

logo

NTDB id 113065 KR100 RS00900 WP 204207798.1
NTDB id 1410 SGL RS13950 WP 010873519.1
consensus

MTSSSSSSKKSRAVALRNYFSFPGNKL VAGGHVDAEQLRQALVQVKKTGRSLPEELKAVTGRELSPELLRQYKKNQLFELK
.....
MTSSSSSSKKSRAVALRNYFSFPGNKL VAGGHVDAEQLRQALVQVKKTGRSLPEELKAVTGRELSPELLRQYKKNQLFELK

0
80

logo

NTDB id 113065 KR100 RS00900 WP 204207798.1
NTDB id 1410 SGL RS13950 WP 010873519.1
consensus

VLYGVDSVDPEVAPIATQQMAELIGRFFDLDGWKAIPATPVSLDEHH...LA...VAVPSHWEGPQGEELVSRL...SKLNR
.....
VLYGVDSVDPEVAPIATQQMAELIGRFFDLDGWKAIPATPVSLDEHH...LA...VAVPSHWEGPQGEELVSRL...SKLNR

46
160

logo

NTDB id 113065 KR100 RS00900 WP 204207798.1
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consensus

EIVLQPALQS.....DLEAAWTNSQSASNSETQSAAASAADAAGTSETNESSSQDVEETAASYLEEF.SAEGVLEEDPE
LVVTQDDFNQLLEQYYAIREEWEAAQEKRDQERA.....LDKLNLDLTDIVGSDIMNL.
! * ***** * ! * ! ***** ! * * ! ** **

119
212

logo

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consensus

EQAGEDKEDVDNELSSRDANQSPVYTLVNRLLQAMSVSTSDIHVEPQKTLRLRYRQDGVLNQYLEPLPSRLTPAVTSR
EQAQINSSTVDLEESLRDAEASPVVTLVDRIILLQAMSVSASDIHVEPQKGLRLRYRQDGVLNQYIEPLPSRLIPAVTSR
...GEDKEDVDNALDSNDANQAPVTLNVLKILAKALQEGTSDIHVEPQEETLRIRFRKDGVLNQAFDPLPRKITPAVVAR
*** !! !! !* !! *! !* !!!!!!! !*!* !!!!!*!!!! *!! ** !!! !

199
289

logo

NTDB id 113065 KR100 RS00900 WP 204207798.1
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consensus

FKILADMDIAERRSPQDGRIRRYRGKQDFRVNTLPSRYGEKVCLRLDSSATQLGLDKLISNPDTLSIVRDLGAKPFG
FKILADMDIAERRSPQDGRIRRYRGKQDFRVNTLPSRYGEKVCLRLDSSATQLGLDKLISNPDTLSIVRDLGAKPFG
FKIMADMEDIAERRSPQDGKIRRIYQGRKVDFRVNTLPSRYGEKVCLRLDSSATQLGLDFLITNPETLQTVRELAARPYG
!!!!*!!!!!! *!!!!!! ! ! *!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!

279
369

logo

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consensus

MLVLTGPTGSGKSTTLYSLAERNSPGYNLSTXEDPIEYALPGITQCVNREKGMDFSTALRAFMRQDPDVLLVGETRDL
MILVTGPTGSGKSTTLYSLAERNDPGINISTVEDPIEYTLPGITQCQVNREKGFDFATALRAFMRQDPDVLLVGETRDL
LMLVTGPTGSGKSTTLYSLAERNSPENVINTAEDPIEYALPGITQCVNIREKGMDFSNILRAFMRQDPDVLLVGETRDK
!!!!!!!!!!!!!!!!!!!!!! ! *!! ! !!!!!!! !!!!!!!*!! !!!!!!! !!!!!!!*!!!!!!

359
449

logo

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consensus

ETAKTAIEAALTGHLVLTTLHANDAPSTIARLDENGVEPFMVSGSLGGYSSQRLMRVCTACRYPYHPDEEELSRFGLSA
ETAKTAIEAALTGHLVLTTLHANDAPSTIARLDENGVEPFMVSAALIGIVSQRLMRVCTACRVPYHPDEQELGRFGLMA
ETAKTAIEAALTGHLVLTTLHTNDAAGAIARLDENGVEPFMVSGSLLGVLAQRLMRKVCTECRIAYHPSKEELSRFGLSA
!!!!!!!!!!!!!!!!*!!!!!! !!!* !!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!

439
529

logo

NTDB id 113065 KR100 RS00900 WP 204207798.1
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consensus



511
609

logo

NTDB id 113065 KR100 RS00900 WP 204207798.1
NTDB id 1410 SGL RS13950 WP 010873519.1
consensus



573
672

- non conserved
- similar
- ≥ 50% conserved