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logo

NTDB id 146 SP RS08570 WP 000614538.1      MIQIGKIFAGRYRIVKQIGRGGMADVYLAKDLILDGEEVAVKVLRTNYQTDPIAVARFQREARAMADLDHPHIVRITDIGEEDGQ   85
NTDB id 216 SPD RS08205 WP 000614552.1     MIQIGKIFAGRYRIVKQIGRGGMADVYLAKDLILDGEEVAVKVLRTNYQTDPIAVARFQREARAMADLDHPHIVRITDIGEEDGQ   85
NTDB id 182 SPR RS07820 WP 000614552.1     MIQIGKIFAGRYRIVKQIGRGGMADVYLAKDLILDGEEVAVKVLRTNYQTDPIAVARFQREARAMADLDHPHIVRITDIGEEDGQ   85
NTDB id 257 KZH43 RS07655 WP 220041236.1  MIQIGKIFAGRYRIVKQIGRGGMADVYLAKDLILDGEEVAVKVLRTNYQTDPIAVARFQREARAMADLDHPHIVRITDIGEEDGQ   85
NTDB id 384 SMU RS02325 WP 002263039.1     MIQIGKLFAGRYRILQSIGRGGMADVYLANDLILDNEEVAIKVLRTNYQTDQVAVTRFQREARAMAELNHPNIVAIRDIGEEDGQ   85
NTDB id 23927 STU RS16045 WP 011226292.1   MIQVGKLFAGRYRILKSIGRGGMADVYLANDLILDNESVAIKVLRTNYQTDQVAVARFQREARAMTELSHPNIVAIRDIGEEDGQ   85
NTDB id 467 HSISS4 RS06915 WP 021143821.1 MIQVGKLFAGRYRILKSIGRGGMADVYLANDLILDNEEVAIKVLRTNYQTDQVAVARFQREARAMAELSHPNIVAIRDIGEEDGQ   85
consensus                                  !!!*!!*!!!!!!!***!!!!!!!!!!!!!*!!!!!*!*!!*!!!!!!!!!!**!!*!!!!!!!!!**!*!!*!!*!*!!!!!!!!

logo

NTDB id 146 SP RS08570 WP 000614538.1      QYLAMEYVAGLDLKRYIKEHYPLSNEEAVRIMGQILLAMRLAHTRGIVHRDLKPQNILLTPDGTAKVTDFGIAVAFAETSLTQTN  170
NTDB id 216 SPD RS08205 WP 000614552.1     QYLAMEYVAGLDLKRYIKEHYPLSNEEAVRIMGQILLAMRLAHTRGIVHRDLKPQNILLTPDGTAKVTDFGIAVAFAETSLTQTN  170
NTDB id 182 SPR RS07820 WP 000614552.1     QYLAMEYVAGLDLKRYIKEHYPLSNEEAVRIMGQILLAMRLAHTRGIVHRDLKPQNILLTPDGTAKVTDFGIAVAFAETSLTQTN  170
NTDB id 257 KZH43 RS07655 WP 220041236.1  QYLAMEYVAGLDLKRYTKEHYPLSNEEAVRIMGQILLAMRLAHTRGIVHRDLKPQNILLTPDGTAKVTDFGIAVAFAETSLTQTN  170
NTDB id 384 SMU RS02325 WP 002263039.1     QFLAMEYVDGADLKKYIQDHAPLSNAEVIRIMKEVLSAMTLAHQKGIIHRDLKPQNVLLTKDGTAKVTDFGIAVAFAETSLTQTN  170
NTDB id 23927 STU RS16045 WP 011226292.1   QFLVMEYVDGSDLKKFIQDHAPLSNQDVVRIMGEVLSAMTLAHQKGIIHRDLKPQNVLLTKDGRAKVTDFGIAVAFAETSLTQTN  170
NTDB id 467 HSISS4 RS06915 WP 021143821.1 QFLVMEYVDGSDLKKYIQDHAPLSNQDVVRIMGEVLSAMTLAHQKGIIHRDLKPQNVLLTKDGTAKVTDFGIAVAFAETSLTQTN  170
consensus                                  !*!*!!!!!*!*!!!*****!*!!!!****!!!***!*!!*!!!**!!*!!!!!!!!!*!!!*!!*!!!!!!!!!!!!!!!!!!!!

logo

NTDB id 146 SP RS08570 WP 000614538.1      SMLGSVHYLSPEQARGSKATVQSDIYAMGIIFYEMLTGHIPYDGDSAVTIALQHFQKPLPSVIAENPSVPQALENVIIKATAKKL  255
NTDB id 216 SPD RS08205 WP 000614552.1     SMLGSVHYLSPEQARGSKATVQSDIYAMGIIFYEMLTGHIPYDGDSAVTIALQHFQNPLPSVIAENSSVPQALENVIIKATAKKL  255
NTDB id 182 SPR RS07820 WP 000614552.1     SMLGSVHYLSPEQARGSKATVQSDIYAMGIIFYEMLTGHIPYDGDSAVTIALQHFQNPLPSVIAENSSVPQALENVIIKATAKKL  255
NTDB id 257 KZH43 RS07655 WP 220041236.1  SMLGSVHYLSPEQARGSKATVQSDIYAMGIIFYEMLTGHIPYDGDSAVTIALQHFQNPLPSVIAENSSVPQALENVIIKATAKKL  255
NTDB id 384 SMU RS02325 WP 002263039.1     SMLGSVHYLSPEQARGSKATVQSDIYAMGIMLFEMLTGHIPYDGDSAVTIALQHFQKPLPSIIAENKNVPQALENVVIKATAKRL  255
NTDB id 23927 STU RS16045 WP 011226292.1   SMLGSVHYLSPEQARGSKATIQSDIYAMGIMLFEMLTGHIPFDGDSAVTIALQHFQKPLPSILAENRNVPQALENVVIRATAKKL  255
NTDB id 467 HSISS4 RS06915 WP 021143821.1 SMLGSVHYLSPEQARGSKATIQSDIYAMGIMLFEMLTGHIPYDGDSAVTIALQHFQKPLPSILAENRNVPQALENVVIRATAKKL  255
consensus                                  !!!!!!!!!!!!!!!!!!!!!*!!!!!!!!!***!!!!!!!!*!!!!!!!!!!!!!!!*!!!!**!!!  *!!!!!!!!*!*!!!!*!

logo

NTDB id 146 SP RS08570 WP 000614538.1      TNRYRSVSEMYVDLSSSLSYNRRNESKLIFDETSKADTKTLPKVSQSTLTSIPKVQAQTEH.KSIKNPSQAVTEETYQPQAPKKH  339
NTDB id 216 SPD RS08205 WP 000614552.1     TNRYRSVSEMYVDLSSSLSYNRRNESKLIFDETSKADTKTLPKVSQSTLTSIPKVQAQTEH.KSIKNPSQAVTEETYQPQAPKKH  339
NTDB id 182 SPR RS07820 WP 000614552.1     TNRYRSVSEMYVDLSSSLSYNRRNESKLIFDETSKADTKTLPKVSQSTLTSIPKVQAQTEH.KSIKNPSQAVTEETYQPQAPKKH  339
NTDB id 257 KZH43 RS07655 WP 220041236.1  TNRYRSVSEMYVDLSSSLSYNRRNESKLIFDETSKADTKTLPKVSQSTLTSIPKVQAQTEH.KSIKNPSQAVTEETYQPQAPKKH  339
NTDB id 384 SMU RS02325 WP 002263039.1     TDRYHSTQEMLQDLRTSLQPNRSRERKLVFSDAS..DTKPLPKLEQAAANSLAAQSLKNKTSNQDKVDHKSKPKTKPQPKPKKKR  338
NTDB id 23927 STU RS16045 WP 011226292.1   ENRYNSTLEMSRDLVTSLHPSHSRDSKVVFDDMT..DAKTLPKVDSVSSVGPEK.KISPKPSEPTPAPSKQPREKASLS..KKKK  335
NTDB id 467 HSISS4 RS06915 WP 021143821.1 ENRYNSTLEMSRDLVTSLHPSHRRDAKVVFDDMT..DTKTLPKVDPVPSASLEKKAVAAEPSEPTPAPSKQPRKKTTPAKKKKKK  338
consensus                                  **!!*!**!!**!!**!!********!**!******!*!*!!!*******************  ********************!!*
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logo
NTDB id 146 SP RS08570 WP 000614538.1      RFKMRYLILLASLV.LVAASLIWILSRTPATIAIPDVAGQTVAEAKATLKKANFEIGEEKTEASEKVEEGRIIRTDPGAGTGRKE   423
NTDB id 216 SPD RS08205 WP 000614552.1     RFKMRYLILLASLV.LVAASLIWILSRTPATIAIPDVAGQTVAEAKATLKKANFEIGEEKTEASEKVEEGRIIRTDPGAGTGRKE   423
NTDB id 182 SPR RS07820 WP 000614552.1     RFKMRYLILLASLV.LVAASLIWILSRTPATIAIPDVAGQTVAEAKATLKKANFEIGEEKTEASEKVEEGRIIRTDPGAGTGRKE   423
NTDB id 257 KZH43 RS07655 WP 220041236.1   RFKMRYLILLASLV.LVAASLIWILSRTPATIAIPDVAGQTVAEAKATLKKANFEIGEEKTEASEKVEEGRIIRTDPGAGTGRKE   423
NTDB id 384 SMU RS02325 WP 002263039.1     HFLARFFKIFFILVAIGIAVLTYLVLTKPSTVSVPDVSGDKLSTAKMIIRKSGLKVGDVQKIEDDNVGAGKVVRTNPSAGSKKRE   423
NTDB id 23927 STU RS16045 WP 011226292.1   NLFSTLLKVLLGFVFIGIIIFAYLVFTNPDNVQVPNVVGQELSTAQTKLESAGFKVGDVKEVENDSVNKGKVIKTDPTAGTMRKE   420
NTDB id 467 HSISS4 RS06915 WP 021143821.1  NFFSTLLKVFLGLVFIGIIIFAYLVFTNPDNVQVPNVVGQELSTAQTKIEGAGFKVGEVKEVEDDSVDTGKVIKTDPTAGTTRKE   423
consensus                                  **************! *************!*****!*!*!*****!***********!*********!**!****!*!*!!****!

logo
NTDB id 146 SP RS08570 WP 000614538.1      GTKINLVVSSGKQSFQISNYVGRKSSDVIAELKEK.KVPDNLIKIEEEESNESEAGTVLKQSLPEGTTYDLSKATQ.IVLTVAKK   506
NTDB id 216 SPD RS08205 WP 000614552.1     GTKINLVVSSGKQSFQISNYVGRKSSDVIAELKEK.KVPDNLIKIEEEESNESEAGTVLKQSLPEGTTYDLSKATQ.IVLTVAKK   506
NTDB id 182 SPR RS07820 WP 000614552.1     GTKINLVVSSGKQSFQISNYVGRKSSDVIAELKEK.KVPDNLIKIEEEESNESEAGTVLKQSLPEGTTYDLSKATQ.IVLTVAKK   506
NTDB id 257 KZH43 RS07655 WP 220041236.1   GTKINLVVSSGKQSFQISNYVGRKSSDVIAELKEK.KVPDNLIKIEEEESNESEAGTVLKQSLPEGTTYDLSKATQ.IVLTVAKK   506
NTDB id 384 SMU RS02325 WP 002263039.1     GSSVDIFVAS.AKGFKMEDYTGQDYKDAIDNLTNNYGVSRDSIVLKEVSSDDYSGGTVIGQSPKPGKTYHPSSDKK.ITLKV...   503
NTDB id 23927 STU RS16045 WP 011226292.1   GASIDVYVSSGSKGFTLKNYKGKNYKDAIEDLTSNYGVSEDQIDIQHVEDDNAKEGEILSQSSEKNKSFNPKDSKAKIKFRVA.T   504
NTDB id 467 HSISS4 RS06915 WP 021143821.1  GSSIDVYVSSGSKGFALKDYKGKNYKDAIEDLTSNFGVSEDQIDIQHVEDDSAEEGEILSQSPGKNKSFNPKDSKAKIKFRVA.T   507
consensus                                  !******!*!****!****!*!****!*!**!*** *!****!************!****!!**************  !***!***

logo
NTDB id 146 SP RS08570 WP 000614538.1      ATTIQLGNYIGRNSTEVISELKQKKVPENLIKIEEE........ESSESEPGTIMKQSPGAGTTYDVSKPTQIVLTVAKKVTSVA   583
NTDB id 216 SPD RS08205 WP 000614552.1     ATTIQLGNYIGRNSTEVISELKQKKVPENLIKIEEE........ESSESEPGTIMKQSPGAGTTYDVSKPTQIVLTVAKKVTSVA   583
NTDB id 182 SPR RS07820 WP 000614552.1     ATTIQLGNYIGRNSTEVISELKQKKVPENLIKIEEE........ESSESEPGTIMKQSPGAGTTYDVSKPTQIVLTVAKKVTSVA   583
NTDB id 257 KZH43 RS07655 WP 220041236.1   ATTIQLGNYIGRNSTEVISELKQKKVPENLIKIEEE........ESSESEPGTIMKQSPGAGTTYDVSKPTQIVLTVAKKVTSVA   583
NTDB id 384 SMU RS02325 WP 002263039.1     .VKVTMPNLKNSTYEEAVSTLTAMGISSSRIKAYDA..SDYSSEISSPSSSSLVVGQSPYYGNTVSLSSNDDIILYVSTSGGSHS   585
NTDB id 23927 STU RS16045 WP 011226292.1   PKTITMPDVTGLTVSTAVQTLNSKDISSSSIEYHDYNTGVKLDKSKVPSNT.EVLYQYPQ....VGTAVDGTVILYVSVVTKSSS   584
NTDB id 467 HSISS4 RS06915 WP 021143821.1  PKIVTMPDVTGLTVSTAVQTLNRKNISSSSIEYHDYNTGAKLDKAKIPSST.EILYQDPQ....AGTSVDGTVILYVSVATASSS   587
consensus                                  ********************!*********!*****        ****!*******!*!***************!*!*****!**

logo
NTDB id 146 SP RS08570 WP 000614538.1      MPSYIGSSLEFTKNNLIQIVGIKEANIEVVEVTTAPAGSAEGMVVEQSPRAGEKVDLNKTRVKISIYKPKTTSATP   659
NTDB id 216 SPD RS08205 WP 000614552.1     MPSYIGSSLEFTKNNLIQIVGIKEANIEVVEVTTAPAGSVEGMVVEQSPRAGEKVDLNKTRVKISIYKPKTTSATP   659
NTDB id 182 SPR RS07820 WP 000614552.1     MPSYIGSSLEFTKNNLIQIVGIKEANIEVVEVTTAPAGSVEGMVVEQSPRAGEKVDLNKTRVKISIYKPKTTSATP   659
NTDB id 257 KZH43 RS07655 WP 220041236.1   MPSYIGSSLEFTKNNLIQIVGIKEANIEVVEVTTAPAGSVEGMVVEQSPRAGEKVDLNKTRVKISIYKPKTTSATP   659
NTDB id 384 SMU RS02325 WP 002263039.1     GSSSSESSN...SEG.....................TTSSEASTDSSS.SATTT...SH.................   616
NTDB id 23927 STU RS16045 WP 011226292.1   IQQSSTAST...TQS.............PSST...SSSSESSTASSTETATEA...THTEQ..............   623
NTDB id 467 HSISS4 RS06915 WP 021143821.1  LQSSSSSTT...HSS.............S......TSSSTDSTTSSTETSTEA...THTELQ.............   624
consensus                                  ************************************! ***********************************
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X non conserved

X similar

X ≥ 50% conserved