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NTDB id 600 KW2 RS01765 WP 011675413.1	DEKIGQGA	EKAKNYLKEHQ	DVFD	DEIDHKVRAAHG	LDDSEVAET	...	EEETTAS	TKAKAKKEEKAVETEEIELELED	387	
NTDB id 269 KZH43 RS08665 WP 001085462.1	DEKIGQGS	ENAKKYLA	EHPEIF	DEIDKQVRSKFG	LIDGEEVSEQ	...	DTENKKD	E...PKKEEA..VNEEVPLDLGD	380	
NTDB id 228 SPD RS09265 WP 001085462.1	DEKIGQGS	ENAKKYLA	EHPEIF	DEIDKQVRSKFG	LIDGEEVSEQ	...	DTENKKD	E...PKKEEA..VNEEVPLDLGD	380	
NTDB id 194 SPR RS08825 WP 001085462.1	DEKIGQGS	ENAKKYLA	EHPEIF	DEIDKQVRSKFG	LIDGEEVSEQ	...	DTENKKD	E...PKKEEA..VNEEVPLDLGD	380	
NTDB id 159 SP RS09750 WP 001085462.1	DEKIGQGS	ENAKKYLA	EHPEIF	DEIDKQVRSKFG	LIDGEEVSEQ	...	DTENKKD	E...PKKEEA..VNEEVPLDLGD	380	
NTDB id 499 SM12261 RS08315 WP 078228268.1	DEKIGQGS	ENAKKYLADN	PEIF	DEIDHQVVRVQFGL	LIDGEEIAES	...	KKDE	...AAQVDS..VNEEVTLDLGD	376	
NTDB id 527 SMSK321 RS11065 WP 001085454.1	DEKIGQGS	ENAKKYLADN	PEVFAE	IDHQVVRVQFGL	LIDGEEAAES	...	KKDE	...VAQVDS..VNEEVTLDLGD	376	
NTDB id 453 Spy49 1753c ACI62003.1	GEKIGQGS	ENAKRYLADHP	QLF	DEIDRKVRVKFGL	LEESEEEESA	...	MAVASE	...E...TDDLALDLDN	372	
NTDB id 408 SMU RS09530 WP 002262392.1	GEKIGQGS	ENAKKFLADN	PEIF	DDIDHKVVRVQYGL	IEEDNTEEK	...	QSSKEK	...ETDEK..ADKNLVLELDD	377	
NTDB id 625 LCA RS02525 WP 011374196.1	SERIGQGR	ENAKNYLADH	EDVE	DEVRLKVVRAAYG	ISDVPEEDLP	...	TTED	.EQINIL.....PDD	351	
NTDB id 267515 C0971 RS06710 WP 003349162.1	DERLGQGR	ENAKQYLN	ENVELRNEIQ	KIRDYFGL	DEVKTVTET	...	EEQ	..EEFDLL.....D..	346	
NTDB id 115 BSU 16940 NP 389576.2	EERLGQGR	ENAKQFL	KENKDIMLMI	IQEQIREHYGL	DNNGVVQQQ	...	AEETQE	ELEFE.....E..	348	
NTDB id 1313 DR RS12030 WP 010888966.1	DERIGQG	KEKTIAYIA	ERP	MEQEIRDRVMAA	IRAGNAGEAPALAP	APAAPEAAEA	.....	.....	363	
NTDB id 1245 Cj1673c YP 002345041.1	DKKLGQGR	ENSKAFL	KENPEIA	DEITKAIQNSMG	TEGMI	...	SGSEDD	..GEE.....	343	
NTDB id 1211 C694 RS00795 WP 000963128.1	DKKLGQGR	ENAKALL	KEDKALADEITL	KESIGSNEEI	...	MPLPDEP	..LE	EME.....	347	
NTDB id 1214 NCTC11637 00359 SQJ03206.1	DKKLGQGR	ENAKALL	KEDKALADEITL	KESIGSNEEI	...	MPLPDEP	..LE	EME.....	347	
NTDB id 1334 RAOC RS04870 WP 004918236.1	DTKLGQGR	DTVKEL	TKDNPELA	EELAKIREKLQAK	.....	.....	.....	.....	343	
NTDB id 1389 A4U84 RS07560 WP 021112712.1	GTKIGQGN	NAVKWLKENPEI	ADKLEQEIRNTL	ASNPN	...	VLKATASDSND	ESDV	VEEFS.....EEEL.....	372	
NTDB id 1130 NGFG RS03960 WP 003688695.1	GAKIGQGD	NVRVWLKENPEI	SD	EIDAKIRALNGVEMHI	...	TEGTQDET	...	GERP.....EE.....	348	
NTDB id 1124 NGFG RS03960 WP 003688695.1	GAKIGQGD	NVRVWLKENPEI	SD	EIDAKIRALNGVEMHI	...	TEGTQDET	...	GERP.....EE.....	348	
NTDB id 1123 OK783 RS03845 WP 003688695.1	GAKIGQGD	NVRVWLKENPEI	SD	EIDAKIRALNGVEMHI	...	TEGTQDET	...	GERP.....EE.....	348	
NTDB id 1427 RS RS02760 WP 011000510.1	GERIGQGR	DNCREFL	RENAELAREI	ENKVVREHLG	VTPMG	...	AV	.TLAEEVEED.....	352	
NTDB id 1165 A1552VC RS01565 WP 000344154.1	GDKIGQGN	ANACKYLN	KENPEIAKTLD	KKLREMLLN	PNEM	...	QLIAETSSAADD	VVEFGAVP.....EEF.....	354	
NTDB id 1142 GTF74 RS11550 WP 000344154.1	GDKIGQGN	ANACKYLN	KENPEIAKTLD	KKLREMLLN	PNEM	...	QLIAETSSAADD	VVEFGAVP.....EEF.....	354	
NTDB id 1074 ABD1 RS10195 WP 000344167.1	GNKIGQGN	NVIRYFEENN	QIAE	EIERNIREQLLT	TGTN	...	GAVQ	.I.EDEE	EPD...LLL.....ES.....	349
NTDB id 1022 ACIAD RS06390 WP 004925639.1	GNKIGQGN	NVIRYLEENP	QISTEIEAV	IREQLLTKASD	...	QTAA	.HDETEE	EPD...LLE.....S.....	349	
NTDB id 1205 PSJM300 05545 AFN77183.1	GSKIGQGN	ANAACKYLN	ENPEIQE	IEQQIRAKLLV	TSAN	...	TKATPVAED	LADAD..I.....	347	
consensus	**!!!	*****	**	*****	****	**	**	*		

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	<b>ELEIEEE</b>	
NTDB id 600 KW2 RS01765 WP 011675413.1	.....	387
NTDB id 269 KZH43 RS08665 WP 001085462.1	ELEIEIEE	388
NTDB id 228 SPD RS09265 WP 001085462.1	ELEIEIEE	388
NTDB id 194 SPR RS08825 WP 001085462.1	ELEIEIEE	388
NTDB id 159 SP RS09750 WP 001085462.1	ELEIEIEE	388
NTDB id 499 SM12261 RS08315 WP 078228268.1	ELEIEIEE	384
NTDB id 527 SMSK321 RS11065 WP 001085454.1	ELEIEIEE	384
NTDB id 453 Spy49 1753c ACI62003.1	GIEIED..	378
NTDB id 408 SMU RS09530 WP 002262392.1	TIELED..	383
NTDB id 625 LCA RS02525 WP 011374196.1	STEE....	355
NTDB id 267515 C0971 RS06710 WP 003349162.1	.....	346
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NTDB id 1165 A1552VC RS01565 WP 000344154.1	.....	354
NTDB id 1142 GTF74 RS11550 WP 000344154.1	.....	354
NTDB id 1074 ABD1 RS10195 WP 000344167.1	.....	349
NTDB id 1022 ACIAD RS06390 WP 004925639.1	.....	349
NTDB id 1205 PSJM300 05545 AFN77183.1	.....	347

consensus

**X** non conserved  
**X** similar  
**X** ≥ 50% conserved