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NTDB id 624 LCA RS00040 WP 011373726.1	MINRVVLVGRLLTRDVLRYTSSGA	AVGTF	SM	AVNRQ	FTNANG	DREADF	INCV	IWRK	SAENF	ANFTK	KGSL	V	GVDGR	LQTR	80		
NTDB id 113 BSU 40900 NP 391970.1	MLNRVVLVGRLLTKDPELRYTP	NGAAV	ATFT	LAVNR	FTTNQ	SGERADF	INCV	TWRR	QAEN	VANFLK	KGSL	AG	VDGRL	LQTR	80		
NTDB id 1010889 ABOE65 RS17130 WP 012118637.1	MFNFHVMVLVGRLLTKDPELRF	TAAGIP	VAHIT	LAVNR	NFKS	ASGETGT	DFVNC	TWRK	NAENT	ALYCQ	KGSM	V	GVSGR	IQTR	80		
NTDB id 112 BSU 36310 NP 391512.2	MFNQVMLVGRLLTKDPELRYT	SAGAA	VAHV	TLAVNR	SFK	NASGEI	EADY	VNCT	LWRK	TAENT	ALYCQ	KGSL	V	GVSGR	IQTR	80	
NTDB id 597 KW2 RS01935 WP 021036727.1	.MNKTM	LIGRLT	NAPEI	SKTTN	NKSY	VRVT	LAVNR	RFKN	EK	GEREADF	IS	ILWG	KSAET	LVSYAK	KGSLISV	EGEIRTR	79
NTDB id 498 SM12261 RS01980 WP 000282464.1	MYNKVIMIGRLTSTPELHKT	NNDK	SVARAT	IAVNR	RYK	DQNG	GEREADFVN	MVLWG	KLAES	LASYAT	KGSLIS	VDGEL	RTR		80		
NTDB id 526 SMSK321 RS08825 WP 000282440.1	MYNKVILIGRLTSTPELHKT	NNDK	SVARAT	IAVNR	RYK	DQNG	GEREADFVN	MVLWG	RLAET	LASYAT	KGSLIS	VDGEL	RTR		80		
NTDB id 158 SP RS09595 WP 000282442.1	MYNKVILIGRLTSTPELHKT	NNDK	SVARAT	IAVNR	RYK	DQNG	GEREADFVN	MVLWG	RLAET	LASYAT	KGSLIS	VDGEL	RTR		80		
NTDB id 268 KZH43 RS08520 WP 000282467.1	MYNKVIMIGRLTSTPELHKT	NNDK	SVARAT	IAVNR	RYK	DQNG	GEREADFVN	MVLWG	RLAET	LASYAT	KGSLIS	VDGEL	RTR		80		
NTDB id 227 SPD RS09110 WP 000282467.1	MYNKVIMIGRLTSTPELHKT	NNDK	SVARAT	IAVNR	RYK	DQNG	GEREADFVN	MVLWG	RLAET	LASYAT	KGSLIS	VDGEL	RTR		80		
NTDB id 193 SPR RS08685 WP 000282467.1	MYNKVIMIGRLTSTPELHKT	NNDK	SVARAT	IAVNR	RYK	DQNG	GEREADFVN	MVLWG	RLAET	LASYAT	KGSLIS	VDGEL	RTR		80		
NTDB id 583 DLJ51 RS09560 WP 002962590.1	MYNKVILIGRLTAA	PEMVKT	PSN	KSVTH	ITLAVNR	RFKTQD	GERQ	ADFVN	VFWG	KLAES	LVSYAG	KGSL	VSLDGE	IRTR	80		
NTDB id 409 SMU RS08940 WP 002263454.1	MYNKVILIGRLVAT	PEMVKT	PKD	KSVTR	ITLAVNR	RFKSQD	GEKQ	ADFVN	VVLWG	RLAET	TIASYG	SGS	KGSLIS	LDGELRTR	80		
consensus	*!*																

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NTDB id 624 LCA RS00040 WP 011373726.1	NYENQ	Q	Q	Q	R	V	Y	V	T	E	V	V	V	D	N	F	S	L	L	E	S	R	T	T	T	E	Q	R	Q	G	D	G	A	S	Q	N	F	N	S	N	Q	S	N	G	S	Q		Q	S	G	F	T	S	P	Q	Q	T	G	N	A	P	A	A	N	T	Q	A	D	P	153																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
NTDB id 113 BSU 40900 NP 391970.1	NYENQ	Q	Q	Q	R	V	Y	V	T	E	V	Q	A	E	S	V	Q	F	L	E	P	K	N	G	G	G	S	G	S	G		G	Y	N	E	G	N	S	G	G	G	Q	Y	F	G	G	G	Q	N	D	N	P	F	G	G	N	Q	N	N	Q	R	R	N	Q	G	N	S	F	N	D	D	P	155																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
NTDB id 1010889 ABOE65 RS17130 WP 012118637.1	SYEKT	D	G	V	K	V	Y	V	T	E	V	M	A	D	T	V	R	F	M	D	Q	K	Q	K	E	P	L	A	E																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						</

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NTDB id 624 LCA RS00040 WP 011373726.1	FANNGQA	ID	IS	DDDL	LPF	170
NTDB id 113 BSU 40900 NP 391970.1	FANDGKP	ID	IS	DDDL	LPF	172
NTDB id 1010889 ABOE65 RS17130 WP 012118637.1	.....					113
NTDB id 112 BSU 36310 NP 391512.2	.....					113
NTDB id 597 KW2 RS01935 WP 021036727.1	....	TEEL	LLEA	DEL	LPF	129
NTDB id 498 SM12261 RS01980 WP 000282464.1	....	LADLV	LEEEEL	LPF		131
NTDB id 526 SMSK321 RS08825 WP 000282440.1	....	LADLV	LEEEEL	LPF		131
NTDB id 158 SP RS09595 WP 000282442.1	....	LADLV	LEEEEL	LPF		131
NTDB id 268 KZH43 RS08520 WP 000282467.1	....	LADLV	LEEEEL	LPF		131
NTDB id 227 SPD RS09110 WP 000282467.1	....	LADLV	LEEEEL	LPF		131
NTDB id 193 SPR RS08685 WP 000282467.1	....	LADLV	LEEEEL	LPF		131
NTDB id 583 DLJ51 RS09560 WP 002962590.1	....	LTDLV	LEEEEL	LPF		131
NTDB id 409 SMU RS08940 WP 002263454.1	....	LADLV	LEEEEL	LPF		131
consensus	* *****					

 non conserved
 similar
 $\geq 50\%$ conserved