

logo

NTDB id 153889 F822 RS08140 WP 025041849.1  
NTDB id 1118 NGFG RS11455 WP 003696286.1  
consensus

MFSFFRRKKKQETPAL~~EE~~AQVQETAAKVESEVAQIVGN~~IKED~~VESLAESVKGRAESAVETVSGAVEQVKETVAEMPSEAGEAAER  
.....  
MFSFFRRKKKQETPAL~~EE~~AQVQETAAKVESEVAQIVGN~~IKED~~VESLAESVKGRAESAVETVSGAVEQVKETVAEMPSEAGEAAER  
\*\*\*\*\*

0  
85

logo

NTDB id 153889 F822 RS08140 WP 025041849.1  
NTDB id 1118 NGFG RS11455 WP 003696286.1  
consensus

VESAKEAVAETVGEAFFKSKEAA~~TPAL~~EAKLGA~~AR~~YRQGLAKSRD~~NMGR~~SLSGYFGGQIGEDLYEELETYL~~LT~~ADAG~~ME~~AT~~EW~~  
.....MPGFFKSKNSAAPAEPASTNWSARVRQGLSRT~~RDN~~LGRRLSGLFGGGKID~~EAL~~YEELETILLTADAGV~~NATT~~W  
VESAKEAVAETVGEAVGVQVEAVATTEEHKLGWAARLKQGLAKSRDKMAKSLAGVFGGQIGEDLYEELETVLITGDMGMEATEY  
\*\*\*\*\*

73  
170

logo

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consensus

LMKEYRSRVSRKGLTD~~GNQ~~LRGALQEALYDL~~KE~~PLVQPL~~DT~~PT~~ET~~SKPFYIMLAGYNGAGKTT~~S~~IGKLA~~KY~~FQLQ~~RK~~IVLLAAGDT  
LLGELRSEVKRKGLTDAAQLK~~GAL~~QEALAA~~L~~EPLVQPLDT.DTSKPF~~I~~IMLAGVNGAGKTTSIGKLAHYFQLQRK~~T~~VLLAAGDT  
LMKDVRGRVSLKGLKDGNE~~L~~RGALKEALYDLIKPLEKPLVLPETKEPFVIMLAGINGAGKTTSIGKLA~~KY~~FQAQ~~GK~~SVLLAAGDT  
!\* \*\*!

157  
255

logo

NTDB id 153889 F822 RS08140 WP 025041849.1  
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consensus

FRAAAREQLMAWGERNNVT~~VI~~SAQENSGQ~~QK~~GD~~PA~~AVCFDAV~~Q~~AAKARGIDIVLADTAGRL~~PT~~Q~~L~~HLMEEIKKVKRV~~L~~QKAI~~PG~~AP  
FRAAAREQLMAWGERNNVAVIAQENSGQ~~QK~~GD~~PA~~AVCFDAV~~Q~~AAKARGIDIVLADTAGRL~~PT~~Q~~L~~HLMEEIKKVKRV~~L~~QKAI~~PG~~AP  
FRAAAREQLMAWGERNNVTVISQ.....TTGD~~SA~~AVCFDAV~~Q~~AAKARGIDIVLADTAGRL~~PT~~Q~~L~~HLMEEIKKVKRV~~L~~QKAI~~PG~~AP  
!!!!!!!!!!!!

242  
335

logo

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consensus

HET~~LV~~LDANTGQNAV~~QV~~AFDDALGLTGLIVTKLDGTAKGGY~~LA~~ALAS~~RQ~~RQK~~KT~~PL~~PI~~RF~~IG~~VGEGLDDLRPF~~DA~~SEFV~~EAL~~F  
HET~~LV~~LDANTGQNAV~~QV~~AFDDALGLTGLIVTKLDGTAKGGY~~LA~~ALAS~~RQ~~RQK~~KT~~PL~~PI~~RF~~IG~~VGEGLDDLRPF~~DA~~SEFV~~EAL~~F  
HEI~~LV~~LDANIGQNAV~~NQ~~VKAFDDALGLTGLIVTKLDGTAKGGY~~LA~~ALAS~~RQ~~RQK~~KT~~PL~~PI~~RF~~IG~~VGEGLDDLRPF~~DA~~SEFV~~EAL~~F  
!! \*!!!!!!

327  
416

logo

NTDB id 153889 F822 RS08140 WP 025041849.1  
NTDB id 1118 NGFG RS11455 WP 003696286.1  
consensus

D  
D  
!

328  
417

X

non conserved

X

similar

X

≥ 50% conserved