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NTDB id 624 LCA RS00040 WP 011373726.1	MINRVVLVGRLLTRDVLRYTSSGA	AVGTF	SMAVNRQFTNANGDREADF	INCVIWRKSAENFANFTK	KGSLV	GVDGRLQTR	80
NTDB id 113 BSU 40900 NP 391970.1	MLNRVVLVGRLLTKDPELRYTPNGA	AVATFTLAVNRFTTNQSG	EREADF	INCVTWRRAQENVANFL	KKGSLAGVDGRLQTR		80
NTDB id 597 KW2 RS01935 WP 021036727.1	.MNKTM	LIGRLTNAPEISKTTN	NKSYVRVTLAVNRFFKNE	KGEREADF	ISITILWGKSAETLVSYAK	KGSLISVEGEIRTR	79
NTDB id 308029 DZ106 RS00740 WP 011284430.1	MYNKVIA	IGRLVAKPELVKTATDKH	VARLSLAVNRRFKNAS	GEREADF	ISIVVWGKLAETLVSYAS	KGSLMSIDGELRTR	80
NTDB id 498 SM12261 RS01980 WP 000282464.1	MYNKVIM	IGRLTSTPELHKTNN	NDKSVARATIAVNRRYKD	QNGEREADFVNM	VLWGKLAESLASYAT	KGSLISVDGELRTR	80
NTDB id 526 SMSK321 RS08825 WP 000282440.1	MYNKVIL	IGRLTSTPELHKTNN	NDKSVARATIAVNRRYKD	QNGEREADFVNM	VLWGRLAETLASYAT	KGSLISVDGELRTR	80
NTDB id 268 KZH43 RS08520 WP 000282467.1	MYNKVIM	IGRLTSTPELHKTNN	NDKSVARATIAVNRRYKD	QNGEREADFVNM	VLWGRLAETLASYAT	KGSLISVDGELRTR	80
NTDB id 227 SPD RS09110 WP 000282467.1	MYNKVIM	IGRLTSTPELHKTNN	NDKSVARATIAVNRRYKD	QNGEREADFVNM	VLWGRLAETLASYAT	KGSLISVDGELRTR	80
NTDB id 193 SPR RS08685 WP 000282467.1	MYNKVIM	IGRLTSTPELHKTNN	NDKSVARATIAVNRRYKD	QNGEREADFVNM	VLWGRLAETLASYAT	KGSLISVDGELRTR	80
NTDB id 158 SP RS09595 WP 000282442.1	MYNKVIL	IGRLTSTPELHKTNN	NDKSVARATIAVNRRYKD	QNGEREADFVNM	VLWGRLAETLASYAT	KGSLISVDGELRTR	80
NTDB id 409 SMU RS08940 WP 002263454.1	MYNKVIL	IGRLVATPEMVKTPK	DKSVTRVTLAVNRRFKS	QDGEKQADFVN	VVLWGRLAETIASYGS	KGSLISLDGELRTR	80
NTDB id 583 DLJ51 RS09560 WP 002962590.1	MYNKVIL	IGRLTAAP	EMVKTPSNKSVTHITLAVNRRFKT	QDGERQADFVN	VVFWGKLAESLVS	YAGKGSLVSLDGEIRTR	80
consensus	*****!!* **** *! ***** **!!!!** *!*!!!!!!*!!!!*!!!!!!*!!!!!!*!!!!!!						

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NTDB id 624 LCA RS00040 WP 011373726.1	NYENQ	QGQ	RVYVTEV	VVDN	FSLLES	RTTTEQR	CGDGAS	QNFNSNQSN	GSQ.....	QSGFTSP	QQTGN	APAA	NNTQ	ADP	153					
NTDB id 113 BSU 40900 NP 391970.1	NYENQ	QGQ	RVYVTEV	QAESV	QFLEP	KNGG	SGS.....	GGYNEG	NSGGG	QYF	GGGQ	NDN	PF	GGN	QNNQ	RRNQ	NSFN	DDP	155	
NTDB id 597 KW2 RS01935 WP 021036727.1	NYTDK	KNEQ	KHYITE	ILGLS	YDLLES	RATLAL	RESAVK												116	
NTDB id 308029 DZ106 RS00740 WP 011284430.1	KYD	.KDGQ	VHYVTEV	LCQS	FQLLES	RAQRAM	RENNVT												116	
NTDB id 498 SM12261 RS01980 WP 000282464.1	RFE	.KNGQM	NYVTEV	LV	TG	FQLLES	RAQRAM	RENNAG												116
NTDB id 526 SMSK321 RS08825 WP 000282440.1	RFE	.KNGQM	NYV	AEVL	VTG	FQLLES	RAQRAM	RENNAG												116
NTDB id 268 KZH43 RS08520 WP 000282467.1	RFE	.KNGQM	NYVTEV	LV	TG	FQLLES	RAQRAM	RENNAG												116
NTDB id 227 SPD RS09110 WP 000282467.1	RFE	.KNGQM	NYVTEV	LV	TG	FQLLES	RAQRAM	RENNAG												116
NTDB id 193 SPR RS08685 WP 000282467.1	RFE	.KNGQM	NYVTEV	LV	TG	FQLLES	RAQRAM	RENNAG												116
NTDB id 158 SP RS09595 WP 000282442.1	RFE	.KNGQM	NYVTEV	LV	TG	FQLLES	RAQRAM	RENNAG												116
NTDB id 409 SMU RS08940 WP 002263454.1	KYE	.KDG	VT	HFVTEV	L	GH	SFQLLES	RAQRAM	RENNSE									116		
NTDB id 583 DLJ51 RS09560 WP 002962590.1	HYE	.KDG	Q	THYVTE	IL	AQS	FQLLES	RAQRAL	RENNGA									116		
consensus	*** ***** ***!*** *****! !*****																			

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NTDB id 624 LCA RS00040 WP 011373726.1	FANNGQA	IDIS	DDDL	LPF	170
NTDB id 113 BSU 40900 NP 391970.1	FANDGK	PIDIS	DDDL	LPF	172
NTDB id 597 KW2 RS01935 WP 021036727.1	...TE	ELLLE	AD	ELPF	129
NTDB id 308029 DZ106 RS00740 WP 011284430.1	..NDL	VDLV	LEED	TLPF	131
NTDB id 498 SM12261 RS01980 WP 000282464.1	..QDL	ADLV	LEEE	ELPF	131
NTDB id 526 SMSK321 RS08825 WP 000282440.1	..QDL	ADLV	LEEE	ELPF	131
NTDB id 268 KZH43 RS08520 WP 000282467.1	..QDL	ADLV	LEEE	ELPF	131
NTDB id 227 SPD RS09110 WP 000282467.1	..QDL	ADLV	LEEE	ELPF	131
NTDB id 193 SPR RS08685 WP 000282467.1	..QDL	ADLV	LEEE	ELPF	131
NTDB id 158 SP RS09595 WP 000282442.1	..QDL	ADLV	LEEE	ELPF	131
NTDB id 409 SMU RS08940 WP 002263454.1	..NDL	ADLV	LEEE	ELPF	131
NTDB id 583 DLJ51 RS09560 WP 002962590.1	..SDL	TDLV	LEEE	ELPF	131
consensus	*****!!!!				

- ☒ non conserved
- ☒ similar
- ☒ ≥ 50% conserved