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NTDB id 1037758 ACB344 RS05285 WP 002984519.1	..MIKILLVEDDL ^G LSNSV.FDFLDDFADVMQVFDG ^E DEGLYEAESG ^I YDLILLDLMLPEKNGFQVLKELREK ^D IKIPVLI	77
NTDB id 258 KZH43 RS03475 WP 000590640.1	..MIKILLVEDDL ^G LSNSV.FDFLDDFADVMQVFDGEEGLYEAESGVYDLILLDLMLPEKNGFQVLKELREKGITTPVLI	77
NTDB id 217 SPD RS03775 WP 000590640.1	..MIKILLVEDDL ^G LSNSV.FDFLDDFADVMQVFDGEEGLYEAESGVYDLILLDLMLPEKNGFQVLKELREKGITTPVLI	77
NTDB id 183 SPR RS03560 WP 000590640.1	..MIKILLVEDDL ^G LSNSV.FDFLDDFADVMQVFDGEEGLYEAESGVYDLILLDLMLPEKNGFQVLKELREKGITTPVLI	77
NTDB id 147 SP RS03905 WP 000590640.1	..MIKILLVEDDL ^G LSNSV.FDFLDDFADVMQVFDGEEGLYEAESGVYDLILLDLMLPEKNGFQVLKELREKGITTPVLI	77
NTDB id 362 SMU RS05200 WP 002262214.1	..MIKILLVEDDL ^G LSNSV.FDFLDDFADVMQVFDGEEGLYEAESGVYDLILLDLMLPEKNGFQVLKELREKGITTPVLI	77
NTDB id 413 AAK55817.1 141..845()	..MKKILIVDDEKPI ^S SDIIK ^F NMTKEGY ^E EVVTA ^F NGREALEQFEAEQPD ^I IILDLMLPEIDGLEVAKT ^I IRKT ^S SSVPILM	77
NTDB id 374 SMU RS06885 WP 002262930.1	..MKKILIVDDEKPI ^S SDIIK ^F NLAKEGY ^D TITAFDGREALSKYEENPDL ^I IILDLMLPELDGLEVAKEVRKN ^S .SHVPIIM	77
NTDB id 606 V4T04 RS01910 WP 003130756.1	MTSKKILII ^E DEKNI ^L ARFVSLELEHEGYATEIKD ^N GRSGLEEAT ^S SKDYDLILLDLMLPELDGFEVARRLRKE ^S .KDTPIIM	79
NTDB id 471 HSISS4 RS01430 WP 002883757.1	..MSKRILIVDEKNI ^L ARFVSLELEHEGY ^D VVTAD ^N GREGLEMALEKD ^F DLILLDLMLPEMDGFEVTRRLQQE ^S .KDTYIMM	78
consensus	*****!***** ***** *****!*****!*****!*****!*****!*****!*****!*****	

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NTDB id 1037758 ACB344 RS05285 WP 002984519.1	MTAKE ^G LDDKGHGFE ^L GADDY ^L TKPFY ^E EELK ^M RIQALLK ^R SGKF ^N EN.....N ^I SFGNLVVD ^L ARKEV ^K VEGKV	147
NTDB id 258 KZH43 RS03475 WP 000590640.1	MTAKESLDDKGHGFE ^L GADDY ^L TKPFY ^E EELK ^M RIQALLK ^R SGKF ^N EN.....TLTYGN ^I VVN ^L STNTV ^K VEDTP	147
NTDB id 217 SPD RS03775 WP 000590640.1	MTAKESLDDKGHGFE ^L GADDY ^L TKPFY ^E EELK ^M RIQALLK ^R SGKF ^N EN.....TLTYGN ^I VVN ^L STNTV ^K VEDTP	147
NTDB id 183 SPR RS03560 WP 000590640.1	MTAKESLDDKGHGFE ^L GADDY ^L TKPFY ^E EELK ^M RIQALLK ^R SGKF ^N EN.....TLTYGN ^I VVN ^L STNTV ^K VEDTP	147
NTDB id 147 SP RS03905 WP 000590640.1	MTAKESLDDKGHGFE ^L GADDY ^L TKPFY ^E EELK ^M RIQALLK ^R SGKF ^N EN.....TLTYGN ^I VVN ^L STNTV ^K VEDTP	147
NTDB id 362 SMU RS05200 WP 002262214.1	MTAKE ^G LDDKGHGFE ^L GADDY ^L TKPFY ^E EELK ^M RIQALLK ^R SGKF ^N EN.....NLTYGELT ^V DTATNT ^T MTVNGKE	147
NTDB id 413 AAK55817.1 141..845()	LSAKDSEFDK ^V IGLE ^L GADDY ^V TKPFSNREL ^Q ARV ^K ALL ^R RSQMPMP ^V DGQ.EADSKPQP ^I IGID ^L EIVPDAYVAKKYGEE	156
NTDB id 374 SMU RS06885 WP 002262930.1	LSAKDSEFDK ^V IGLE ^L GADDY ^V TKPFSNRELLARV ^K AHL ^R RTENIESAVAEENASGIPET ^I IIGDLQ ^I LPDAFVAKKRGTE	157
NTDB id 606 V4T04 RS01910 WP 003130756.1	MTARDSTMD ^R VAGL ^D I ^G GADDY ^I TKPFA ^I EELLARV ^R AFFR ^E EEH ^G HAV.ERAENTS.....FRDLV ^I DKT ^N RTV ^H RGKKV	153
NTDB id 471 HSISS4 RS01430 WP 002883757.1	MTARDSIM ^D IVAGL ^D R ^G GADDY ^I VKPF ^A EELLARIRAT ^F RRQDIEAAKNAPAKAST.....YRDLK ^L DVQNR ^T VVRGDEA	153
consensus	**!*****!*****!*****!*****!*****!*****!*****!*****!*****!*****!*****!*****!*****!*****!*****!*****	

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NTDB id 1037758 ACB344 RS05285 WP 002984519.1	VELLGKEFDLLVY ^L LQNQNVILPKTQIFDRLWGFSDTTISVVEVY ^L SKIRKKLKG ^T R.FVNRLQTLRSVG ^I YILK ^N NE.	224
NTDB id 258 KZH43 RS03475 WP 000590640.1	VELLGKEFDLLVY ^F LQNQNVILPKTQIFDRLWGFSDTTISVVEVYVSKVRKKLKG ^T T.FAENLQTLRSVG ^I YLLKDVQ.	224
NTDB id 217 SPD RS03775 WP 000590640.1	VELLGKEFDLLVY ^F LQNQNVILPKTQIFDRLWGFSDTTISVVEVYVSKVRKKLKG ^T T.FAENLQTLRSVG ^I YLLKDVQ.	224
NTDB id 183 SPR RS03560 WP 000590640.1	VELLGKEFDLLVY ^F LQNQNVILPKTQIFDRLWGFSDTTISVVEVYVSKVRKKLKG ^T T.FAENLQTLRSVG ^I YLLKDVQ.	224
NTDB id 147 SP RS03905 WP 000590640.1	VELLGKEFDLLVY ^F LQNQNVILPKTQIFDRLWGFSDTTISVVEVYVSKVRKKLKG ^T T.FAENLQTLRSVG ^I YLLKDVQ.	224
NTDB id 362 SMU RS05200 WP 002262214.1	VELLGKEFDLLVY ^F LQNQNVILPKSQIFDRLWGFSDTTISVVEVYVSKIRKKLKD ^T T.FGKNLQTLRSVG ^I YILKDN.	224
NTDB id 413 AAK55817.1 141..845()	LDLTHREFELLYHLASHTGQ ^V ITREHL ^L ETVWG ^Y DYFGD ^V RTVD ^V TVRR ^L REK ^I IEDTPSRPEY ^I ILTRRGVGY ^Y MRNNA*	234
NTDB id 374 SMU RS06885 WP 002262930.1	VELTHREFELLHHLATHTGQ ^V MTREHL ^L ETVWG ^Y DYFGD ^V RTVD ^V TVRR ^L REK ^I IEDTPSRPEY ^I ILTRRGVGY ^Y MKS ^Y D.	235
NTDB id 606 V4T04 RS01910 WP 003130756.1	IDLTRREYD ^L LITLMQNVGD ^V VTREHLV ^S QWGYE ^E EGTETN ^V VDV ^I TVRR ^L REK ^I IEDTPSRPEY ^I ILTRRGVGY ^Y MRERK.	230
NTDB id 471 HSISS4 RS01430 WP 002883757.1	IP ^L TKREFD ^L LNTLLSNM ^N QVMTREELLQ ^V WKY ^D DAIETN ^V VDV ^I TVRR ^L REK ^I IEDTPSRPEY ^I ILTRRGVGY ^Y MRERK..	229
consensus	**!*****!*****!*****!*****!*****!*****!*****!*****!*****!*****!*****!*****!*****!*****!*****!*****	

-  non conserved
-  similar
-  ≥ 50% conserved