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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 216208 BZG42 RS01995 WP 155964760.1    MIQIGKIFAGRYRIVRQIGRGGMADVYLARDLILDGEEVAVKVLRTNYQTDQIAIQRFQREARAMAELDHPNIVRISDIG   80
NTDB id 467 HSISS4 RS06915 WP 021143821.1      MIQVGKLFAGRYRILKSIGRGGMADVYLANDLILDNEEVAIKVLRTNYQTDQVAVARFQREARAMAELSHPNIVAIRDIG   80
NTDB id 384 SMU RS02325 WP 002263039.1         MIQIGKLFAGRYRILQSIGRGGMADVYLANDLILDNEEVAIKVLRTNYQTDQVAVTRFQREARAMAELNHPNIVAIRDIG   80
consensus                                      !!!*!!*!!!!!!!***!!!!!!!!!!!!!*!!!!!*!!!!*!!!!!!!!!!!**!**!!!!!!!!!!*!*!!*!!*!*!!!

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 216208 BZG42 RS01995 WP 155964760.1    EEDGQQYLAMEYVNGLDLKRYIKENAPLSNDVAVRIVGQILLAMRIAHTRGIVHRDLKPQNVLLTSNGVAKVTDFGIAVA  160
NTDB id 467 HSISS4 RS06915 WP 021143821.1      EEDGQQFLVMEYVDGSDLKKYIQDHAPLSNQDVVRIMGEVLSAMTLAHQKGIIHRDLKPQNVLLTKDGTAKVTDFGIAVA  160
NTDB id 384 SMU RS02325 WP 002263039.1         EEDGQQFLAMEYVDGADLKKYIQDHAPLSNAEVIRIMKEVLSAMTLAHQKGIIHRDLKPQNVLLTKDGTAKVTDFGIAVA  160
consensus                                      !!!!!!*!*!!!!*!*!!!*!****!!!!****!!****!*!!**!!**!!*!!!!!!!!*!!!**!*!!!!!!!!!!!

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 216208 BZG42 RS01995 WP 155964760.1    FAETSLTQTNSMLGSVHYLSPEQARGSKATIQSDIYAMGIILFEMLTGRIPYDGDSAVTIALQHFQKPLPSVREENANVP  240
NTDB id 467 HSISS4 RS06915 WP 021143821.1      FAETSLTQTNSMLGSVHYLSPEQARGSKATIQSDIYAMGIMLFEMLTGHIPYDGDSAVTIALQHFQKPLPSILAENRNVP  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          NPSQAVT.......EETYQPQ.APKKHRFKMRYLILLASLVLVAASLIWILSRTPATIAIPDVAGQTVAEAKATLKKANF  392
NTDB id 216 SPD RS08205 WP 000614552.1         NPSQAVT.......EETYQPQ.APKKHRFKMRYLILLASLVLVAASLIWILSRTPATIAIPDVAGQTVAEAKATLKKANF  392
NTDB id 182 SPR RS07820 WP 000614552.1         NPSQAVT.......EETYQPQ.APKKHRFKMRYLILLASLVLVAASLIWILSRTPATIAIPDVAGQTVAEAKATLKKANF  392
NTDB id 257 KZH43 RS07655 WP 220041236.1       NPSQAVT.......EETYQPQ.APKKHRFKMRYLILLASLVLVAASLIWILSRTPATIAIPDVAGQTVAEAKATLKKANF  392
NTDB id 216208 BZG42 RS01995 WP 155964760.1    DKSVGKKEGIKKPTKPA.....SKPRPGMRTRYKVLIGAILLTALAAGLMFFNTPKTVIVPDVAGQTVEKATEMIEVAGL  394
NTDB id 467 HSISS4 RS06915 WP 021143821.1     EPSEPTPAPSKQPRKKTTPAKKKKKNFFSTLLKVFLGLVFIGIIFAYLVFTNPDNVQVPNVVGQELSTAQTKIEGAGF  392
NTDB id 384 SMU RS02325 WP 002263039.1         KTSNQDKVDHKSKPKTKPQPKPKKKRHFLARFFKIFFILVAIGIAVLTYLVLTKPSTVSVPDVSGDKLSTAKMIIRKSGL  392
consensus                                      **!****       ******* ******************************!*****!*!*!*****!*********

logo

NTDB id 146 SP RS08570 WP 000614538.1          EIGEEKTEASEKVEEGRIIRTDPGAGTGRKEGTKINLVVSSGKQSFQISNYVGRKSS...DVIAELK.EKKVPDNLIKIE  468
NTDB id 216 SPD RS08205 WP 000614552.1         EIGEEKTEASEKVEEGRIIRTDPGAGTGRKEGTKINLVVSSGKQSFQISNYVGRKSS...DVIAELK.EKKVPDNLIKIE  468
NTDB id 182 SPR RS07820 WP 000614552.1         EIGEEKTEASEKVEEGRIIRTDPGAGTGRKEGTKINLVVSSGKQSFQISNYVGRKSS...DVIAELK.EKKVPDNLIKIE  468
NTDB id 257 KZH43 RS07655 WP 220041236.1       EIGEEKTEASEKVEEGRIIRTDPGAGTGRKEGTKINLVVSSGKQSFQISNYVGRKSS...DVIAELK.EKKVPDNLIKIE  468
NTDB id 216208 BZG42 RS01995 WP 155964760.1    EVGNVIKETIKEVGEGLVIRTSPAAKTTKRQGSKVDIVVAIAALV.TIPDVSNKSADLARQELEALG..F.....QVSVK  466
NTDB id 467 HSISS4 RS06915 WP 021143821.1     KVGEVKEVEDDSVDTGKVIKTDPTAGTTRKEGSSIDVYVSSGSKGFALKDYKGKNYK...DAIEDLTSNFGVSEDQIDIQ  469
NTDB id 384 SMU RS02325 WP 002263039.1         KVGDVQKIEDDNVGAGKVVRTNPSAGSKKREGSSVDIFVAS.AKGFKMEDYTGQDYK...DAIDNLTNNYGVSRDSIVLK  468
consensus                                      **!*********!**!****!*!*!******!******!*****************   *****!* ************

logo

NTDB id 146 SP RS08570 WP 000614538.1          EEESNESEAGTVLKQSLPEGTTYDLSKATQIVLTVAKKATTIQLGNYIGRNSTEVISELKQKKVPENLIKIEEEESSESE  548
NTDB id 216 SPD RS08205 WP 000614552.1         EEESNESEAGTVLKQSLPEGTTYDLSKATQIVLTVAKKATTIQLGNYIGRNSTEVISELKQKKVPENLIKIEEEESSESE  548
NTDB id 182 SPR RS07820 WP 000614552.1         EEESNESEAGTVLKQSLPEGTTYDLSKATQIVLTVAKKATTIQLGNYIGRNSTEVISELKQKKVPENLIKIEEEESSESE  548
NTDB id 257 KZH43 RS07655 WP 220041236.1       EEESNESEAGTVLKQSLPEGTTYDLSKATQIVLTVAKKATTIQLGNYIGRNSTEVISELKQKKVPENLIKIEEEESSESE  548
NTDB id 216208 BZG42 RS01995 WP 155964760.1    EEYSDKVAQGLVIKTSPEANSSAEQGGK..VVLSVSKGVAPQLVPDVVGKTQENATQILQTAGFS..IGTITKEHHPSIE  542
NTDB id 467 HSISS4 RS06915 WP 021143821.1     HVEDDSAEEGEILSQSPGKNKSFN.......................................................PKDS  497
NTDB id 384 SMU RS02325 WP 002263039.1         EVSSDDYSGGTVIGQSPKPGKTYH.......................................................PSSD  496
consensus                                      *********!*****!*****************************************************************

logo

NTDB id 146 SP RS08570 WP 000614538.1          PGTIMKQSPGAGTTYDVSKPTQIVLTVAKKVTSVAMPSYIGSSLEFTK.NNLIQIVGIKEANIEVVEVTT......APAG  621
NTDB id 216 SPD RS08205 WP 000614552.1         PGTIMKQSPGAGTTYDVSKPTQIVLTVAKKVTSVAMPSYIGSSLEFTK.NNLIQIVGIKEANIEVVEVTT......APAG  621
NTDB id 182 SPR RS07820 WP 000614552.1         PGTIMKQSPGAGTTYDVSKPTQIVLTVAKKVTSVAMPSYIGSSLEFTK.NNLIQIVGIKEANIEVVEVTT......APAG  621
NTDB id 257 KZH43 RS07655 WP 220041236.1       PGTIMKQSPGAGTTYDVSKPTQIVLTVAKKVTSVAMPSYIGSSLEFTK.NNLIQIVGIKEANIEVVEVTT......APAG  621
NTDB id 216208 BZG42 RS01995 WP 155964760.1    AGHVISTDPVANTELTKGSPVNIVVSKG...KELIMPDLVSGNYTYSQARRQLQALGVNIENIERQ.......EDRSYYS  612
NTDB id 467 HSISS4 RS06915 WP 021143821.1     ..................KAKIKFRVATP...KIVTMPDVTG..LTVSTAVGTLNRKNISSSSIEYHDYNTGAKLDKAKIP  555
NTDB id 384 SMU RS02325 WP 002263039.1         ..................KK.ITLKV......VKVTMPNLKN..STYEEAVSTLTAMGISSSRIKAY..DASDYSSEISSP  548
consensus                                      ***********************************!!*********** *************!*******      ****
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logo
NTDB id 146 SP RS08570 WP 000614538.1          SAEGMVVEQSPRAGEKVDLNKTRVKISIYKPKTTSATP.........................................  659
NTDB id 216 SPD RS08205 WP 000614552.1         SVEGMVVEQSPRAGEKVDLNKTRVKISIYKPKTTSATP.........................................  659
NTDB id 182 SPR RS07820 WP 000614552.1         SVEGMVVEQSPRAGEKVDLNKTRVKISIYKPKTTSATP.........................................  659
NTDB id 257 KZH43 RS07655 WP 220041236.1       SVEGMVVEQSPRAGEKVDLNKTRVKISIYKPKTTSATP.........................................  659
NTDB id 216208 BZG42 RS01995 WP 155964760.1    TTSDIVIGQYPA....AGAVIDG.TVTLYVSVAASGTNSNSSTGTPSS...T......STSTSGTSNGQ........  667
NTDB id 467 HSISS4 RS06915 WP 021143821.1      SSTE.ILYQDPQ....AGTSVDG.TVILYVSVATASSSLQSSSSSTTHSSST..SSSTDSTTSSTETSTEATHTELQ  624
NTDB id 384 SMU RS02325 WP 002263039.1         SSSSLVVGQSPYYGNTVSLSSND.DIILYVSTSGGSHSGSSSSESSNSEGTTSSEASTDSSSSATTT....SH....  616
consensus                                      *  ******!*!*****************!*********
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X non conserved

X similar

X ≥ 50% conserved