

logo

NTDB id 1323 RA0C RS07335 WP 004916218.1	.MLV ^Y Y ^G SA ^I H ^G VSA ^Q T ^T I ^E VN ^V D ^G V [.] G ^Y H ^L V ^G L ^P D ^N A ^I K ^E SS ^H R ^T S ^A A ^I KN ^V G ^Y K ^L P ^G KK ^I T ^I N ^M A ^P A ^D L ^R	73
NTDB id 1271 LPP RS03220 WP 011213198.1	MSLA ^F T ^K IR ^S T ^I G ^I V ^A Q ^P V ^S VE ^V H ^I SN ^G LP ^S FT ^M V ^G LA ^E T ^A V ^K ES ^K DR ^V RS ^A I ^N S ^Q FE ^F PC ^R K ^I T ^V N ^L G ^P AN ^L P	75
NTDB id 1248 GC085 RS03150 WP 011213198.1	MSLA ^F T ^K IR ^S T ^I G ^I V ^A Q ^P V ^S VE ^V H ^I SN ^G LP ^S FT ^M V ^G LA ^E T ^A V ^K ES ^K DR ^V RS ^A I ^N S ^Q FE ^F PC ^R K ^I T ^V N ^L G ^P AN ^L P	75
NTDB id 227886 XcfCFBP6991P RS19750 WP 099802461.1	MSLA ^L V ^H SR ^A R ^V GV ^H AP ^E V ^R VE ^V H ^I SG ^C LP ^S T ^Q I ^V GL ^P EA ^A V ^R ES ^R ER ^V RA ^A LI ^C AQ ^F EP ^A RR ^I T ^I N ^L AP ^A D ^L P	75
NTDB id 1153 A1552VC RS00115 WP 000521788.1	MGL ^A I ^I HS ^R AS ^I GV ^Q AP ^P V ^T VE ^V H ^I SN ^G MP ^G FT ^L V ^G L ^P ET ^T V ^K ES ^R DR ^V RS ^A I ^I NS ^R FE ^F PA ^K R ^I T ^V N ^L AP ^A D ^L P	75
NTDB id 1397 DSB67 RS15690 WP 005535577.1	MGL ^A I ^I HS ^R AS ^V GV ^Q AP ^S V ^S VE ^V H ^I SN ^G MP ^G FT ^L V ^G L ^P ET ^T V ^K ES ^K DR ^V RS ^A I ^V NS ^I FQ ^F PA ^K R ^I T ^V N ^L AP ^A D ^L P	75
NTDB id 1349 HI 1117 AAC22771.1	MSLA ^I V ^Y SR ^A SM ^G V ^Q AP ^L V ^T VE ^V H ^I SN ^G K ^P G ^F T ^L V ^G L ^P E ^K T ^V KE ^A Q ^D R ^V RS ^A LM ^N AQ ^F K ^V Y ^P A ^K R ^I T ^V N ^L AP ^A D ^L P	75
NTDB id 1387 A4U84 RS06900 WP 020457569.1	MSLA ^I V ^Y SR ^A SI ^G VE ^A PL ^V T ^T VE ^V H ^I SG ^C SP ^G L ^T V ^G L ^P E ^K S ^V KE ^A Q ^D R ^V RS ^A LM ^N AF ^D Y ^P ARR ^I T ^I N ^L AP ^A D ^L P	75
consensus	**!* ** * ** * ! * ! * * ** * ! ! * ** * ! ! ! * * * ! ! * ** * ! ! * ! * ! ! * ! *	

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NTDB id 1323 RA0C RS07335 WP 004916218.1	KEG ^S GR ^E DL ^P IAL ^G ILA ^A SG ^Q I ^A PE ^R Y ^L ING ^E LS ^I D ^G GL ^Q P ^I K ^G VE ^P IA ^T RA ^R EE ^G FG ^I GI ^T IP ^K QNT ^R EAA ^I V	148
NTDB id 1271 LPP RS03220 WP 011213198.1	KTG ^S GF ^D LP ^I AL ^G ILA ^A SE ^Q I ^P L ^T N ^L AN ^H EF ^I GEL ^A LS ^G EL ^R GV ^S AI ^P AV ^L AA ^H K ^D .NQ ^H LI ^I AN ^A NA ^A EAS ^L T	149
NTDB id 1248 GC085 RS03150 WP 011213198.1	KTG ^S GF ^D LP ^I AL ^G ILA ^A SE ^Q I ^P L ^T N ^L AN ^H EF ^I GEL ^A LS ^G EL ^R GV ^S AI ^P AV ^L AA ^H K ^D .NQ ^H LI ^I AN ^A NA ^A EAS ^L T	149
NTDB id 227886 XcfCFBP6991P RS19750 WP 099802461.1	KEG ^S GR ^F DL ^P IAL ^G ILA ^A SG ^Q ID ^R QA ^L AD ^Y E ^F L ^G EL ^A LT ^G EL ^R GV ^D GV ^L PA ^A LAA ^A QA [.] GR ^L IV ^P LAN ^G AEAA ^I A	149
NTDB id 1153 A1552VC RS00115 WP 000521788.1	KEG ^S GR ^F DL ^P IAL ^G ILA ^A SD ^Q IAR ^N K ^L ES ^Y E ^F I ^G EL ^A LS ^G E ^I R ^G V ^K GV ^L PA ^A LAAN ^Q V [.] ER ^C L ^V V ^P HS ^N GD ^Q AA ^L V	149
NTDB id 1397 DSB67 RS15690 WP 005535577.1	KEG ^S GR ^F DL ^P IAL ^G ILA ^A SE ^Q IAT ^D DK ^L K ^N Y ^E F ^V GEL ^A LS ^G GL ^R T ^V K ^G V ^L PA ^A LAAN ^K K [.] QR ^H L ^V V ^P HAN ^G D ^Q AA ^L V	149
NTDB id 1349 HI 1117 AAC22771.1	KEG ^S GR ^F DL ^P IA ^I GILA ^A SD ^Q LDASH ^L K ^Q E ^F V ^A EL ^A LT ^G QL ^R GV ^H GV ^L PA ^I LAA ^Q KS [.] KRE ^L I ^I AK ^Q NA ^E AS ^L V	149
NTDB id 1387 A4U84 RS06900 WP 020457569.1	KEG ^S GR ^F DL ^P IA ^I GILA ^A SG ^Q ID ^S DK ^L KRI ^E L ^L GEL ^S LT ^G HL ^R GV ^H GA ^I PA ^V LAA ^S KA [.] KRE ^I T ^V P ^Q QNA ^E VS ^L V	149
consensus	!*! ** * ! ! * ! ! ! ! ! ! ! ! * ! * * * * * ! ! * ! * * * * * * * ! * * ! * * * * * ! * * * * *	

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NTDB id 1323 RA0C RS07335 WP 004916218.1	NDLE ^V Y ^G VEN ^I KE ^V ID ^F FNEN ^C PE ^P TK ^V N ^T REE ^F H ^K R ^V N ^L FP ^F D ^F SE ^V K ^G Q ^E TA ^K RA ^M E ^V AA ^A CG ^H N ^I L ^I L ^L G ^P P	223
NTDB id 1271 LPP RS03220 WP 011213198.1	GHQ ^K V ^F T ^A NN ^L REV ^C D ^Y L ^C QGT ^S L ^Q SL ^P PK ^P DL ^L ...LNN ^Y EL ^D W ^S D ^I K ^G Q ^Q HAK ^N AM ^V IA ^A CG ^G H ^S ILL ^S G ^A P	220
NTDB id 1248 GC085 RS03150 WP 011213198.1	GHQ ^K V ^F T ^A NN ^L REV ^C D ^Y L ^C QGT ^S L ^Q SL ^P PK ^P DL ^L ...LNN ^Y EL ^D W ^S D ^I K ^G Q ^Q HAK ^N AM ^V IA ^A CG ^G H ^S ILL ^S G ^A P	220
NTDB id 227886 XcfCFBP6991P RS19750 WP 099802461.1	CHVEA ^F T ^A RT ^L LD ^V CAT ^L NG ^S Q ^K AP ^A E ^L AV ^Q AL...GAR ^A L ^P DM ^A D ^V RG ^Q PH ^A RR ^A LE ^I TA ^A CG ^G H ^L LL ^V G ^S P	220
NTDB id 1153 A1552VC RS00115 WP 000521788.1	GVER ^H KS ^A QS ^L LEV ^C AD ^L CG ^Q QT ^L SL ^F QSS ^P SV...QQ ^V SQ ^T RD ^Q DI ^I GQ ^Q Q ^K RA ^L E ^I AA ^A GN ^H N ^L LL ^F L ^G PP	220
NTDB id 1397 DSB67 RS15690 WP 005535577.1	GKEQ ^H KS ^A QS ^L LEV ^C AE ^L CG ^Q HQ ^L N ^L Y ^Q TP ^K KK...EL ^K AH ^G R ^D I ^Q DI ^I GQ ^Q Q ^K RA ^L E ^I AA ^A GN ^H N ^L LL ^F L ^G PP	220
NTDB id 1349 HI 1117 AAC22771.1	SDQ ^N T ^V FA ^Q T ^L LD ^V V ^Q E ^L NG ^Q E ^K L ^P LA ^T E ^I V ^K ESA ^V N ^F SG ^K N ^T LD ^L DI ^I GQ ^Q Q ^H AK ^R AI ^T IA ^A AG ^Q H ^N LL ^F L ^G PP	224
NTDB id 1387 A4U84 RS06900 WP 020457569.1	SNT ^Q T ^V CA ^S TL ^L Q ^V V ^N FL ^N NR ^D Q ^L PIA ^Q QL ^S QN ^I AE ^N .R ^P L ^V S ^R DL ^T DI ^I GQ ^Q Q ^H AK ^R AI ^T IA ^A SG ^Q H ^N LL ^F L ^G PP	223
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NTDB id 1323 RA0C RS07335 WP 004916218.1	GS ^G K ^T ML ^A K ^R IP ^S IL ^P PL ^T L ^K E ^A ET ^T K ^I HS ^V AG ^K MGA ^E TS ^L MT ^I RP ^F RS ^P HH ^T IS ^D VAL ^V GG ^S Y ^P Q ^P GE ^I SLA	298
NTDB id 1271 LPP RS03220 WP 011213198.1	CS ^G K ^T M ^A K ^R FS ^T LL ^P EL ^S ET ^Q AE ^C AA ^I NS ^I R ^G K ^L P.DF ^R E ^W AL ^P PF ^R APH ^H TAS ^P VAL ^V GG ^G N ^P PK ^P GE ^I SLA	294
NTDB id 1248 GC085 RS03150 WP 011213198.1	CS ^G K ^T M ^A K ^R FS ^T LL ^P EL ^S ET ^Q AE ^C AA ^I NS ^I R ^G K ^L P.DF ^R E ^W AL ^P PF ^R APH ^H TAS ^P VAL ^V GG ^G N ^P PK ^P GE ^I SLA	294
NTDB id 227886 XcfCFBP6991P RS19750 WP 099802461.1	CG ^G K ^T L ^L AS ^R LP ^G LL ^P EA ^S E ^A E ^A ETA ^A ISS ^S IS ^G RG ^L .DL ^A R ^W R ^Q RP ^Y APH ^H TAS ^A VAL ^V GG ^G TH ^P R ^P GE ^I SL ^S	294
NTDB id 1153 A1552VC RS00115 WP 000521788.1	CT ^G K ^T ML ^A S ^R LC ^D LL ^P EMS ^D EE ^A ME ^T AS ^I AS ^I TQ ^Q E ^I .NQ ^H N ^W K ^L RP ^F APH ^H SS ^S MA ^A L ^V GG ^G T ^I PR ^P GE ^I SLA	294
NTDB id 1397 DSB67 RS15690 WP 005535577.1	CT ^G K ^T ML ^A S ^R LC ^D LL ^P EMS ^D EE ^A ME ^T AS ^V AS ^I TQ ^S E ^I .NE ^H N ^W K ^T RP ^F APH ^H SS ^S MA ^A L ^V GG ^G SV ^P R ^P GE ^I SLA	294
NTDB id 1349 HI 1117 AAC22771.1	CT ^G K ^T ML ^A S ^R L ^T GL ^L PE ^M TD ^L E ^A ET ^A SV ^T SV ^L VQ ^N EL.NF ^H N ^W K ^Q RP ^F APH ^H SAS ^M PAL ^V GG ^G T ^I PR ^P GE ^I SLA	298
NTDB id 1387 A4U84 RS06900 WP 020457569.1	CT ^G K ^T ML ^A S ^R LAD ^L LL ^P EME ^D EA ^E ETA ^S VS ^T SV ^L VQ ^N EL.NF ^Q N ^W K ^Q RP ^F PH ^S PH ^S MA ^V AL ^V GG ^G S ^I PK ^P GE ^I SLA	297
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NTDB id 1349 HI 1117 AAC22771.1
NTDB id 1387 A4U84 RS06900 WP 020457569.1
consensus



 non conserved
 similar
 ≥ 50% conserved