

NTDB id 108	BSU 35470 NP 391427.1	MNPVEKNSSFSKELQQLRSRHLRLTSLSF	SDEMIIEWHIKNGYITAENSISIN	KRRYRCNRCGQTDRQRYF	SFYHSSGKN	80
NTDB id 167	SP RS11275 WP 000867616.1	MKVN.....LDYLGRLFTENEL..	TEEE.....RQLAEKLPA	MARKEKGKLFQCRCNSTILEEWY....	LPIG	56
NTDB id 277	KZH43 RS10090 WP 000867601.1	MKVN.....LDYLGRLFTENEL..	TEEE.....RQLAEKLPA	MARKEKGKLFQCRCNSTILEEWY....	LPIG	56
NTDB id 236	SPD RS10765 WP 000867601.1	MKVN.....LDYLGRLFTENEL..	TEEE.....RQLAEKLPA	MARKEKGKLFQCRCNSTILEEWY....	LPIG	56
NTDB id 202	SPR RS10250 WP 000867601.1	MKVN.....LDYLGRLFTENEL..	TEEE.....RQLAEKLPA	MARKEKGKLFQCRCNSTILEEWY....	LPIG	56
NTDB id 535	SMSK321 RS10515 WP 000867726.1	MKVN.....PNYLGRLFTENEL..	TKEE.....RQLAEKLPA	MARKEKGKLFQCRCDSAILDEWY....	LPIG	56
NTDB id 507	SM12261 RS09240 WP 000867722.1	MKVN.....PNYLGRLFTENEL..	TEEE.....RQLAEKLPA	MARKEKGKLFQCRCNSTILEEWY....	LPIG	56
NTDB id 239845	CGZ47 RS08090 WP 100069772.1	MMAK.....QLAYGRQWSATQL..	S.TVM.NNYSLPQIKQR	LAFAQIVNQRLVQCRCQQVVKEQAR....	LPDG	60
NTDB id 615	LCA RS02545 WP 011374200.1	MGQG.....VIACGRQFTAAQL..	ADTQN.NNYSLPQIKRRP	AFLEVRKHRLVCRCQQVVPPTC....	LPDG	61
consensus		!***	*!!!!*****!	*****!!!!!!!!!!*	****	

[illegible]

NTDB id	108	BSU 35470 NP 391427.1	ESALNQGLRVCIA TPRTDVVLELAPRLKAAFQGD	ISALYGGSDDKGRLSPLMISTTHQLLRKYDAIDVTIIDEVDAFPY	240
NTDB id	167	SP RS11275 WP 000867616.1	AKVINAGGAVCLASPRIDVCLELYKRLQQDFSCG.	IALLHGE.SEPYFRTPLVVATTHQLLKIFYQAFDLLIVDEVDAFPY	212
NTDB id	277	KZH43 RS10090 WP 000867601.1	AKVINAGGAVCLASPRIDVCLELYKRLQQDFSCG.	IALLHGE.SEPYFRTPLVVATTHQLLKIFYQAFDLLIVDEVDAFPY	212
NTDB id	236	SPD RS10765 WP 000867601.1	AKVINAGGAVCLASPRIDVCLELYKRLQQDFSCG.	IALLHGE.SEPYFRTPLVVATTHQLLKIFYQAFDLLIVDEVDAFPY	212
NTDB id	202	SPR RS10250 WP 000867601.1	AKVINAGGAVCLASPRIDVCLELYKRLQQDFSCG.	IALLHGE.SEPYFRTPLVVATTHQLLKIFYQAFDLLIVDEVDAFPY	212
NTDB id	535	SMSK321 RS10515 WP 000867726.1	AKVINAGGAVCLASPRIDVCLELYKRLQDDFACE.	ISLLYGE.SEPYFRTPLVVS TTHQLLKIFYQAFDLLIVDEVDAFPY	212
NTDB id	507	SM12261 RS09240 WP 000867722.1	AKVINAGGAVCLASPRIDVCLELYKRLKKDFACE.	IALLHGE.SEPYFRTPLVVATTHQLLKIFYQAFDLLIVDEVDAFPY	212
NTDB id	239845	CGZ47 RS08090 WP 100069772.1	ATALAN GQRVCVA A PR VAVCLELYPRLQA AFANTP	IIMLMHGEGT APYRYT PLVVCT THQLFKFYQAFDT V IVDEVDAFP F	220
NTDB id	615	LCA RS02545 WP 011374200.1	LVAL QKG QRVC LA A PR VAVCLELYPRLQA AFATT S	IIMLMHGEGT EPYRYT QLVI CT THQLLKIFY HAFDT V IVDEVDAFP E	221
consensus			* * * * *	* * * * *	

NTDB id	108	BSU 35470 NP 391427.1	SADQTLQFAVQKARKKNSTLVYLSATPPKEIKRKALNQLHSVRIPARHHRKPLPEPRFVWCGNWKKKLNRNKIIPAVKR	320
NTDB id	167	SP RS11275 WP 000867616.1	VDPNPMLYHAVKNSVKENGLRIFLTATSTNELDKKVRLGELKRLNLPRRFHGNPLIIPKPVIWLSDFNRYLDKNRSLSPKLKS	292
NTDB id	277	KZH43 RS10090 WP 000867601.1	VDPNPMLYHAVKNSVKENGLRIFLTATSTNELDKKVRLGELKRLNLPRRFHGNPLIIPKPVIWLSDFNRYLDKNRSLSPKLKS	292
NTDB id	236	SPD RS10765 WP 000867601.1	VDPNPMLYHAVKNSVKENGLRIFLTATSTNELDKKVRLGELKRLNLPRRFHGNPLIIPKPVIWLSDFNRYLDKNRSLSPKLKS	292
NTDB id	202	SPR RS10250 WP 000867601.1	VDPNPMLYHAVKNSVKENGLRIFLTATSTNELDKKVRLGELKRLNLPRRFHGNPLIIPKPVIWLSDFNRYLDKNRSLSPKLKS	292
NTDB id	535	SMSK321 RS10515 WP 000867726.1	VDPNPMLYHAVKNSVKENGLRIFLTATSTDDELDRKVRIGELKRLSLPRRFHGNPLIIPKPVWLSDFNRYLEKKCLSPKLKS	292
NTDB id	507	SM12261 RS09240 WP 000867722.1	VDPNPMLYHAVKNSVKENGLRIFLTATSTDDELDRKVRIGELKRLSLPRRFHGNPLIIPKPVWLSDFNHCKEKSRLSPKLKS	292
NTDB id	239845	CGZ47 RS08090 WP 100069772.1	VVNPNPQLEMAYVQAACKPCCALIYLTAATPTVKLRHAINTGDLTGSELPIRFHGHLLPEPHCYPLFTWRRSVKRHQLPSVMRN	300
NTDB id	615	LCA RS02545 WP 011374200.1	VDPNPVLATAVEGAQAKCPQCALLYLTATPTPAIKRAIAAAQMVTSELPFLRFHGHLLPEPQRHVAFNWARAQLKKGRLLPKBLER	301
consensus			* * * * *	

logo

NTDB id 108 BSU 35470 NP 391427.1
NTDB id 167 SP RS11275 WP 000867616.1
NTDB id 277 KZH43 RS10090 WP 000867601.1
NTDB id 236 SPD RS10765 WP 000867601.1
NTDB id 202 SPR RS10250 WP 000867601.1
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NTDB id 507 SM12261 RS09240 WP 000867722.1
NTDB id 239845 CGZ47 RS08090 WP 100069772.1
NTDB id 615 LCA RS02545 WP 011374200.1
consensus



398
372
372
372
372
372
372
379
380

logo

NTDB id 108 BSU 35470 NP 391427.1
NTDB id 167 SP RS11275 WP 000867616.1
NTDB id 277 KZH43 RS10090 WP 000867601.1
NTDB id 236 SPD RS10765 WP 000867601.1
NTDB id 202 SPR RS10250 WP 000867601.1
NTDB id 535 SMSK321 RS10515 WP 000867726.1
NTDB id 507 SM12261 RS09240 WP 000867722.1
NTDB id 239845 CGZ47 RS08090 WP 100069772.1
NTDB id 615 LCA RS02545 WP 011374200.1
consensus



463
432
432
432
432
432
432
444
445

X non conserved
X similar
X ≥ 50% conserved