

logo

NTDB id 1014 ACIAD RS13855 WP 004924483.1
NTDB id 595 KW2 RS08725 WP 021037687.1
NTDB id 1159 ABDM36 RS04765 WP 001166105.1
NTDB id 1150 A1552VC RS08580 WP 001166105.1
NTDB id 1395 DSB67 RS04445 WP 010649155.1
NTDB id 1362 HI 1008 AAC22669.1
NTDB id 189618 A6B39 RS00970 WP 176669352.1
NTDB id 1382 A4U84 RS07375 WP 062924234.1
consensus

MEKILDKLKEYWKIMLLVVCAL IAGGIFYIFTNSPKPAETLSVENLSSSSSTKSSVSKFNSSSSEKNKNEIMVDLKGAVAK
.....
MEKILDKLKEYWKIMLLVVCAL IAGGIFYIFTNSPKPAETLSVENLSSSSSTKSSVSKFNSSSSEKNKNEIMVDLKGAVAK
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consensus

PNVYQISSDERLVDLIRQAGGFTDQADQKSI NLSAKIKDEE.VIYVPKVGES.....SS.....SESTDSP
.....MSIRH.FFTFFWATLLTLFSMQIVFAQGFDDQQYDAWKTTQKKAHDTIRLNSS
PNVYQISSDERLVDLIRQAGGFTDQADQKSI NLSAKIKDEE.VIYVPKVGES.....SS.....SESTDSP
.....MQIKTKIVTLFLS.LCLPTLPLL.....ANAE.....ETAP
.....MQIKTKIVTLFLS.LCLPTLPLL.....ANAE.....ETAP
.....MKWMLT.LCLLILAPM.....SWAE.....TKT
.....MKT...FTSVVLCGALVSS.....SFAEEKATXQTAQSVV
.....MKKIKAFITLSLLIGL.SSHT.....FA.QTQPINNTEQAPP
.....MKKLSRYTFSLLFLG.FSAT.....TFAEKVTTSIEHTP.
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49
141
30
30
22
34
34
34

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consensus

ASHHSLSKPTQQSGTGKVNINSA TAKELQ.QLHGVEKKALAIVEYRQQYGKFAVDDLQKVKGIGPKFI EKNRDRLAT
GSSVSNI...STTSQPKVNINKADLTTELQ.KLTGIGQKKAQDIIDFRMKNNGDFKSI EDLGKVSFGDKTLEKLEKDEISI
AAQVEE.....GIVITVNINTASAEELATLLKGIGLKKQAIVDYREANGPFTTHIDDLTNVKGIGEGATVRNNAARILL
AAQVEE.....GIVITVNINTASAEELATLLKGIGLKKQAIVDYREANGPFTTHIDDLTNVKGIGEGATVRNNAARILL
KADKYE.....GIEITVNINSATAQEIATLLIGIGEKKAQDIVEYRNEHGPFKTAADLTQKVKGIGEGATVRKNEDRILL
TTQAEA..QVAPAVVSDKLNINTATASEIQKSLTGIGAKKAEIAIVQYREKHGNFXNAEQ LLEVQGIGKATLEKNRDRIF
.TQAVEQVTNQSRINPNAVNINLASAAELQDKLVGIGEKKAQIVDYRTKNGNFKSTIEQLTEVSGIGQATLEKNRANIVL
..VVMQQAATQKVNANV VNINTATASEIQDKLVGIGAKKAQIVDYREKNGKFLNVEQLTEVSGIGKATLEKNRDCIVI
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128
217
103
103
95
112
113
112

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consensus

E
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D
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E
E

128
218
103
103
95
112
114
113

 non conserved
 similar
 $\geq 50\%$ conserved