039.1         FAETSLTQTNSMLGSVHYLSPEQARGSKATVQSDIYAMGIMLFEMLTGHIPYDGDSAVTIALQHFQKPLPSIIAENKNVP  240
consensus                                      !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
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logo
NTDB id 146 SP RS08570 WP 000614538.1          QALENVIIKATAKKLTNRYRSVSEMYVDLSSSLSYNRRNESKLIFDETSKADTKTLPKVSQSTLTSIPKVQAQTEHKSI.  319
NTDB id 216 SPD RS08205 WP 000614552.1         QALENVIIKATAKKLTNRYRSVSEMYVDLSSSLSYNRRNESKLIFDETSKADTKTLPKVSQSTLTSIPKVQAQTEHKSI.  319
NTDB id 182 SPR RS07820 WP 000614552.1         QALENVIIKATAKKLTNRYRSVSEMYVDLSSSLSYNRRNESKLIFDETSKADTKTLPKVSQSTLTSIPKVQAQTEHKSI.  319
NTDB id 257 KZH43 RS07655 WP 220041236.1       QALENVIIKATAKKLTNRYRSVSEMYVDLSSSLSYNRRNESKLIFDETSKADTKTLPKVSQSTLTSIPKVQAQTEHKSI.  319
NTDB id 467 HSISS4 RS06915 WP 021143821.1      QALENVVIRATAKKLENRYNSTLEMSRDLVTSLHPSHRRDAKVVFDDMT..DTKTLPKVDPVPSASLEKKAVAAEPSEP.  317
NTDB id 400600 GJS34 RS08190 WP 138119682.1    QALENVVIRATAKKLSDRYRSTFEMSRDLMTALSYNRSRERKVIFDDVE..STKPLPKVTPAPITAPKVSAASQASGAAD  318
NTDB id 384 SMU RS02325 WP 002263039.1         QALENVVIKATAKRLTDRYHSTQEMLQDLRTSLQPNRSRERKLVFSDAS..DTKPLPKLEQAAANSLAAQSLKNKTSNQD  318
consensus                                      !!!!!!*!*!!!!*!**!!*!**!!**!!***!********!**!*******!!*!!!*********************
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logo

NTDB id 146 SP RS08570 WP 000614538.1        KNPSQAVTEE..TYQPQAPKKHRFKMRYLILLASLVLV.AASLIWILSRTPATIAIPDVAGQTVAEAKATLKKANFEIGE   396
NTDB id 216 SPD RS08205 WP 000614552.1       KNPSQAVTEE..TYQPQAPKKHRFKMRYLILLASLVLV.AASLIWILSRTPATIAIPDVAGQTVAEAKATLKKANFEIGE   396
NTDB id 182 SPR RS07820 WP 000614552.1       KNPSQAVTEE..TYQPQAPKKHRFKMRYLILLASLVLV.AASLIWILSRTPATIAIPDVAGQTVAEAKATLKKANFEIGE   396
NTDB id 257 KZH43 RS07655 WP 220041236.1     KNPSQAVTEE..TYQPQAPKKHRFKMRYLILLASLVLV.AASLIWILSRTPATIAIPDVAGQTVAEAKATLKKANFEIGE   396
NTDB id 467 HSISS4 RS06915 WP 021143821.1    .TPAPSKQPRKKTTPAKKKKKNFFSTLLKVFLGLVFIGIIIFAYLVFTNPDNVQVPNVVGQELSTAQTKIEGAGFKVGE   396
NTDB id 400600 GJS34 RS08190 WP 138119682.1 TRPEQTSQMDTLQKPQKKKKNGRFLGTLLKILFSFFVVGVALFAYLVLTKPTTVKVPDVTGSSLNAAKQVLEEAGLKVGK   398
NTDB id 384 SMU RS02325 WP 002263039.1       .KVDHKSKPKT.KPQPKPKKKRHFLARFFKIFFILVAIGIAVLTYLVLTKPSTVSVPDVSGDKLSTAKMIIRKSGLKVGD   396
consensus                                    **********  *******!***!************** ***********!*****!*!*!*****!***********!*

logo

NTDB id 146 SP RS08570 WP 000614538.1        EKTEASEKVEEGRIIRTDPGAGTGRKEGTKINLVVSSGKQSFQISNYVGRKSSDVIAELKEK.KVPDNLIKIEEEESNES   475
NTDB id 216 SPD RS08205 WP 000614552.1       EKTEASEKVEEGRIIRTDPGAGTGRKEGTKINLVVSSGKQSFQISNYVGRKSSDVIAELKEK.KVPDNLIKIEEEESNES   475
NTDB id 182 SPR RS07820 WP 000614552.1       EKTEASEKVEEGRIIRTDPGAGTGRKEGTKINLVVSSGKQSFQISNYVGRKSSDVIAELKEK.KVPDNLIKIEEEESNES   475
NTDB id 257 KZH43 RS07655 WP 220041236.1     EKTEASEKVEEGRIIRTDPGAGTGRKEGTKINLVVSSGKQSFQISNYVGRKSSDVIAELKEK.KVPDNLIKIEEEESNES   475
NTDB id 467 HSISS4 RS06915 WP 021143821.1    VKEVEDDSVDTGKVIKTDPTAGTTRKEGSSIDVYVSSGSKGFALKDYKGKNYKDAIEDLTSNFGVSEDQIDIQHVEDDSA   476
NTDB id 400600 GJS34 RS08190 WP 138119682.1 VHQIESDTVSEDQVVKTNPQAGSAKRKGSSVDLYLSIGNKGFEMENYKGQDYQDVMTSLTETYGVPKSKIKIERIVTNEY   478
NTDB id 384 SMU RS02325 WP 002263039.1       VQKIEDDNVGAGKVVRTNPSAGSKKREGSSVDIFVA.SAKGFKMEDYTGQDYKDAIDNLTNNYGVSRDSIVLKEVSSDDY   475
consensus                                    ********!*******!*!*!!*****!**************!****!*!****!****!***  *!****!*********

logo

NTDB id 146 SP RS08570 WP 000614538.1        EAGTVLKQSLPEGTTYDLSKA.TQIVLTVAKKATTIQLGNYIGRNSTEVISELKQKKVPENLIKIEEEE..........S   544
NTDB id 216 SPD RS08205 WP 000614552.1       EAGTVLKQSLPEGTTYDLSKA.TQIVLTVAKKATTIQLGNYIGRNSTEVISELKQKKVPENLIKIEEEE..........S   544
NTDB id 182 SPR RS07820 WP 000614552.1       EAGTVLKQSLPEGTTYDLSKA.TQIVLTVAKKATTIQLGNYIGRNSTEVISELKQKKVPENLIKIEEEE..........S   544
NTDB id 257 KZH43 RS07655 WP 220041236.1     EAGTVLKQSLPEGTTYDLSKA.TQIVLTVAKKATTIQLGNYIGRNSTEVISELKQKKVPENLIKIEEEE..........S   544
NTDB id 467 HSISS4 RS06915 WP 021143821.1    EEGEILSQSPGKNKSFNPKDSKAKIKFRVATPK.IVTMPDVTGLTVSTAVQTLNRKNISSSSIEYHDYNTGAK..LDKAK   553
NTDB id 400600 GJS34 RS08190 WP 138119682.1 PENTVISQSPSAGEKFNPAG.KSKITLSVAVGD.TVIMPMVTEYSYADAVNTLTALGIDAARIKAYTPSSSSPTGFVQVS   556
NTDB id 384 SMU RS02325 WP 002263039.1       SGGTVIGQSPKPGKTYHPSS.DKKITLKVV....KVTMPNLKNSTYEEAVSTLTAMGISSSRIKAYDASDYS....SEIS   546
consensus                                    *******!!************ **!***!**********************!*********!******          *

logo

NTDB id 146 SP RS08570 WP 000614538.1        SESEPGTIMKQSPGAGTTYDVSKPTQIVLTVAKKVTSVAMPSYIGSSLEFTKNNLIQIVGIKEANIEVVEVTTAPAGSAE   624
NTDB id 216 SPD RS08205 WP 000614552.1       SESEPGTIMKQSPGAGTTYDVSKPTQIVLTVAKKVTSVAMPSYIGSSLEFTKNNLIQIVGIKEANIEVVEVTTAPAGSVE   624
NTDB id 182 SPR RS07820 WP 000614552.1       SESEPGTIMKQSPGAGTTYDVSKPTQIVLTVAKKVTSVAMPSYIGSSLEFTKNNLIQIVGIKEANIEVVEVTTAPAGSVE   624
NTDB id 257 KZH43 RS07655 WP 220041236.1     SESEPGTIMKQSPGAGTTYDVSKPTQIVLTVAKKVTSVAMPSYIGSSLEFTKNNLIQIVGIKEANIEVVEVTTAPAGSVE   624
NTDB id 467 HSISS4 RS06915 WP 021143821.1    IPSSTEI.....LYQDPQAGTSVDGTVILYVSVATASSSLQSSSSS.........................TTHSSS...   600
NTDB id 400600 GJS34 RS08190 WP 138119682.1 SPSSKAIVSGQTPYYGTQISLSEKGDISLYLYPEETRASSSSSSSD.........................TSAS.....   606
NTDB id 384 SMU RS02325 WP 002263039.1       SPSSSSLVVGQSPYYGNTVSLSSNDDIILYVSTSGGSHSGSSSSES.........................SNSE.G...   597
consensus                                    **!*****************!******!************!******************************* *
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logo                                                  GMVVEQSPRAGEKVDLN...KTRVKISIYKPKTTSATP
NTDB id 146 SP RS08570 WP 000614538.1                 GMVVEQSPRAGEKVDLN...KTRVKISIYKPKTTSATP   659
NTDB id 216 SPD RS08205 WP 000614552.1                GMVVEQSPRAGEKVDLN...KTRVKISIYKPKTTSATP   659
NTDB id 182 SPR RS07820 WP 000614552.1                GMVVEQSPRAGEKVDLN...KTRVKISIYKPKTTSATP   659
NTDB id 257 KZH43 RS07655 WP 220041236.1              GMVVEQSPRAGEKVDLN...KTRVKISIYKPKTTSATP   659
NTDB id 467 HSISS4 RS06915 WP 021143821.1             ......TSSSTDSTTSSTETSTEATHTELQ........   624
NTDB id 400600 GJS34 RS08190 WP 138119682.1           ......NPSAGDTTDSSSHTELGQNDAVITP.......   631
NTDB id 384 SMU RS02325 WP 002263039.1                ......TTSSEASTDSSSSATTTSH.............   616
consensus                                             ****************   ******************
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X non conserved

X similar

X $\geq$ 50% conserved