

logo

NTDB id 94330 RN86 RS04510 WP 172672772.1

NTDB id 323 STU RS10650 WP 011225396.1

NTDB id 291 STER RS01205 WP 011680685.1

consensus

MMGLITFLLIFCVIWFHEFGHFFFAKRSGILVREFAIQMGPKIFAHTGKDGTAYTIRILPLGGYVRMAGWSDDATEIKTGIPVS
MKAIITFLLIFCVIWFHEFGHFFFAKRSGILVREFAIQMGPKIFAHTGKDGTVYTIIRILPLGGYVRMAGWGEDTTEIKTGSPAS
MKAIITFLLIFCVIWFHEFGHFFFAKRSGILVREFAIQMGPKIFAHTGKDGTVYTIIRILPLGGYVRMAGWGEDTTEIKTGSPAS
!***!!***!***!!**!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!

85
85
85

logo

NTDB id 94330 RN86 RS04510 WP 172672772.1

NTDB id 323 STU RS10650 WP 011225396.1

NTDB id 291 STER RS01205 WP 011680685.1

consensus

LTLEEGKVIIRVNLSGKKIDQ TALPMNVTAYDLEDKLTITGLVLGETKTYEVDHDAIVEEDGTELRAPKDVQYQNASIWGRLL
LTLEEGKVIIRVNLSGKKIDQ TALPMNVTAYDLEDKLTITGLVLGETKTYEVDHDAIVEEDGTELRAPKDVQYQNASIWGRLL
LTLEEGKVIIRVNLSGKKIDQ TALPMNVTAYDLEDKLTITGLVLGETKTYEVDHDAIVEEDGTELRAPKDVQYQNASIWGRLL
!!!***!!**!*!!!!***!!**!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!

170
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170

logo

NTDB id 94330 RN86 RS04510 WP 172672772.1

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NTDB id 291 STER RS01205 WP 011680685.1

consensus

TNFAGPMNNFILGVLFVFIILAFVQGGVQDTSNLQVANGGAAQVSGLKTGDAIVAINKDKVTDWDSLKEALRENTQKFSKGDLS
TNFAGPMNNFILGVLFVFIILAFVQGGVQDTSNLQVANGGAAQVSGLKTGDAIVAINKDKVTDWDSLKEALRENTQKFSKGDLS
TNFAGPMNNFILGVLFVFIILAFVQGGVQDTSNLQVANGGAAQVSGLKTGDAIVAINKDKVTDWDSLKEALRENTQKFSKGDLS
!!!!!!!!!!!!!!***!*!!!!***!!**!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!

254
255
255

logo

NTDB id 94330 RN86 RS04510 WP 172672772.1

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consensus

SVTVKRSGNGQEETISVKPKQSGSYFLGVSPVLKTGLKDKIFGGFQMAWEGATAILATLKGLITNFSNLKLGPPVAMFQMSAQAS
NLTVKRS.GNETKDVTVSPKKEGDRYLLGVTPGMKSDLMSTMVGGLTMAWDAAFRITLNAKLNLIHFHPSLNQLGGPVAMFQMSAQAS
SVTVKRSGNGQEETISVKPKQSGSYFLGVSPVLKTGLKDKIFGGFQMAWEGATAILATLKGLITNFSNLKLGPPVAMFQMSAQAS
SVTVKRSGNGQEETISVKPKQESQGSYFLGVSPVLKTGLKDKIFGGFQMAWEGATAILATLKGLITNFSNLKLGPPVAMFQMSAQAS
!!!!**!*!!!!*****!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!

338
340
340

logo

NTDB id 94330 RN86 RS04510 WP 172672772.1

NTDB id 323 STU RS10650 WP 011225396.1

NTDB id 291 STER RS01205 WP 011680685.1

consensus

ESGLISILDLMGMLSINLGIFNLPIPALDGGKIVLNIEAIRRKPLNQEIESYITLAGVAMVVLMIAVTWNDIMRAFF
QAIGDQVTSLLALLSINLGIFNLPIPALDGGKIVLNIEAIRRKPLNQEIESYITLAGVAMVVLMIAVTWNDIMRAFF
ESGLISILDLMGMLSINLGIFNLPIPALDGGKIVLNIEAIRRKPLNQEIESYITLAGVAMVVLMIAVTWNDIMRAFF
ESGLISILDLMGMLSINLGIFNLPIPALDGGKIVLNIEAIRRKPLNQEIESYITLAGVAMVVLMIAVTWNDIMRAFF
!!***!***!!!!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!

418
420
420

- ☒ non conserved
- ☒ similar
- ☒ ≥ 50% conserved