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NTDB id 624 LCA RS00040 WP 011373726.1	M I N R V V L V G R L T R D V D L R Y T S S G A A V G T F S M A V N R Q F T N A N G D R E A D F I N C V I W R K S A E N F A N F T K K G S L V G V D G R L Q T R	80
NTDB id 113 BSU 40900 NP 391970.1	M L N R V V L V G R L T K D P E L R Y T P N G A A V A T F T L A V N R T F T N Q S G E R E A D F I N C V T W R R Q A E N V A N F L K K G S L A G V D G R L Q T R	80
NTDB id 597 KW2 RS01935 WP 021036727.1	. M N K T M L I G R L T N A P E I S K T T N N K S Y V R V T L A V N R R F K N E K G E R E A D F I S I I L W G K S A E T L V S Y A K K G S L I S V E G E I R T R	79
NTDB id 977304 MGAS37849 RS00735 WP 003053955.1	M Y N K V I A I G R L V A K P E L V K T A T D K H V A R L S L A V N R R F K N A S G E R E A D F I S V V W G K L A E T L V S Y A K K G S L M S I D G E L R T R	80
NTDB id 498 SM12261 RS01980 WP 000282464.1	M Y N K V I M I G R L T S T P E L H K T N N D K S V A R A T I A V N R R Y K D Q N G E R E A D F V N M V L W G K L A E S L A S Y A T K G S L I S V D G E L R T R	80
NTDB id 526 SMSK321 RS08825 WP 000282440.1	M Y N K V I L I G R L T S T P E L H K T N N D K S V A R A T I A V N R R Y K D Q N G E R E A D F V N M V L W G R L A E T L A S Y A T K G S L I S V D G E L R T R	80
NTDB id 268 KZH43 RS08520 WP 000282467.1	M Y N K V I M I G R L T S T P E L H K T N N D K S V A R A T I A V N R R Y K D Q N G E R E A D F V N M V L W G R L A E T L A S Y A T K G S L I S V D G E L R T R	80
NTDB id 227 SPD RS09110 WP 000282467.1	M Y N K V I M I G R L T S T P E L H K T N N D K S V A R A T I A V N R R Y K D Q N G E R E A D F V N M V L W G R L A E T L A S Y A T K G S L I S V D G E L R T R	80
NTDB id 193 SPR RS08685 WP 000282467.1	M Y N K V I M I G R L T S T P E L H K T N N D K S V A R A T I A V N R R Y K D Q N G E R E A D F V N M V L W G R L A E T L A S Y A T K G S L I S V D G E L R T R	80
NTDB id 158 SP RS09595 WP 000282442.1	M Y N K V I L I G R L T S T P E L H K T N N D K S V A R A T I A V N R R Y K D Q N G E R E A D F V N M V L W G R L A E T L A S Y A T K G S L I S V D G E L R T R	80
NTDB id 409 SMU RS08940 WP 002263454.1	M Y N K V I L I G R L V A T P E V V K T P K D K S V T R V T L A V N R R F K S Q D G E K Q A D F V N V L W G R L A E T I A S Y G S K G S L I S I D G E L R T R	80
NTDB id 583 DLJ51 RS09560 WP 002962590.1	M Y N K V I L I G R L T A A P E V V K T P S N K S V T H I T L A V N R R F K T Q D G E R Q A D F V N V F W G K L A E S L V S Y A G K G S L V S L D G E I R T R	80
consensus	***!*****!!!!* **** *! ***** * *!!!!** *!*!!!!!!*****!*****!*****!*****!*****!*****!*****!*****!*****!*****!	

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NTDB id 624 LCA RS00040 WP 011373726.1	R F E K N G Q M N Y V T E V L V T G F Q L L E S R A Q R A M R E N N A G	153
NTDB id 113 BSU 40900 NP 391970.1	N Y E N Q G G R V V Y V T E V V D N F S L L E S R T T T E Q R G D G A S Q N F N S N Q S N G S Q Q S G F T S P Q Q T G N A P A A N N T Q A D P	155
NTDB id 597 KW2 RS01935 WP 021036727.1	N Y E N Q G G R V F V T E V Q A E S V Q F L E P K N G G S G S G G Y N E G N S G G G Q Y F G G G Q N D N P F G G N Q N N Q R R N Q G N S F N D D P	116
NTDB id 977304 MGAS37849 RS00735 WP 003053955.1	N Y T D K N E Q K H Y I T E I L G L S Y D L L E S R A T L A L R E S A V K	116
NTDB id 498 SM12261 RS01980 WP 000282464.1	K Y D . K D G Q V H Y V T E V L C Q S F Q L L E S R A Q R A M R E N N V T	116
NTDB id 526 SMSK321 RS08825 WP 000282440.1	R F E . K N G Q M N Y V T E V L V T G F Q L L E S R A Q R A M R E N N A G	116
NTDB id 268 KZH43 RS08520 WP 000282467.1	R F E . K N G Q M N Y V A E V L V T G F Q L L E S R A Q R A M R E N N A G	116
NTDB id 227 SPD RS09110 WP 000282467.1	R F E . K N G Q M N Y V T E V L V T G F Q L L E S R A Q R A M R E N N A G	116
NTDB id 193 SPR RS08685 WP 000282467.1	R F E . K N G Q M N Y V T E V L V T G F Q L L E S R A Q R A M R E N N A G	116
NTDB id 158 SP RS09595 WP 000282442.1	R F E . K N G Q M N Y V T E V L V T G F Q L L E S R A Q R A M R E N N A G	116
NTDB id 409 SMU RS08940 WP 002263454.1	K Y E . K D G V T H F V T E V L G H S F Q L L E S R A Q R A M R E N N S E	116
NTDB id 583 DLJ51 RS09560 WP 002962590.1	H Y E . K D G Q T H Y V T E I L A Q S F Q L L E S R A Q R A L R E N N G A	116
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NTDB id 624 LCA RS00040 WP 011373726.1	F A N N G Q A I D I S D D D L P F	170
NTDB id 113 BSU 40900 NP 391970.1	F A N D G K P I D I S D D D L P F	172
NTDB id 597 KW2 RS01935 WP 021036727.1	 T E E L L E A D E L P F	129
NTDB id 977304 MGAS37849 RS00735 WP 003053955.1	. . N D L V D L V L E E D T L P F	131
NTDB id 498 SM12261 RS01980 WP 000282464.1	. . Q D L A D L V L E E E E L P F	131
NTDB id 526 SMSK321 RS08825 WP 000282440.1	. . Q D L A D L V L E E E E L P F	131
NTDB id 268 KZH43 RS08520 WP 000282467.1	. . Q D L A D L V L E E E E L P F	131
NTDB id 227 SPD RS09110 WP 000282467.1	. . Q D L A D L V L E E E E L P F	131
NTDB id 193 SPR RS08685 WP 000282467.1	. . Q D L A D L V L E E E E L P F	131
NTDB id 158 SP RS09595 WP 000282442.1	. . Q D L A D L V L E E E E L P F	131
NTDB id 409 SMU RS08940 WP 002263454.1	. . N D L A D L V L E E E E L P F	131
NTDB id 583 DLJ51 RS09560 WP 002962590.1	. . S D L T D L V L E E E E L P F	131
consensus	*****!!!!	

☒ non conserved
☒ similar
☒ ≥ 50% conserved