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NTDB id 600	KW2	RS01765	WP	011675413.1	SVRLDVRG	STKIEEGS	.GDNKTQ	IGKITK	IKVVKNKV	VAPPFK	VALVD	IMFGEGIS	STGELIN	TAVEEGI	TKKSGAW	FAYN	312	
NTDB id 269	KZH43	RS08665	WP	001085462.1	SVRLDVRG	NTQIKGTG	.DQKETN	VGKETK	IKVVKNKV	VAPPFK	EAVVE	IMYGGEGIS	KTGELLK	IASDL	DIKKAGAW	YSYK	311	
NTDB id 228	SPD	RS09265	WP	001085462.1	SVRLDVRG	NTQIKGTG	.DQKETN	VGKETK	IKVVKNKV	VAPPFK	EAVVE	IMYGGEGIS	KTGELLK	IASDL	DIKKAGAW	YSYK	311	
NTDB id 194	SPR	RS08825	WP	001085462.1	SVRLDVRG	NTQIKGTG	.DQKETN	VGKETK	IKVVKNKV	VAPPFK	EAVVE	IMYGGEGIS	KTGELLK	IASDL	DIKKAGAW	YSYK	311	
NTDB id 159	SP	RS09750	WP	001085462.1	SVRLDVRG	NTQIKGTG	.DQKETN	VGKETK	IKVVKNKV	VAPPFK	EAVVE	IMYGGEGIS	KTGELLK	IASDL	DIKKAGAW	YSYK	311	
NTDB id 527	SMSK321	RS11065	WP	001085454.1	SVRLDVRG	STQIKGTG	.DQKDTN	VGKETK	IKVVKNKV	VAPPFK	EAFVE	IMYGGEGIS	KTGELLK	IASDL	DIKKAGAW	YSYK	311	
NTDB id 499	SM12261	RS08315	WP	078228268.1	SVRLDVRG	STQIKGTG	.DQKDTN	VGKETK	IKVVKNKV	VAPPFK	EAFVE	IMYGGEGIS	KTGELLK	IASDL	DIKKAGAW	YSYK	311	
NTDB id 408	SMU	RS09530	WP	002262392.1	SVRLDVRG	NTQIKGTG	.EQKDSN	IGKETK	IKVVKNKV	VAPPFK	EAFVE	ITTYGGEGIS	RTEGELV	KIASDL	GIQKAGAW	YSYN	311	
NTDB id 453	Spy49	1753c	ACI62003.1	SVRLDVRG	TQIKGTG	.DQKDS	IGKETK	IKVVKNKV	VAPPFK	VAEVE	IMYGGEGIS	RTEGELV	KIASDL	DIQKAGAW	FSYN	311		
NTDB id 115	BSU	16940	NP	389576.2	SVRLEVRRA	AEQLKQGN	....DV	MGNKTK	IKVVKNKV	VAPPFR	TAEVD	IMYGGEGIS	KEGETI	DLGTELD	IVQKSGS	WYSYE	292	
NTDB id 625	LCA	RS02525	WP	011374196.1	TVRLEVRRA	AETIKNGT	....DM	IGNRAR	IKVVKNKV	VAPPFK	VAEVD	IMYGGEGIS	RTEGELV	DMAVEK	DIINKSGS	WYSYG	294	
NTDB id 1313	DR	RS12030	WP	010888966.1	SVRLDVRK	IIGQ....	PTKVGND	AVANTVK	IKTVKNKV	VAPPFK	EVELAL	VYGGKGF	QDLSDL	VGLAAD	MDIINKKAG	SFYSYG	307	
NTDB id 1245	Cj1673c	YP	002345041.1	SVRLDVRK	VAT....	L.KQNEEP	IGNRVK	IKVVKNKV	VAPPFR	QAEFD	VDFGEGLS	RREGEL	IDYGVKL	DIVDKSG	AWFSYK	294		
NTDB id 1211	C694	RS00795	WP	000963128.1	SVRIDIRRI	AS....	L.KQNEQH	IGNRAK	IKVVKNKV	VAPPFR	EAEFD	IMFGEGIS	KEGETI	IDYGVKL	DIVDKSG	AWLSYQ	296	
NTDB id 1214	NCTC11637	00359	SQJ03206.1	SVRIDIRRI	IAA....	L.KQNEQH	IGNRAK	IKVVKNKV	VAPPFR	EAEFD	IMFGEGIS	KEGETI	IDYGVKL	DIVDKSG	AWLSYQ	296		
NTDB id 1334	RAOC	RS04870	WP	004918236.1	SVRIDIRRS	LSDTGKIK	DKSGEV	IGNRTK	IKVVKNKV	VAPPFK	SAEFD	IMYGGEGV	SKVGEIL	DVATDL	DIQKSGS	WFSYQ	307	
NTDB id 196016	BHK69	RS24355	WP	069692358.1	SVRLDIRR	IST....	L.KDRFEAT	GNQVRV	IKVVKNKV	VAPPFK	QVEFD	IMFGEGIS	KVGELV	DLGVKAG	MVEKSG	AWFSFD	305	
NTDB id 1389	A4U84	RS07560	WP	021112712.1	SVRLDIRR	CGV....	V.KDGDEI	IGSETK	IKVVKNKV	VAPPFR	EVQFD	IMYGGEGIS	RMNELL	ILAEANG	FITKKS	AWFSYD	310	
NTDB id 1130	NGFG	RS03960	WP	003688695.1	SVRLDIRR	TGS....	I.KKGEV	LGNETR	VKVIK	KNVAPPFR	QAEFD	DILYGGEGIS	WEDEL	IDIGVKN	DIINKSG	AWYSYN	294	
NTDB id 1124	NGFG	RS03960	WP	003688695.1	SVRLDIRR	TGS....	I.KKGEV	LGNETR	VKVIK	KNVAPPFR	QAEFD	DILYGGEGIS	WEDEL	IDIGVKN	DIINKSG	AWYSYN	294	
NTDB id 1123	OK783	RS03845	WP	003688695.1	SVRLDIRR	TGS....	I.KKGEV	LGNETR	VKVIK	KNVAPPFR	QAEFD	DILYGGEGIS	WEDEL	IDIGVKN	DIINKSG	AWYSYN	294	
NTDB id 1427	RS	RS02760	WP	011000510.1	SVRLDIRR	IGS....	I.KKGEV	VGNETR	VKVIK	KNVAPPFR	EAEFD	DILYGGAGV	SREGEI	IDLGVEA	KVVEKSG	AWYSYN	302	
NTDB id 1165	A1552VC	RS01565	WP	000344154.1	SVRLDIRR	TGA....	I.KEGEV	VGNETR	IKVVKNK	IAAPPFK	EANTQ	IMYGGGF	NREGEL	IDLGVK	HKMVEK	SGAWYSYN	293	
NTDB id 1142	GTF74	RS11550	WP	000344154.1	SVRLDIRR	TGA....	I.KEGEV	VGNETR	IKVVKNK	IAAPPFK	EANTQ	IMYGGGF	NREGEL	IDLGVK	HKMVEK	SGAWYSYN	293	
NTDB id 1205	PSJM300	05545	AFN77183.1	SVRLDIRR	TGA....	V.KEGDEV	VGNETR	VKVVKNK	VAPPFR	QAEFQ	IILYGGK	IYRNGET	IDLGVQ	QGLV	EKSGAW	AYK	293	
NTDB id 1022	ACIAD	RS06390	WP	004925639.1	SVRLDIRR	IGQ....	V.KEGDEI	IGSETK	IKVVKNK	MAPPFR	EAEIFQ	IILYGGK	VNQLG	ELVDL	AVQQN	IVQKAG	AWYSYQ	293
NTDB id 1074	ABD1	RS10195	WP	000344167.1	SVRLDIRR	IGQ....	V.KEGDEI	IGSETK	IKVVKNK	MAPPFK	EAEIFQ	IILYGGK	GTNQL	GELVDL	AVQQN	DIVQKAG	AWYSYQ	293
consensus					*!!**!*	*	**	*****!!*!!*!!*!!*!!*	*	*****!!*!!*!!*!!*!!*	*	*****!!*!!*!!*!!*!!*	*	*****!!*!!*!!*!!*!!*	*	*****!!*!!*!!*!!*!!*		



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consensus

 non conserved  
 similar  
 ≥ 50% conserved