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logo

NTDB id 97962 R8566 RS08775 WP 317642034.1  MIQIGKIFAGRYRIVKQIGRGGMADVYLAKDLILDGEEVAVKVLRTNYQTDPIAVARFQREARAMADLDHPHIVRITDIGEEDGQ   85
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 467 HSISS4 RS06915 WP 021143821.1  MIQVGKLFAGRYRILKSIGRGGMADVYLANDLILDNEEVAIKVLRTNYQTDQVAVARFQREARAMAELSHPNIVAIRDIGEEDGQ   85
consensus                                   !!!*!!*!!!!!!!***!!!!!!!!!!!!!*!!!!!*!!!!*!!!!!!!!!!**!!*!!!!!!!!!!*!*!!*!!*!*!!!!!!!!

logo

NTDB id 97962 R8566 RS08775 WP 317642034.1  QYLAMEYVAGLDLKRYIKEHYPLSNEEAVRIMGQILLAMRLAHTRGIVHRDLKPQNILLTPDGTAKVTDFGIAVAFAETSLTQTN   170
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 467 HSISS4 RS06915 WP 021143821.1  QFLVMEYVDGSDLKKYIQDHAPLSNQDVVRIMGEVLSAMTLAHQKGIIHRDLKPQNVLLTKDGTAKVTDFGIAVAFAETSLTQTN   170
consensus                                   !*!*!!!!*!*!!!*!***!*!!!!***!!!***!*!!*!!!**!!*!!!!!!!!*!!!!*!!!!!!!!!!!!!!!!!!!!!!!!!

logo

NTDB id 97962 R8566 RS08775 WP 317642034.1  SMLGSVHYLSPEQARGSKATVQSDIYAMGIIFYEMLTGHIPYDGDSAVTIALQHFQKPLPSVIAENPSVPQALENVIIKATAKKL   255
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 467 HSISS4 RS06915 WP 021143821.1  SMLGSVHYLSPEQARGSKATIQSDIYAMGIMLFEMLTGHIPYDGDSAVTIALQHFQKPLPSILAENRNVPQALENVVIRATAKKL   255
consensus                                   !!!!!!!!!!!!!!!!!!!!!*!!!!!!!!!!***!!!!!!!!!!!!!!!!!!!!!!!!!!*!!!!**!!!  *!!!!!!!!*!*!!!!*!

logo

NTDB id 97962 R8566 RS08775 WP 317642034.1  TNRYRSVSEMYVDLSSSLSYNRRNESKLIFDETSKADTKTLSKVSQSTLTSIPKVQAQTEH.KSIKNPSQAVTEETYQPQAPKKH   339
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 467 HSISS4 RS06915 WP 021143821.1  ENRYNSTLEMSRDLVTSLHPSHRRDAKVVFDDMT..DTKTLPKVDPVPSASLEKKAVAAEPSEPTPAPSKQPRKKTTPAKKKKKK   338
consensus                                   **!!*!**!!**!!**!!*******!**!*****!!!*!*!*******!*********  ******************!!*
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logo
NTDB id 97962 R8566 RS08775 WP 317642034.1   RFKMRYLILLASLVL.VAASLIWILSRTPATIAIPDVAGQTVAEAKATLKKANFEIGEEKTEASEKVEEGRIIRTDPGAGTGRKE   423
NTDB id 146 SP RS08570 WP 000614538.1        RFKMRYLILLASLVL.VAASLIWILSRTPATIAIPDVAGQTVAEAKATLKKANFEIGEEKTEASEKVEEGRIIRTDPGAGTGRKE   423
NTDB id 216 SPD RS08205 WP 000614552.1       RFKMRYLILLASLVL.VAASLIWILSRTPATIAIPDVAGQTVAEAKATLKKANFEIGEEKTEASEKVEEGRIIRTDPGAGTGRKE   423
NTDB id 182 SPR RS07820 WP 000614552.1       RFKMRYLILLASLVL.VAASLIWILSRTPATIAIPDVAGQTVAEAKATLKKANFEIGEEKTEASEKVEEGRIIRTDPGAGTGRKE   423
NTDB id 257 KZH43 RS07655 WP 220041236.1     RFKMRYLILLASLVL.VAASLIWILSRTPATIAIPDVAGQTVAEAKATLKKANFEIGEEKTEASEKVEEGRIIRTDPGAGTGRKE   423
NTDB id 384 SMU RS02325 WP 002263039.1       HFLAREFKIFFILVAIGIAVLTYLVLTKPSTVSVPDVSGDKLSTAKMIIRKSGLKVGDVQKIEDDNVGAGKVVRTNPSAGSKKRE   423
NTDB id 467 HSISS4 RS06915 WP 021143821.1   NFFSTLLKVFLGLVFIGIIIFAYLVFTNPDNVQVPNVVGQELSTAQTKIEGAGFKVGEVKEVEDDSVDTGKVIKTDPTAGTTRKE   423
consensus                                    *!***********!!* ************!*****!*!*!*****!***********!*********!**!****!*!*!!****!
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logo
NTDB id 97962 R8566 RS08775 WP 317642034.1   GTKINLVVSSGKQSFQISNYVGRKSSDVIAELKEK.KVPDNLIKIEEEESNESEAGTVLKQSLPEGTTYDLSKATQ.IVLTVAKK   506
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 467 HSISS4 RS06915 WP 021143821.1   GSSIDVYVSSGSKGFALKDYKGKNYKDAIEDLTSNFGVSEDQIDIQHVEDDSAEEGEILSQSPGKNKSFNPKDSKAKIKFRVAT.   507
consensus                                    !******!*!****!****!*!****!*!**!***  *!****!************!****!!**************  !***!***
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logo
NTDB id 97962 R8566 RS08775 WP 317642034.1   ATTIQLGNYIGRNSTEVISELKQKKVPENLIKIEE........EESSESEPGTIMKQSPGAGTTYDVSKPTQIVLTVAKKVTSVA   583
NTDB id 146 SP RS08570 WP 000614538.1        ATTIQLGNYIGRNSTEVISELKQKKVPENLIKIEE........EESSESEPGTIMKQSPGAGTTYDVSKPTQIVLTVAKKVTSVA   583
NTDB id 216 SPD RS08205 WP 000614552.1       ATTIQLGNYIGRNSTEVISELKQKKVPENLIKIEE........EESSESEPGTIMKQSPGAGTTYDVSKPTQIVLTVAKKVTSVA   583
NTDB id 182 SPR RS07820 WP 000614552.1       ATTIQLGNYIGRNSTEVISELKQKKVPENLIKIEE........EESSESEPGTIMKQSPGAGTTYDVSKPTQIVLTVAKKVTSVA   583
NTDB id 257 KZH43 RS07655 WP 220041236.1     ATTIQLGNYIGRNSTEVISELKQKKVPENLIKIEE........EESSESEPGTIMKQSPGAGTTYDVSKPTQIVLTVAKKVTSVA   583
NTDB id 384 SMU RS02325 WP 002263039.1       .VKVTMPNLKNSTYEEAVSTLTAMGISSSRIKAY..DASDYSSEISSPSSSSLVVGQSPYYGNTVSLSSNDDIILYVSTSGGSHS   585
NTDB id 467 HSISS4 RS06915 WP 021143821.1   PKIVTMPDVTGLTVSTAVQTLNRKNISSSSIEYHDYNTGAKLDKAKIPSSTE.ILYQDPQ....AGTSVDGTVILYVSVATASSS   587
consensus                                    ********************!*********!****        *****!*******!*!********!******!*!*****!**
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logo
NTDB id 97962 R8566 RS08775 WP 317642034.1   MPSYIGSSLEFTKNNLIQIVGIKEANIEVVEVTTAPAGSVEGMVV.EQSPRAGEKVDLNKTRVKISIYKPKTTSATP   659
NTDB id 146 SP RS08570 WP 000614538.1        MPSYIGSSLEFTKNNLIQIVGIKEANIEVVEVTTAPAGSAEGMVV.EQSPRAGEKVDLNKTRVKISIYKPKTTSATP   659
NTDB id 216 SPD RS08205 WP 000614552.1       MPSYIGSSLEFTKNNLIQIVGIKEANIEVVEVTTAPAGSVEGMVV.EQSPRAGEKVDLNKTRVKISIYKPKTTSATP   659
NTDB id 182 SPR RS07820 WP 000614552.1       MPSYIGSSLEFTKNNLIQIVGIKEANIEVVEVTTAPAGSVEGMVV.EQSPRAGEKVDLNKTRVKISIYKPKTTSATP   659
NTDB id 257 KZH43 RS07655 WP 220041236.1     MPSYIGSSLEFTKNNLIQIVGIKEANIEVVEVTTAPAGSVEGMVV.EQSPRAGEKVDLNKTRVKISIYKPKTTSATP   659
NTDB id 384 SMU RS02325 WP 002263039.1       GSSSSESSNS....................EGTTSSEASTDSSSSATTT....SH......................   616
NTDB id 467 HSISS4 RS06915 WP 021143821.1   LQSSSSSTTH....................SSST..SSSTDSTTSSTETSTEATHTELQ..................   624
consensus                                    **!***!*************************!****!******  ******************************
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X non conserved

X similar

X $\geq$ 50% conserved