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NTDB id 600	KW2	RS01765	WP 011675413.1	SVRLDVRGSTKIEEGS.GDNKTQIGK	ITKIKVVKNKVAPPFKVALVDIMFGEGISSTGELINIAVEEGI	I	IKKSGAWFAYN	312			
NTDB id 269	KZH43	RS08665	WP 001085462.1	SVRLDVRGNTQIKGTG.DQKETN	VGKETKIKVVKNKVAPPFKAEAVVEIMYGEGISKTGELLKIASDL	D	I	IKKAGAWYSYK	311		
NTDB id 228	SPD	RS09265	WP 001085462.1	SVRLDVRGNTQIKGTG.DQKETN	VGKETKIKVVKNKVAPPFKAEAVVEIMYGEGISKTGELLKIASDL	D	I	IKKAGAWYSYK	311		
NTDB id 194	SPR	RS08825	WP 001085462.1	SVRLDVRGNTQIKGTG.DQKETN	VGKETKIKVVKNKVAPPFKAEAVVEIMYGEGISKTGELLKIASDL	D	I	IKKAGAWYSYK	311		
NTDB id 159	SP	RS09750	WP 001085462.1	SVRLDVRGNTQIKGTG.DQKETN	VGKETKIKVVKNKVAPPFKAEAVVEIMYGEGISKTGELLKIASDL	D	I	IKKAGAWYSYK	311		
NTDB id 527	SMSK321	RS11065	WP 001085454.1	SVRLDVRGSTQIKGTG.DQKDTN	VGKETKIKVVKNKVAPPFKAEAFVEIMYGEGISKTGELLKIASDL	D	I	IKKAGAWYSYK	311		
NTDB id 499	SM12261	RS08315	WP 078228268.1	SVRLDVRGSTQIKGTG.DQKDTN	VGKETKIKVVKNKVAPPFKAEAFVEIMYGEGISKTGELLKIASDL	D	I	IKKAGAWYSYK	311		
NTDB id 453	Spy49	1753c	ACI62003.1	SVRLDVRGTTQIKGTG.DQKDS	IGKETKIKVVKNKVAPPFKVAEVEIMYEGISRTGELVKIASDL	G	I	IKKAGAWFSYN	311		
NTDB id 408	SMU	RS09530	WP 002262392.1	SVRLDVRGNTQIKGTG.EQKDS	IGKETKIKVVKNKVAPPFKAEAFVEIIMYGEGISRTGELVKIASDL	G	I	IKKAGAWYSYN	311		
NTDB id 115	BSU	16940	NP 389576.2	SVRLEVRRAEQLKQGN.....	DVMGNKTKIKVVKNKVAPPFR	TAEVDIMYGEGISKEGEI	I	DLGTELDIVQKSGSWYSYE	292		
NTDB id 625	LCA	RS02525	WP 011374196.1	TVRLEVRRAETIKNGT.....	DMIGNRARIKVVKNKVAPPFKVAEVDIMYGGISRTGELVDM	AVEKDI	I	INKSGSWYSYG	294		
NTDB id 1313	DR	RS12030	WP 010888966.1	SVRLDVRKIGQ....	PTKVGNDAVANTVKIKTKVKNKVA	APPFKEVELALVYGGKGF	QDLS	DLVGLAADMDI	IKKAGSFYSYG	307	
NTDB id 1245	Cj1673c	YP 002345041.1		SVRLDVRKVAT....	L.KQNEEPIGNRVKIKVVKNKVAPPFR	QAEFDVMFGEGLSREGEL	IDYGVKLD	DIVDKSGAWFSYK	294		
NTDB id 1214	NCTC11637	00359	SQJ03206.1	SVRIDIRRIAA....	L.KQNEQHIGNRAKIKVVKNKVAPPFR	EAEFDIMFGEGISKEGEI	IDYGVKLD	DIVDKSGAWLSYQ	296		
NTDB id 1211	C694	RS00795	WP 000963128.1	SVRIDIRRIAS....	L.KQNEQHIGNRAKIKVVKNKVAPPFR	EAEFDIMFGEGISKEGEI	IDYGVKLD	DIVDKSGAWLSYQ	296		
NTDB id 1334	RAOC	RS04870	WP 004918236.1	SVRIDIRRLSDTGKIKDKSGEV	IGNRTKIKVVKNKVAPPFKSAEFDIMYGEGVSKVGEILD	VATDLD	I	I	IKKSGSWFSYQ	307	
NTDB id 1389	A4U84	RS07560	WP 021112712.1	SVRLDIRRCGV....	V.KGDDEIGSETKIKVVKNKVAPPFR	EVQFDIMYGEGISRMNELL	ILAEANGFI	IKKSGAWFSYD	310		
NTDB id 1130	NGFG	RS03960	WP 003688695.1	SVRLDIRRTGS....	I.KKGEVVLGNETRVKVIKKNVAPPFR	QAEFDILYEGEGISWEGEL	IDIGVKND	I	INKSGAWYSYN	294	
NTDB id 1124	NGFG	RS03960	WP 003688695.1	SVRLDIRRTGS....	I.KKGEVVLGNETRVKVIKKNVAPPFR	QAEFDILYEGEGISWEGEL	IDIGVKND	I	INKSGAWYSYN	294	
NTDB id 1123	OK783	RS03845	WP 003688695.1	SVRLDIRRTGS....	I.KKGEVVLGNETRVKVIKKNVAPPFR	QAEFDILYEGEGISWEGEL	IDIGVKND	I	INKSGAWYSYN	294	
NTDB id 1427	RS	RS02760	WP 011000510.1	SVRLDIRRIGS....	I.KKGEDEVGNETKIKVVKNKVAPPFR	EAEIFDILYGAGVSR	REGELIDL	GVKHKMVEKSGAWYSYN	302		
NTDB id 147071	ABY64	RS15785	WP 015571667.1	SVRLDIRRIGA....	V.KEGDNVGSETRVKVVKNKIA	APPFKQAEFQILYGEINFL	GELVDL	GVKELIEKAGAWYSYN	295		
NTDB id 1165	A1552VC	RS01565	WP 000344154.1	SVRLDIRRTGA....	I.KEGEDEVGNETRIKVVKNKIA	APPFKAEANTQIMYGGFN	REGELIDL	GVKHKMVEKSGAWYSYN	293		
NTDB id 1142	GTF74	RS11550	WP 000344154.1	SVRLDIRRTGA....	I.KEGEDEVGNETRIKVVKNKIA	APPFKAEANTQIMYGGFN	REGELIDL	GVKHKMVEKSGAWYSYN	293		
NTDB id 1205	PSJM300	05545	AFN77183.1	SVRLDIRRTGA....	V.KEGEDEVGSETRVKVVKNKVAPPFR	QAEFQILYGKGIYRNGEI	IDLGVQQGL	VEKSGAWYAYK	293		
NTDB id 1022	ACIAD	RS06390	WP 004925639.1	SVRLDIRRIGQ....	V.KEGDEIGSETKIKVVKNKMAPPF	FREAEIFQILYGKGVNQL	GELVDL	AVQQNIVQKAGAWYSYQ	293		
NTDB id 1074	ABD1	RS10195	WP 000344167.1	SVRLDIRRIGQ....	V.KEGDEIGSETKIKVVKNKMAPPF	KEAEIFQILYGKGTNQL	GELVDL	AVQQDIVQKAGAWYSYQ	293		
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consensus

 non conserved
 similar
 ≥ 50% conserved