

NTDB id 458 SSUD9 RS00355 WP 002935296.1	MNDKEFGGQVRVRQLRESASMTREQFCDDLELSVRQLTRIEAGASKPTFSKIQYIATRGLMGLYELM.PDYVSLPE	74
NTDB id 455 SSU RS00330 WP 012774888.1	MNDKEFGGQVRVRQLRESASMTREQFCDDLELSVRQLTRIEAGASKPTFSKIQYIATRGLMGLYELM.PDYVSLPE	74
NTDB id 465 SSU05 0053 ABP89025.1	MEVWFMNDKEFGGQVRVRQLRESASMTREQFCDDLELSVRQLTRIEAGASKPTFSKIQYIATRGLMGLYELM.PDYVSLPE	79
NTDB id 451 SPYM18 RS00325 WP 002986681.1	MLEHFGGKVKVLRLEKRIREDLGCDESELSVRQLARIELGQSIPSLSKVIFIAKALNVS VGYLTDGADLLEPK	74
NTDB id 443 SPYM3 RS00325 WP 011054099.1	MLEHFGGKVKVLRLEKRIREDLGCDESELSVRQLARIELGQSIPSLSKVIFIAKALNVS VGYLTDGADLLEPK	74
NTDB id 1127543 FGL06 RS00285 WP 039691866.1	MEVKKFGNKIRILREKKKGISREEFCGDETELSVRQLARIELNQSIPNLSKAQFIANRLGVKLGTLTDGDSLLEPK	75
NTDB id 555 STRINF RS01865 WP 174221231.1	MLEHFGGKVKVLRLEKRIREDLGCDESELSVRQLARIELNQSIPNLSKAQFIANRLGVKLGTLTDGDSLLEPK	63
NTDB id 45 SMU RS00375 WP 002263400.1	MLKDFGKKIKSLRLEKGLTKEAVCLDESQSLSTRQLTRIESGQSTPTLNKAVYIAGRLGVT LGYLTGDGNVELPS	74
consensus	* * * * *	

NTDB id 458 SSUD9 RS00355 WP 002935296.1	RYSK LKF DVLRTPTYGNEDLAEKRDMAMTTEIYDDYYDELPEEEKIVVDTLCSLFDVLDTDSQEYGKEILDDYLHQSYHRS	154
NTDB id 455 SSU RS00330 WP 012774888.1	RYSK LKF DVLRTPTYGNEDLAEKRDMAMTTEIYDDYYDELPEEEKIIDAISQRIDTTLESGTAGFGKEILEDYFEQIFRRR	154
NTDB id 465 SSUO5 0053 ABP89025.1	RYSK LKF DVLRTPTYGNEDLAEKRDMAMTTEIYDDYYDELPEEEKIAIDAISRIDTTLESGTAGFGKEILEDYFEQIFRRR	159
NTDB id 451 SPYM18 RS00325 WP 002986681.1	RYKELKYLLRLRPTYMDDGKLQVRREEQGDEIFEEDYYDKLPPEEKIIDCLQATLDITLSEGTNCFGIDLQEYFNQIKTKV	154
NTDB id 443 SPYM3 RS00325 WP 011054099.1	RYKELKYLLRLRPTYMDDGKLQVRREEQGDEIFEEDYYDKLPPEEKVAVDIIQAQFVEVYQTGDINFGYSLKEFLPLQLKRKS	154
NTDB id 1127543 FGL06 RS00285 WP 039691866.1	RYKELKYLLRLRPTYPKD E KRVNLDRDSTFYDEIYSDFYDDLPEEEQLIVECMRSKADVFLT DNSNLATKKLEDYFYQT KSKS	155
NTDB id 555 STRINF RS01865 WP 174221231.1	RYKELKYLLLRLRTPYGDQVRLDRKNDFEIIEA EVFYDVIP EEERLI IDCLQS KF DVHF SEDVN FGEG I LND YF G Q VN R KK	143
NTDB id 45 SMU RS00375 WP 002263400.1	RYKELKYLLRLRPTYGDQQRLAEKETVFDEIISFFYDDLPEEEQLIIDGLQSKL DI HFS DNID FG VG IL ND YF D Q IL RK T	154
consensus	!!**!*!***!!!!!!!** * ** ***!!*****!?!****?*****?? *	

[illegible]

NTDB id 458 SSUD9 RS00355 WP 002935296.1	IENIMELSDQDFQKKPIINLVKWKYELKVQHHEIAERYNEAITFASLINQFHLKEKLQMWEKDTQSLKR	305
NTDB id 455 SSU RS00330 WP 012774888.1	VDKIITQSTQDFQKKPIVSVLKWKYALFVDKDRDEAEKHLYLDAVLFAKLIENRELEQKIEEDWRVDNQ....	299
NTDB id 465 SSU05 0053 ABP89025.1	VDKIITQSTQDFQKKPIVSVLKWKYALFVDKDRDEAEKHLYLDAVLFAKLIENRELEQKIEEDWRVDNQ....	304
NTDB id 451 SPYM18 RS00325 WP 002986681.1	SQKIMAKIQDWNRPILKLEWVKYFLIKQDIKAEQSFMAACLFQAQTADQYLENKLKIEWEKDVKS..	303
NTDB id 443 SPYM3 RS00325 WP 011054099.1	SHFIMSTIQDFQKKMPMYCMYEWKLSIFYLKDINRARNYFEQSILFTQMTGDTYLVQKLRGEWNKDIIHYI..	303
NTDB id 1127543 FGL06 RS00285 WP 039691866.1	LKGIMAKIQDFHKKPVINMIEWKYILERFGQTEKAQKLYEEAVLYANLIGDAYLANKITEEWIKDTTT...	303
NTDB id 555 STRINF RS01865 WP 174221231.1	SEKIMTEIHDFQRRLPSLVEWKYYLKLKHFALAEQSFNTATLTFARLVGDYLENKLKEEWQLDIDAVE.	292
NTDB id 45 SMU RS00375 WP 002263400.1	SNKIMDRTHDFQKKPIVNLITWKHHLFVEKDYAEAKKSYDAAILFQAQTATENINLRENLEKEWQKDSQNGT.	304
consensus	*!* *!*****!*** **!!** *!**** *!*****!	

 non conserved
 similar
 $\geq 50\%$ conserved