

logo

NTDB id 418740 SynMITS9220 RS00100 WP 186989867.1
NTDB id 1410 SGL RS13950 WP 010873519.1
consensus

MTSSSSSKKSRAVALRNYFSPFGNKL VAGGHVDAEQLRQALVQVKKTGRSLPEELKAVTGRELSPPELLRQYKKNQ
.....
MTSSSSSKKSRAVALRNYFSPFGNKL VAGGHVDAEQLRQALVQVKKTGRSLPEELKAVTGRELSPPELLRQYKKNQ

0
75

logo

NTDB id 418740 SynMITS9220 RS00100 WP 186989867.1
NTDB id 1410 SGL RS13950 WP 010873519.1
consensus

LFELKVLYGVDSVDPEVAPIATQQMAELIGRFFPLDDCRRHLELELLQRT.PPSVLSMVEPSNRI
.....MSDDRRHLELELLQRT.PPGELVSADPSLLQE
LFELKVLYGVDSVDPEVAPIATQQMAELIGRFFPLDTCRRFKFLPLAQEGEDPPSVLVAMVDPDNLAQDELNRI
***** !!!* !!!* !!!* !!!* !!!* !!!* !!!

33
150

logo

NTDB id 418740 SynMITS9220 RS00100 WP 186989867.1
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consensus

LRVKGFEPPVRLWYTQERLTQLSQYYGRLRELPWAAQQ
LRAKGFDPVRHAALAEERLTLLSKNVGKIDEVPAQEQAITETSQRSNSAVATNSQTSAPESSESVAETATSYL
LRVKGFEPLRRIVVTQDDFNQLLEQYYAIREEWEAAQE.....KRD....QERALDKL
!* !!!* !!!* !!!* !!!* !!!* !!!* !!!* !!!* !!!* !!!* !!!* !!!* !!!* !!!* !!!* !!!

108
198

logo

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consensus

NDLTWYGSLEMPGKKELDSTGPDVNESGSNDANRSPVINLVNRILMAQLQLGTSDIHVEPQEQETLRFRFRQDG
KDF.TVGGILEADPDEKAEDSTGPDLESGLNDAERSPVIDLVDRILMQALELDA SDIHVEPQQAGLQIRFRQDG
NDLTDIVGSIDMNLGEDKE....DVDNALDSNDANQAPVINLVNKLAKALQEGTSDIHVEPQEETLRIRFRKDG
!* !!!* !!!* !!!* !!!* !!!* !!!* !!!* !!!* !!!* !!!* !!!* !!!* !!!* !!!* !!!* !!!

182
269

logo

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consensus

VLQSQIETLPSRLVPAVTSRFKIMADLDIAERRVPQDGRIRRRFQNRVTDFRVNSLPSRYGEKIVLRLDSSATQ
VLNQAFDPLPRKITPAVVARFKIMADMDIAERRSPQDGKIRRIYQGRKVDFRVNTLPSRYGEKVCLRLDLSATQ
!!* !!!* !!!* !!!* !!!* !!!* !!!* !!!* !!!* !!!* !!!* !!!* !!!* !!!* !!!* !!!* !!!

257
344

logo

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consensus

LGLDKLITNAEALQLVRTLGSRPYGLMLVTGPTGSGKSTTLYSLAERNSPGYNISTXEDPIEYALPGITQVQVNI
LGLDKLITNAEALQLVRTLGSRPYGLMLVTGPTGSGKSTTLYSLAERNSPGYNISTXEDPIEYALPGITQVQVNI
LGLDFLITNPETLQTVRELAARPYGLMLVTGPTGSGKSTTLYSLAERNSPGYNINTAEDPIEYALPGITQVQVI
!!!! !!!* !!!* !!!* !!!* !!!* !!!* !!!* !!!* !!!* !!!* !!!* !!!* !!!* !!!* !!!* !!!

332
419

logo

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consensus

REKGFDFSQALRAFMRQDPDVILVGETRDKETAKTAIEAALTGHLVLTTLHTNDAPSAIARLDENGVEPFMVSGS
REKGFDFSQALRAFMRQDPDVILVGETRDKETAKTAIEAALTGHLVLTTLHTNDAPSAIARLDENGVEPFMVSGS
REKGMDFSNIILRAFMRQDPDVILVGETRDKETAKTAIEAALTGHLVLTTLHTNDAPSAIARLDENGVEPFMVSGS
!!!! !!!* !!!* !!!* !!!* !!!* !!!* !!!* !!!* !!!* !!!* !!!* !!!* !!!* !!!* !!!* !!!

407
494

logo

NTDB id 418740 SynMITS9220 RS00100 WP 186989867.1
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consensus



474
569

logo

NTDB id 418740 SynMITS9220 RS00100 WP 186989867.1
NTDB id 1410 SGL RS13950 WP 010873519.1
consensus



549
644

logo

NTDB id 418740 SynMITS9220 RS00100 WP 186989867.1
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consensus



576
672

 non conserved
 similar
 ≥ 50% conserved