

logo

NTDB id 305654 DV115 RS08210 WP 003754272.1
NTDB id 1095 KZH42 RS10215 WP 002225638.1
consensus

M S P E T R Q K L K I T D V S A K K L D K L N L H T A W D L V L H L P L R Y E D E T H I M P I K D A P I G V P C Q V E G E V I H Q E V T F K P R K Q L I V Q I
 M M P P E T R Q K Q L K I T D V S A K K L D K L N L H T A W D L V L H L P L R Y E D E T H I M P I K D A P I G V P C Q V E G E V I H Q E V T F K P R K Q L I V Q I
 M M S P E T R Q K Q L K I T D V S A K K L D K L N L H T A W D L V L H L P L R Y E D E T H I M P I K D A P I G V P C Q V E G E V I H Q E V T F K P R K Q L I V Q I
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logo

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consensus

ADSGSVLFLRFIHFYASGHHQKQTAAAGKRIRAVGEIKHGFYGDEMIHPKIRDAEGGGLAESLTPVYPTVNGLNQPTLRRII
ADDSGSVLFLRFIHFYAGHHQKQTAAAGKRIRAVGEIKHGFYGDEMIHPKIRDAEGGGLAESLTPVYPTVNGLNQPTLRRII
ADSGSVLFLRFIHFYASHHQKQTAVGKRIRAVGEIKHGFYGDEMIHPKIRDAEGGGLAESLTPVYPTVNGLNQPTLRRII

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Q T A L D V T P L H D T L P D A L L C R L K L P H L A E S L R L L H S P P P S F T I H Q L S D G T L P A W Q R L K F D E L L A Q Q L S M R L A R Q K R I G G S A
Q T A L D V T P L H D T L P D A L L C R L K L P H L A E S L R L L H S P P P S F T I H Q L S D G T L P A W Q R L K F D E L L A Q Q L S M R L A R Q K R I G G S A
Q T A L D V T P L H D T L P D A L L C R L K L P H L A E S L R L L H S P P P S F T I H Q L S D G T L P A W Q R L K F D E L L A Q Q L S M R L A R Q K R I G G S A *

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240

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AALRGNGVLTQALRRALPFALTDQENKVSLEYQTDMAQTYHMPHRLQLQDVGSGKTIVAALSALTAIESGAQVAVMAPTEI
 AALRGNGVLTQALRRALPFALTDQENKVSLEYQTDMAQTHPMHRLQLQDVGSGKTIVAALSALTAIESGAQVAVMAPTEI
 AALRGDGTLTQALRQALPFALTDQEKVSEICRDMATQYPMHRLQLQDVGSGKTIVAALSALTAIESGAQVAVMAPTEI
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LAEQHFIFKFKQWLEPLGIEWRLEFGLSRKKAKDEAKAKLADGSVKIAVGTHALFSDGVAFHNLGLTIVDEQHRFGVAQRILAEQHFIKFKQWLEPLGIEVVRLEFGLSRKKAKDEAKAKLADGSVKIAVGTHALFSDGVAFHNLGLTIVDEQHRFGVAQRILAEQHFIKFKQWLEPLGIEVVRLEFGLSRKKAKDEAKAKLADGSVKIAVGTHALFSDGVAFHNLGLTIVDEQHRFGVAQRIL

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ALKNKGRE¹VHQL²MSAT³IP⁴RTL⁵AM⁶SF⁷FAD⁸LD⁹VS¹⁰VI¹¹D¹²E¹³L¹⁴PP¹⁵GR¹⁶TP¹⁷IK¹⁸TRL¹⁹V²⁰NN²¹VR²²RT²³E²⁴VE²⁵GF²⁶VL²⁷NT²⁸CR²⁹K³⁰GR³¹Q³²AY³³W³⁴VC³⁵PL³⁶I³⁷
 ALKNKGRE¹VHQL²MSAT³IP⁴RTL⁵AM⁶SF⁷FAD⁸LD⁹VS¹⁰VI¹¹D¹²E¹³L¹⁴PP¹⁵GR¹⁶TP¹⁷IK¹⁸TRL¹⁹V²⁰NN²¹VR²²RT²³E²⁴VE²⁵GF²⁶VL²⁷NT²⁸CR²⁹K³⁰GR³¹Q³²AY³³W³⁴VC³⁵PL³⁶I³⁷
 ALKNKGRE¹VHQL²MSAT³IP⁴RTL⁵AM⁶SF⁷FAD⁸LD⁹VS¹⁰VI¹¹D¹²E¹³L¹⁴PP¹⁵GR¹⁶TP¹⁷IK¹⁸TRL¹⁹V²⁰NN²¹VR²²RT²³E²⁴VE²⁵GF²⁶VL²⁷NT²⁸CR²⁹K³⁰GR³¹Q³²AY³³W³⁴VC³⁵PL³⁶I³⁷

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E E S E T L Q L Q T A A E T L A R L Q T A L P E L N I G L V H G R M K A A E K A E V M A R F S S G R L N V L V A T T V I E V G D V P N A A L M V I E H A E R M
 E E S E T L Q L Q T A A E T L A R L Q T A L P E L N I G L V H G R M K A A E K A E V M A R F S S G R L N V L V A T T V I E V G D V P N A A L M V I E H A E R M
 E E S E T L Q L Q T A A E T L A R L Q T A L P E L N I G L V H G R M K A A E K A E V M A R F S S G R L N V L V A T T V I E V G D V P N A A L M V I E H A E R M

560
560

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consensus



680
680

-  non conserved
-  similar
-  ≥ 50% conserved