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NTDB id 600	KW2	RS01765	WP 011675413.1	SVRLDVRGSGTSTKIEEGS.GDNKTTQIGKIITKIKVVKNKVAPPFKVALVDIMFGEGISSTGELINIAVEEGTIKKKSGAWFAYN	312
NTDB id 269	KZH43	RS08665	WP 001085462.1	SVRLDVRGNTQIKGTG.DQKETNVGKETKIKVVKNKVAPPFKAVVEIMYGEGISKTGELLKIASDLDIKKAGAWYSYK	311
NTDB id 228	SPD	RS09265	WP 001085462.1	SVRLDVRGNTQIKGTG.DQKETNVGKETKIKVVKNKVAPPFKAVVEIMYGEGISKTGELLKIASDLDIKKAGAWYSYK	311
NTDB id 194	SPR	RS08825	WP 001085462.1	SVRLDVRGNTQIKGTG.DQKETNVGKETKIKVVKNKVAPPFKAVVEIMYGEGISKTGELLKIASDLDIKKAGAWYSYK	311
NTDB id 159	SP	RS09750	WP 001085462.1	SVRLDVRGNTQIKGTG.DQKETNVGKETKIKVVKNKVAPPFKAVVEIMYGEGISKTGELLKIASDLDIKKAGAWYSYK	311
NTDB id 527	SMSK321	RS11065	WP 001085454.1	SVRLDVRGNTQIKGTG.DQKETNVGKETKIKVVKNKVAPPFKAVVEIMYGEGISKTGELLKIASDLDIKKAGAWYSYK	311
NTDB id 499	SM12261	RS08315	WP 078228268.1	SVRLDVRGNTQIKGTG.DQKETNVGKETKIKVVKNKVAPPFKAVVEIMYGEGISKTGELLKIASDLDIKKAGAWYSYK	311
NTDB id 453	Spy49	1753c	ACI62003.1	SVRLDVRGTTQIKGTG.DQKDSSTGKETKIKVVKNKVAPPFKVAEVEIMYGEGISRTGELVKIASDLDIQKAGAWFSYN	311
NTDB id 408	SMU	RS09530	WP 002262392.1	SVRLDVRGNTQIKGTG.EQKDSNIGKETKIKVVKNKVAPPFKAEFVEIMYGEGISRTGELVKIASDLGITQKAGAWYSYN	311
NTDB id 115	BSU	16940	NP 389576.2	SVRLEVRRAEQLKQGN....DVMGNKTKIKVVKNKVAPPFRTAEVDIMYGEGISKEGEIIDLGTDELIVQKSGSWYSYE	292
NTDB id 625	LCA	RS02525	WP 011374196.1	TVRLEVRRAETIKNGT....DMIGNRARIKVVKNKVAPPFKVAEVDIMYGGISRTGELVDMAVEKDIINKSGSWYSYG	294
NTDB id 1313	DR	RS12030	WP 010888966.1	SVRLDVRKIGQ....PTKVGNDAVANTVKIKTVKNKVAAPFKVELALVYKCFDQLSDLVGLAADMDIINKACSFYSYG	307
NTDB id 1245	Cj1673c	YP 002345041.1		SVRLDVRKIVAT....L.KQNEEPIGNRVKIKVVKNKVAPPFRQAEFDMVFGGELSRREGELIDYGVKLDIVDKSGAWFSYK	294
NTDB id 1214	NCTC11637	00359	SQJ03206.1	SVRIDIRRIAA....L.KQNEQHIGNRAKAKVVKNKVAPPFREAEFDMFGEGISKEGEIIDYGVKLDIVDKSGAWLSYQ	296
NTDB id 1211	C694	RS00795	WP 000963128.1	SVRIDIRRIAS....L.KQNEQHIGNRAKAKVVKNKVAPPFREAEFDMFGEGISKEGEIIDYGVKLDIVDKSGAWLSYQ	296
NTDB id 1334	RAOC	RS04870	WP 004918236.1	SVRIDIRRSLSDTGKIKDKSGEVIIGNRTKIKVVKNKVAPPFKSAEFDIMYGEGVSKVGEILDVATDLDIQKSGSWFSYQ	307
NTDB id 1389	A4U84	RS07560	WP 021112712.1	SVRLDIRRCGV....V.KDGEIITGSETKVVKNKVAPPFREVEVQFDIMYGEGISRMNELIILAANGFTIKKSGAWFSYD	310
NTDB id 1130	NGFG	RS03960	WP 003688695.1	SVRLDIRRTGS....I.KKGEEVLGNETRVKVIKNKVAPPFRQAEFDILYGGISWEGELIDIGVKNDIINKSGAWYSYN	294
NTDB id 1124	NGFG	RS03960	WP 003688695.1	SVRLDIRRTGS....I.KKGEEVLGNETRVKVIKNKVAPPFRQAEFDILYGGISWEGELIDIGVKNDIINKSGAWYSYN	294
NTDB id 1123	OK783	RS03845	WP 003688695.1	SVRLDIRRTGS....I.KKGEEVLGNETRVKVIKNKVAPPFRQAEFDILYGGISWEGELIDIGVKNDIINKSGAWYSYN	294
NTDB id 1427	RS	RS02760	WP 011000510.1	SVRLDIRRIGS....I.KKGDEVVGNETKVVKNKVAPPFREAFDILYGAQVSRREGELIDLGVVEAKVVEKSGAWYSYN	302
NTDB id 1165	A1552VC	RS01565	WP 000344154.1	SVRLDIRRTGA....I.KEGEEVVGNETRIKVVKNKIAAPFKEANTQIMYGGGFNREGELIDLGVKHKMVEKSGAWYSYN	293
NTDB id 1142	GTF74	RS11550	WP 000344154.1	SVRLDIRRTGA....I.KEGEEVVGNETRIKVVKNKIAAPFKEANTQIMYGGGFNREGELIDLGVKHKMVEKSGAWYSYN	293
NTDB id 1205	PSJM300	O5545	AFN77183.1	SVRLDIRRTGA....V.KEGDEVVGSETRVKKVVKNKVAPPFRQAEFQILYKGIYRNGELIDLGVQQGLVEKSGAWAYYK	293
NTDB id 313049	AhaeAN43	RS07035	WP 005090091.1	SVRLDIRRIGA....V.KEGDEITGNETRVKVVKNKMAPPFKAEVVFQIMYKGTNQLGELVDLAVQQDIVQKAGAWYSYQ	293
NTDB id 1074	ABD1	RS10195	WP 000344167.1	SVRLDIRRIGQ....V.KEGDEIVGSETKVVKNKMAPPFKEAIFQILYKGTNQLGELVDLAVQQDIVQKAGAWYSYQ	293
NTDB id 1022	ACIAD	RS06390	WP 004925639.1	SVRLDIRRIGQ....V.KEGDEIVGSETKVVKNKMAPPFREAFIFQILYKGVNQLGELVDLAVQQDIVQKAGAWYSYQ	293
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NTDB id 600 KW2 RS01765 WP 011675413.1	DEKIGQQA	ENAKNYL	KEHQDV	FDEID	HKVRAAH	GLDD	SEVAETEEETT	ASKTKAKAKKEEKAVETEEIELELED	387
NTDB id 269 KZH43 RS08665 WP 001085462.1	DEKIGQGS	ENAKKYL	AEHP	EIFDEID	KQVRSKF	GLIDG	EEVSEQDTENKKDE	...PKKEEA..VNEEVPLDLGDELEIE	385
NTDB id 228 SPD RS09265 WP 001085462.1	DEKIGQGS	ENAKKYL	AEHP	EIFDEID	KQVRSKF	GLIDG	EEVSEQDTENKKDE	...PKKEEA..VNEEVPLDLGDELEIE	385
NTDB id 194 SPR RS08825 WP 001085462.1	DEKIGQGS	ENAKKYL	AEHP	EIFDEID	KQVRSKF	GLIDG	EEVSEQDTENKKDE	...PKKEEA..VNEEVPLDLGDELEIE	385
NTDB id 159 SP RS09750 WP 001085462.1	DEKIGQGS	ENAKKYL	AEHP	EIFDEID	KQVRSKF	GLIDG	EEVSEQDTENKKDE	...PKKEEA..VNEEVPLDLGDELEIE	385
NTDB id 527 SMSK321 RS11065 WP 001085454.1	DEKIGQGS	ENAKKYL	ADNPE	VFAEID	HQVVRVQ	FGLIDG	EEAAE...SKKDE...VAQVDS..VNEEVTLDLGDELEIE	381	
NTDB id 499 SM12261 RS08315 WP 078228268.1	DEKIGQGS	ENAKKYL	ADNPE	VFAEID	HQVVRVQ	FGLIDG	EEIAE...SKKDE...AAQVDS..VNEEVTLDLGDELEIE	381	
NTDB id 453 Spy49 1753c ACI62003.1	GEKIGQGS	ENAKRYL	ADHP	QLFDEID	RKVVRVK	FGLLEE	SEEEESAMAVASE.....E.....TDDLALDLNNGIEIE	377	
NTDB id 408 SMU RS09530 WP 002262392.1	GEKIGQGS	ENAKKFL	ADNPE	IFDDI	HKVVRVQ	YGLIEE	DNTEEKQSSKEK.....ETDEK..ADKNLVLELDDTIELE	382	
NTDB id 115 BSU 16940 NP 389576.2	EERLGG	RENAK	QFLKEN	KDMLMI	QEQIRE	HYGLDN	NGVVQQQAEETQEEL.EFE.E.....	348	
NTDB id 625 LCA RS02525 WP 011374196.1	SERIGQGS	RENAKNYL	ADHED	VEDEV	RLKVR	AAAYG	ISDVPEEDLPTTEDE.QI.NILPDDST.....EE.....	355	
NTDB id 1313 DR RS12030 WP 010888966.1	DERIGQCK	EKTIA	YTAER	PMEQE	IRDRV	MAAIR	RAGNAGEAPALAPAPAAPEAAEA.....	363	
NTDB id 1245 Cj1673c YP 002345041.1	DKKLG	QGRENS	KAFLKEN	PEIADE	ITKAT	QNSM	TEG....MISGSEDDE..GEE.....	343	
NTDB id 1214 NCTC11637 00359 SQJ03206.1	DKKLG	QGRENA	KALLKED	KALADE	ITLKI	KESIG	SNE....EIMPLPDEP..LEEME.....	347	
NTDB id 1211 C694 RS00795 WP 000963128.1	DKKLG	QGRENA	KALLKED	KALADE	ITLKI	KESIG	SNE....EIMPLPDEP..LEEME.....	347	
NTDB id 1334 RAOC RS04870 WP 004918236.1	DTKLG	QGRD	TVKEL	IKDNPE	LAELE	AKIRE	EKLQAK.....	343	
NTDB id 1389 A4U84 RS07560 WP 021112712.1	GTKIG	QCKN	NAVKWL	KENPEI	ADKLE	QEIR	NTLASNP....NSVLKATASDSNDESDV..EEFSEEEEL.....	372	
NTDB id 1130 NGFG RS03960 WP 003688695.1	GAKIG	QCKDN	VRVWL	KENPEI	SDEID	AKIR	ALNCVEM....HITEGTQDE.....TD..GERPEE.....	348	
NTDB id 1124 NGFG RS03960 WP 003688695.1	GAKIG	QCKDN	VRVWL	KENPEI	SDEID	AKIR	ALNCVEM....HITEGTQDE.....TD..GERPEE.....	348	
NTDB id 1123 OK783 RS03845 WP 003688695.1	GAKIG	QCKDN	VRVWL	KENPEI	SDEID	AKIR	ALNCVEM....HITEGTQDE.....TD..GERPEE.....	348	
NTDB id 1427 RS RS02760 WP 011000510.1	GERIG	QGRDN	CREFL	RENAEL	LAREI	ENKVR	EHLGVTP....MGAVTLAE.EVEED.....	352	
NTDB id 1165 A1552VC RS01565 WP 000344154.1	GDKIG	QCKKAN	ACKYL	KENPEI	AKTLD	KKLRE	MLLNPE....NMQLIAETSSAADDVEF..GAVPEEF.....	354	
NTDB id 1142 GTF74 RS11550 WP 000344154.1	GDKIG	QCKKAN	ACKYL	KENPEI	AKTLD	KKLRE	MLLNPE....NMQLIAETSSAADDVEF..GAVPEEF.....	354	
NTDB id 1205 PSJM300 05545 AFN77183.1	GSKIG	QCKKAN	AKYLE	ENPEI	GQEIE	QQIR	AKLLVTS....ANTKATPVAEDLADAD....I.....	347	
NTDB id 313049 AhaeAN43 RS07035 WP 005090091.1	GNKIG	QCKNN	VIRHFE	ENPQ	MAQE	EIKL	IREQLLTKN....NNEAA.AVEED..ELD...LLES.....	347	
NTDB id 1074 ABD1 RS10195 WP 000344167.1	GNKIG	QCKNN	VIRYF	EENP	QIAE	EIERN	IREQLLTTG....TNGAV.QI.EDEEEDPD...LLES.....	349	
NTDB id 1022 ACIAD RS06390 WP 004925639.1	GNKIG	QCKNN	VIRYF	EENP	QISTE	EIAV	IREQLLTKA....SDQTA.AHDETEEEDPD...LLES.....	349	
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NTDB id 600 KW2 RS01765 WP 011675413.1	...	387
NTDB id 269 KZH43 RS08665 WP 001085462.1	IEE	388
NTDB id 228 SPD RS09265 WP 001085462.1	IEE	388
NTDB id 194 SPR RS08825 WP 001085462.1	IEE	388
NTDB id 159 SP RS09750 WP 001085462.1	IEE	388
NTDB id 527 SMSK321 RS11065 WP 001085454.1	IEE	384
NTDB id 499 SM12261 RS08315 WP 078228268.1	IEE	384
NTDB id 453 Spy49 1753c ACI62003.1	D..	378
NTDB id 408 SMU RS09530 WP 002262392.1	D..	383
NTDB id 115 BSU 16940 NP 389576.2	...	348
NTDB id 625 LCA RS02525 WP 011374196.1	...	355
NTDB id 1313 DR RS12030 WP 010888966.1	...	363
NTDB id 1245 Cj1673c YP 002345041.1	...	343
NTDB id 1214 NCTC11637 00359 SQJ03206.1	...	347
NTDB id 1211 C694 RS00795 WP 000963128.1	...	347
NTDB id 1334 RAOC RS04870 WP 004918236.1	...	343
NTDB id 1389 A4U84 RS07560 WP 021112712.1	...	372
NTDB id 1130 NGFG RS03960 WP 003688695.1	...	348
NTDB id 1124 NGFG RS03960 WP 003688695.1	...	348
NTDB id 1123 OK783 RS03845 WP 003688695.1	...	348
NTDB id 1427 RS RS02760 WP 011000510.1	...	352
NTDB id 1165 A1552VC RS01565 WP 000344154.1	...	354
NTDB id 1142 GTF74 RS11550 WP 000344154.1	...	354
NTDB id 1205 PSJM300 05545 AFN77183.1	...	347
NTDB id 313049 AhaeAN43 RS07035 WP 005090091.1	...	347
NTDB id 1074 ABD1 RS10195 WP 000344167.1	...	349
NTDB id 1022 ACIAD RS06390 WP 004925639.1	...	349

consensus

ⓧ non conserved
ⓧ similar
ⓧ ≥ 50% conserved