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NTDB id 369 SMU RS04255 WP 002263293.1
NTDB id 358 SMU RS01425 WP 002263523.1
NTDB id 421 SGO RS10260 WP 012131060.1
NTDB id 483 SM12261 RS00275 WP 000668315.1
NTDB id 511 SMSK321 RS10730 WP 000668322.1
NTDB id 247 KZH43 RS00220 WP 000668290.1
NTDB id 206 SPD RS00235 WP 000668290.1
NTDB id 171 SPR RS00230 WP 000668290.1
NTDB id 131 SP RS00255 WP 000668284.1
NTDB id 102164 QUE33 RS15995 WP 350226547.1
NTDB id 370 SMU RS04260 WP 002263294.1
consensus
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NTDB id 358 SMU RS01425 WP 002263523.1
NTDB id 421 SGO RS10260 WP 012131060.1
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NTDB id 511 SMSK321 RS10730 WP 000668322.1
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consensus

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NTDB id 421 SGO RS10260 WP 012131060.1
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NTDB id 206 SPD RS00235 WP 000668290.1
NTDB id 171 SPR RS00230 WP 000668290.1
NTDB id 131 SP RS00255 WP 000668284.1
NTDB id 102164 QUE33 RS15995 WP 350226547.1
NTDB id 370 SMU RS04260 WP 002263294.1
consensus

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NTDB id 369	SMU RS04255	WP 002263293.1	QTKGTTASDIMDPG	SKMLMFSFGS...	FFMAVLVGFLA...	SRTAASF	TTRL	RSD...	IFNRVMDY	SEAEIKKFSIPS	113	
NTDB id 358	SMU RS01425	WP 002263523.1	IPD....	QLI....	STLGMTITGLI	ITYI	IQQVMAFA	KEYLLAVLSLRLV	IDVILSYIKHIFT	LPMSFFAT....	RRTGE	308
NTDB id 421	SGO RS10260	WP 012131060.1	VPD....	HMK....	TTLGMTISIGL	IIVYILQQ	FLSYAQEYLLLVLG	QRLSIDVILSYIKHVF	QLPMSFFAT....	RRTGE	264	
NTDB id 483	SM12261	RS00275	WP 000668315.1	VPD....	QMR....	STLGIISIGLVIVYIL	QQILSYAQEYLLLVLG	QRLSIDVILSYIKHVFHLP	MSFFAT....	RRTGE	264	
NTDB id 511	SMSK321	RS10730	WP 000668322.1	VPD....	QMR....	STLGIISIGLVIVYIL	QQILSYAQEYLLLVLG	QRLSIDVILSYIKHVFHLP	MSFFAT....	RRTGE	264	
NTDB id 247	KZH43	RS00220	WP 000668290.1	VPD....	QMR....	STLGIISIGLVIVYIL	QQILSYAQEYLLLVLG	QRLSIDVILSYIKHVFHLP	MSFFAT....	RRTGE	264	
NTDB id 206	SPD	RS00235	WP 000668290.1	VPD....	QMR....	STLGIISIGLVIVYIL	QQILSYAQEYLLLVLG	QRLSIDVILSYIKHVFHLP	MSFFAT....	RRTGE	264	
NTDB id 171	SPR	RS00230	WP 000668290.1	VPD....	QMR....	STLGIISIGLVIVYIL	QQILSYAQEYLLLVLG	QRLSIDVILSYIKHVFHLP	MSFFAT....	RRTGE	264	
NTDB id 131	SP	RS00255	WP 000668284.1	VPD....	QMR....	STLGIISIGLVIVYIF	QQILSYAQEYLLLVLG	QRLSIDVILSYIKHVFHLP	MSFFAT....	RRTGE	264	
NTDB id 102164	QUE33	RS15995	WP 350226547.1								0	
NTDB id 370	SMU RS04260	WP 002263294.1	TKGLAGKIDL...	DKIGETALT	LALLYFAGALV	SYTASFIV	STLIQKFS	QRLRNAIAD	KINKVPLKY	FDS...	HSQGD	123
consensus												
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NTDB id 369	SMU RS04255	WP 002263293.1	IVSRFTDANSIIDALAST	ILSIFLDVSTVVIISLVLF	S	Q	NTNLFFMTLL	ALPIYTVIIFAFMK	179
NTDB id 358	SMU RS01425	WP 002263523.1	ITSRFTDANQIIDAVAST	IFSIFLDMTMVILVGGVLL	A	Q	NNNLFLLTLL	SIPYATIIIFAFMK	371
NTDB id 421	SGO RS10260	WP 012131060.1	IVSRFTDANRIIDALAST	ILSIFLDVSIIVSIIAIVLF	S	Q	NSSLFFLTLL	GIPVYALIIIFL	327
NTDB id 483	SM12261 RS00275	WP 000668315.1	IVSRFTDANSIIDALAST	ILSIFLDVSTVVIISLVLF	S	Q	NTNLFFITLL	ALPIYTVIIFAFMK	327
NTDB id 511	SMSK321 RS10730	WP 000668322.1	IVSRFTDANSIIDALAST	ILSIFLDVSTVVIISLVLF	S	Q	NTNLFFMTLL	ALPIYTVIIFAFMK	327
NTDB id 247	KZH43 RS00220	WP 000668290.1	IVSRFTDANSIIDALAST	ILSIFLDVSTVVIISLVLF	S	Q	NTNLFFMTLL	ALPIYTVIIFAFMK	327
NTDB id 206	SPD RS00235	WP 000668290.1	IVSRFTDANSIIDALAST	ILSIFLDVSTVVIISLVLF	S	Q	NTNLFFMTLL	ALPIYTVIIFAFMK	327
NTDB id 171	SPR RS00230	WP 000668290.1	IVSRFTDANSIIDALAST	ILSIFLDVSTVVIISLVLF	S	Q	NTNLFFMTLL	ALPIYTVIIFAFMK	327
NTDB id 131	SP RS00255	WP 000668284.1	IVSRFTDANSIIDALAST	ILSIFLDVSTVVIISLVLF	S	Q	NTNLFFMTLL	ALPIYTVIIFAFMK	327
NTDB id 102164	QUE33 RS15995	WP 350226547.1	IVSRFTDANSIIDALAST	ILSIFLDVSTVVIISLVLF	S	Q	NTNLFFMTLL	ALPIYTVIIFAFMK	327
NTDB id 370	SMU RS04260	WP 002263294.1	consensus						0
			TLSRVTNDVDLMTQSFNQSLVSMVA..AIIILLIGSIFMMIK.....T....NGALAATAILSVFAGFVLSTVIMAKSQ						190
			*****	*****	*	*	*****	*****	

logo

NTDB id 369	SMU RS04255	WP 002263293.1	PFEKMNRPMEANAVLSSSIIEDINGIETI	KSLTSESQRYQKIDKEFV	DYLKKSFTYSRAESQQKALKKKVAHLLLN	253
NTDB id 358	SMU RS01425	WP 002263523.1	PFEKMNHEVMESNAVSSSIIEDINGMETI	KSLTSESARYQNIDSEFV	DYLEKNFKLHKYSAIQTALKSGAKLILN	447
NTDB id 421	SGO RS10260	WP 012131060.1	PFEKMNHETMEANSLLSSSIIEDINGIETI	KSLTSEKQRYQKIDKEFV	TYLKKSFAVGRSESLQKVLKAAARLILN	403
NTDB id 483	SM12261 RS00275	WP 000668315.1	PFEKMNRTMEANAVLSSSIIEDINGIETI	KSLTSESQRYQKIDKEFV	DYLKKSFTYSRAESQQKALKKKVAHLLLN	403
NTDB id 511	SMSK321 RS10730	WP 000668322.1	PFEKMNRTMEANAVLSSSIIEDINGIETI	KSLTSESQRYQKIDKEFV	DYLKKSFTYSRAESQQKALKKKVAHLLLN	403
NTDB id 247	KZH43 RS00220	WP 000668290.1	PFEKMNRTMEANAVLSSSIIEDINGIETI	KSLTSESQRYQKIDKEFV	DYLKKSFTYSRAESQQKALKKKVAHLLLN	403
NTDB id 206	SPD RS00235	WP 000668290.1	PFEKMNRTMEANAVLSSSIIEDINGIETI	KSLTSESQRYQKIDKEFV	DYLKKSFTYSRAESQQKALKKKVAHLLLN	403
NTDB id 171	SPR RS00230	WP 000668290.1	PFEKMNRTMEANAVLSSSIIEDINGIETI	KSLTSESQRYQKIDKEFV	DYLKKSFTYSRAESQQKALKKKVAHLLLN	403
NTDB id 131	SP RS00255	WP 000668284.1	PFEKMNRTMEANAVLSSSIIEDINGIETI	KSLTSESQRYQKIDKEFV	DYLKKSFTYSRAESQQKALKKKVAHLLLN	403
NTDB id 102164	QUE33 RS15995	WP 350226547.1	PFEKMNRTMEANAVLSSSIIEDINGIETI	KSLTSESQRYQKIDKEFV	DYLKKSFTYSRAESQQKALKKKVAHLLLN	403
NTDB id 370	SMU RS04260	WP 002263294.1	consensus			0
			PLFKKQANLA...DVSGYVEEVYSGHNVVSSYNATIQSKKQFENLNDQLFASMWKSQFFSG...IMMPLMQFIGNFGY			263
			*****	*****	*****	

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NTDB id 369	SMU RS04255 WP 002263293.1	LAITYWIGAYLLNDIKIPMTSVTAAKGAIADRISVFS	MVVFSSYAMQVVVGFMMAVIFIIIPRALVSAKRINEVLALNS	333	
NTDB id 358	SMU RS01425 WP 002263523.1	VVILWYGSRLVMDNKKISVGQLITF	NALLSYFSNP	IENIINLQSKLQSAARVANTRLNEVYLVS	510
NTDB id 421	SGO RS10260 WP 012131060.1	VLILWLGAATLVMDQKISLGQLITY	NTLLVYFTNP	LENIINLQTKLQSAARVANERLNEVYLVS	466
NTDB id 483	SM12261 RS00275 WP 000668315.1	VGILWMGAVLMDGKMSLGQLITY	NTLLVYFTNP	LENIINLQTKLQTAQVANNRLNEVYLVS	466
NTDB id 511	SMSK321 RS10730 WP 000668322.1	VGILWMGAVLMDGKMSLGQLITY	NTLLVYFTNP	LENIINLQTKLQTAQVANNRLNEVYLVS	466
NTDB id 247	KZH43 RS00220 WP 000668290.1	VGILWMGAVLMDGKMSLGQLITY	NTLLVYFTNP	LENIINLQTKLQTAQVANNRLNEVYLVS	466
NTDB id 206	SPD RS00235 WP 000668290.1	VGILWMGAVLMDGKMSLGQLITY	NTLLVYFTNP	LENIINLQTKLQTAQVANNRLNEVYLVS	466
NTDB id 171	SPR RS00230 WP 000668290.1	VGILWMGAVLMDGKMSLGQLITY	NTLLVYFTNP	LENIINLQTKLQTAQVANNRLNEVYLVS	466
NTDB id 131	SP RS00255 WP 000668284.1	VGILWMGAVLMDGKMSLGQLITY	NTLLVYFTNP	LENIINLQTKLQTAQVANNRLNEVYLVS	466
NTDB id 102164	QUE33 RS15995 WP 350226547.1				0
NTDB id 370	SMU RS04260 WP 002263294.1	VMVCIVGATMAINGDITMGTLVAF	MTYVRIFTQP	IAQIAQGKITQLQSANAAMGRVFEFLDEEE	326
consensus		*****	*****	*****	*

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NTDB id 369	SMU RS04255 WP 002263293.1	EFEKKTVEDLSLMKGMTFKQVYKYGYG	RDVLS DINLTPQGSKVAEFG	SGSGKTTLAKMMVNFYDPSQGEISLGG	413
NTDB id 358	SMU RS01425 WP 002263523.1	SVHFKEYSKADNARKGEVEFHDVVSFRYSKNS	RAVIEHVSFS	SAKAGETVAFIGSTGSGKSTLVNLI	589
NTDB id 421	SGO RS10260 WP 012131060.1	EFEKDGDISENSFLDGDISFENLSYKYGFG	RDTLSDINLSIKKGSKVS	LVGASGSGKTTAKLIVNFYEPNKGIVRING	545
NTDB id 483	SM12261 RS00275 WP 000668315.1	EFEKKKLKDLSHFQADIDFRGVSYKYGYG	ANVLEIDLH	IPAGSKTSFVGVSGSGKTTAKMMVH	545
NTDB id 511	SMSK321 RS10730 WP 000668322.1	EFEKKTVEDLSLMKGMTFKQVYKYGYG	RDVLDINLT	IPQGSKVAFVGISGSGKTTAKMMVNFYDPSQGEISLGG	545
NTDB id 247	KZH43 RS00220 WP 000668290.1	EFEKKTVEDLSLMKGMTFKQVYKYGYG	RDVLS DINLT	IPQGSKVAFVGISGSGKTTAKMMVNFYDPSQGEISLGG	545
NTDB id 206	SPD RS00235 WP 000668290.1	EFEKKTVEDLSLMKGMTFKQVYKYGYG	RDVLS DINLT	IPQGSKVAFVGISGSGKTTAKMMVNFYDPSQGEISLGG	545
NTDB id 171	SPR RS00230 WP 000668290.1	EFEKKTVEDLSLMKGMTFKQVYKYGYG	RDVLS DINLT	IPQGSKVAFVGISGSGKTTAKMMVNFYDPSQGEISLGG	545
NTDB id 131	SP RS00255 WP 000668284.1	EFEKKTVEDLSLMKGMTFKQVYKYGYG	RDVLS DINLT	IPQGSKVAFVGISGSGKTTAKMMVNFYDPSQGEISLGG	545
NTDB id 102164	QUE33 RS15995 WP 350226547.1	EFEKKTVEDLSLMKGMTFKQVYKYGYG	RDVLS DINLT	IPQGSKVAFVGISGSGKTTAKMMVNFYDPSQGEISLGG	0
NTDB id 370	SMU RS04260 WP 002263294.1	IEDENHKVKQLEKVEGNVNFDFGVSPD	KTIHDFSAHAKAGQKIAIVGPTGAGKTTI	VNLLMRFYEVDRGMISTIDG	405
consensus		*****	*****	*****	

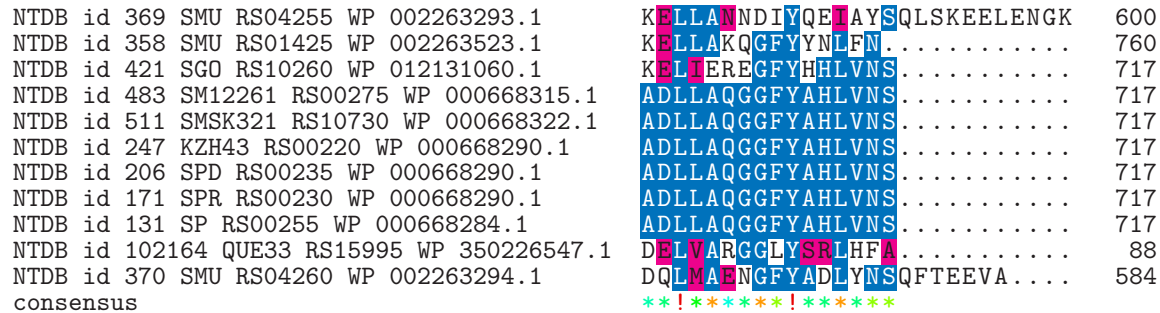
logo

NTDB id 369	SMU RS04255 WP 002263293.1	VNLNQIDKKALROYINYLPPQPYVFNGTILENLLGAKEGTT	QEDILRAVELAEIREDIERMP LNYQTELTS DGAGIS	493
NTDB id 358	SMU RS01425 WP 002263523.1	IKVQDYSHDDLNKVGYPQRAVLFSGTIRSNIAFGQS	DQAPLDDAKIWEALELAQAKNFVEEKEKGLDTEVAQGGTNFS	666
NTDB id 421	SGO RS10260 WP 012131060.1	NDLKVIDKTALRRHISYLPQQAYVFSGSIMDNLVGAKEGTS	QEDITRACETAEIRSDIEQMPQGYQTELSDGAGIS	623
NTDB id 483	SM12261 RS00275 WP 000668315.1	VNLNQIDKKALRQYINYLPPQPYVFNGTILENLLGAKEGTT	QEDILRAVELAEIRSDIERMPLNYQTELSADGAGIS	623
NTDB id 511	SMSK321 RS10730 WP 000668322.1	VNLNQIDKKALRQYINYLPPQPYVFNGTILENLLGAKEGTT	QEDILRAVELAEIREDIERMPLNYQTELTSDGAGIS	623
NTDB id 247	KZH43 RS00220 WP 000668290.1	VNLNQIDKKALRQYINYLPPQPYVFNGTILENLLGAKEGTT	QEDILRAVELAEIREDIERMPLNYQTELTSDGAGIS	623
NTDB id 206	SPD RS00235 WP 000668290.1	VNLNQIDKKALRQYINYLPPQPYVFNGTILENLLGAKEGTT	QEDILRAVELAEIREDIERMPLNYQTELTSDGAGIS	623
NTDB id 171	SPR RS00230 WP 000668290.1	VNLNQIDKKALRQYINYLPPQPYVFNGTILENLLGAKEGTT	QEDILRAVELAEIREDIERMPLNYQTELTSDGAGIS	623
NTDB id 131	SP RS00255 WP 000668284.1	VNLNQIDKKALRQYINYLPPQPYVFNGTILENLLGAKEGTT	QEDILRAVELAEIREDIERMPLNYQTELTSDGAGIS	623
NTDB id 102164	QUE33 RS15995 WP 350226547.1	VNLNQIDKKALRQYINYLPPQPYVFNGTILENLLGAKEGTT	QEDILRAVELAEIREDIERMPLNYQTELTSDGAGIS	0
NTDB id 370	SMU RS04260 WP 002263294.1	VNIHDMTRKEVHDAFAMVLQDTWLFEGTVKENLTYNQKHIT	DEQVIAAAKAVGVHHFIKTLPKGYD TVLDDSVTLIS	481
consensus		*****	*****	

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NTDB id 369 SMU RS04255 WP 002263293.1
NTDB id 358 SMU RS01425 WP 002263523.1
NTDB id 421 SGO RS10260 WP 012131060.1
NTDB id 483 SM12261 RS00275 WP 000668315.1
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NTDB id 247 KZH43 RS00220 WP 000668290.1
NTDB id 206 SPD RS00235 WP 000668290.1
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NTDB id 131 SP RS00255 WP 000668284.1
NTDB id 102164 QUE33 RS15995 WP 350226547.1
NTDB id 370 SMU RS04260 WP 002263294.1
consensus

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-  non conserved
-  similar
-  $\geq 50\%$ conserved