

NTDB id	458	SSUD9	RS00355	WP	002935296.1	MNDKE	FQQRVVRQLRESASMTREQFC	DDELELSVRQLTRIEAGASKPTFSKI	IQYIATRGLMG	LYELM.PDYVSLPE	74	
NTDB id	465	SSU05	0053	ABP89025.1		MEVWFMNDKE	FQQRVVRQLRESASMTREQFC	DDELELSVRQLTRIEAGASKPTFSKI	IQYIATRGLMG	LYELM.PDYVSLPE	79	
NTDB id	455	SSU	RS00330	WP	012774888.1	MNDKE	FQQRVVRQLRESASMTREQFC	DDELELSVRQLTRIEAGASKPTFSKI	IQYIATRGLMG	LYELM.PDYVSLPE	74	
NTDB id	443	SPYM3	RS00325	WP	011054099.1	MLEH	FGGKVKVLRLEKRISREDLC	GDESELSVRQLARIELGQSIPSLSKVI	FIAKALNVS	VGYLTDGADLELPK	74	
NTDB id	1127152	FGK99	RS00280	WP	042669756.1	MLDN	FGEKVRLDLYQKKITREDLC	GDESELSTRQLARIELGQSIPSLSKVV	YIAKALDVS	VGFLTDGEDLELPK	74	
NTDB id	451	SPYM18	RS00325	WP	002986681.1	MLEH	FGGKVKVLRLEKRISREDLC	GDESELSVRQLARIELGQSIPSLSKVI	FIAKALNVS	VGYLTDGADLELPK	74	
NTDB id	45	SMU	RS00375	WP	002263400.1	MLKD	FGKKIKSLRLEKGLTKEAVCL	DESQSLSTRQLTRIESGSTPTLNK	AVYIAGRLGVTL	LGlyTDGENVELPS	74	
NTDB id	555	STRINF	RS01865	WP	174221231.1		MREEKEISREEFCD	ELETLSVRQLARIELNQSI	PNLKSASF	FIANRLGVKLGT	LTDGDSELELPK	63
consensus							** * ** *	* * ** !	! ! ! * ! * ! ! !	!! ! * ! ! * ! * ! !	** ! ! * * ! * * ! ! * * ! * * ! * * ! !	

[illegible]

NTDB id	458 SSUD9 RS00355 WP 002935296.1	KLSINDEMLIRLFIEHCQIEDLSVGTSNYALFTDLIEKLPQSIYDVHSESFLFIVRDLFLAIVRIILFSKELYNHIPVYIEK	234
NTDB id	465 SSU05 0053 ABP89025.1	KYEELNDLLIVRLHLLEYVRSS..CDSEIFRQLFKLIEHLHEQINIINSNDFVLRDITLLSCVNILGSKKYEYEPKIKIFS	237
NTDB id	455 SSU RS00330 WP 012774888.1	KYEELNDLLIVRLHLLEYVRSS..CDSEIFRQLFKLIEHLHEQINIINSNDFVLRDITLLSCVNILGSKKYEYEPKIKIFS	232
NTDB id	443 SPYM3 RS00325 WP 011054099.1	IYNLENELLIDLYLIILVVSHFDSDIFDVFQFYEEITESMLKKHNNSLEDLFLNNILLSCADTYIRLKMFGLKETLQL	234
NTDB id	1127152 FGK99 RS00280 WP 042669756.1	QRRENDDLILELYLAYLDIAGMNGEYS DKGFYDSLLDLLNQFEHFEEELFIVNKIAIGISSLSIKNNKP EILEKVIVL	234
NTDB id	451 SPYM18 RS00325 WP 002986681.1	RFRQNDDLILLELYLAYLDIEGM DQGYS DKIFYDSLDDNLSEQFEQFELD ELFIVNKII IDISSSLKKNRNLDNLEKA IEM	234
NTDB id	45 SMU RS00375 WP 002263400.1	NYYVNDLLILDLYFSCLTVSGLDSAIFDSRK YNQDLLETLLK QVDCLPLEDLFVLNNV LLNNFGL LLELKKYDFVKQLIAV	234
NTDB id	555 STRINF RS01865 WP 174221231.1	VETINDLLILDLYFACLSAKKFEG IYSLDFYDDLMKRILVNQKHVS PETD.L ILNNVLLNNIDLAFQFKREYYIERVITI	222
consensus		* * ! * ! * * * ! * * * * *	*

NTDB id	458 SSUD9 RS00355 WP 002935296.1	IENIMELSSQDFQKKPIINLVKWKYELKVQHHEIAERYYYNEAITFASLLNQFHLEKEKLQMEWEKDQTSLKR	305
NTDB id	465 SSU05 0053 ABP89025.1	VDKIILQSTQDFQKKPIVSVLKLWKYALFVKDRDEAEKHLYLDVLFACLLENRELEQKIEEDWRVDNQ....	304
NTDB id	455 SSU RS00330 WP 012774888.1	VDDKIILQSTQDFQKKPIVSVLKLWKYALFVKDRDEAEKHLYLDVLFACLLENRELEQKIEEDWRVDNQ....	299
NTDB id	443 SPYM3 RS00325 WP 011054099.1	SHFILMSTIQDFFQKMPPMYCYEWKLSIFYLKDIRNARNEYFEQSILFTQMTGDTYLVLVQLRGWNKIDHIYI..	303
NTDB id	1127152 FGK99 RS00280 WP 042669756.1	SQKIILKTQDFNRMPILNLIEWKYALMKKKDIEMAKKCYPDKAACFLAQLTGDQYLEKKKLREEWGKDIKRYQ.	304
NTDB id	451 SPYM18 RS00325 WP 002986681.1	SQKIMAKIQDWNRMPILKLIEWKYFLIKQKDKIIKAEQSFMKACFLAQMTADQYLENKLIQEWEKDVKSYS..	303
NTDB id	45 SMU RS00375 WP 002263400.1	SNKIMDRTHDFQKKPIVNLLTWKHHLFVEKDYAEAACKSYDAAILFAQLTENINLRNLEKEWQKDSQNGT.	304
NTDB id	555 STRINF RS01865 WP 174221231.1	SEKIMTEIHDFQRRLPSLVEWKYYLKLKHDFAEAESFTNALTLFARLVGDTYLENKLKEEWAQLDIDAVE.	292
consensus		* * ! * ** ! ! ! ! ! * * * ! * ! ! * ! * ! ! * ! * ! * ! * ! * ! *	

 non conserved
 similar
 $\geq 50\%$ conserved