

NTDB id 615 LCA RS02545 WP 011374200.1	.MGQQVIACGRQFTAAQLADTQNNNY....SLPQIKRRPAFLRVKHLRV	CQRCQQ.VVPPQTC	LPDGRHYCAQCLLFGRL	74				
NTDB id 593 KW2 RS05130 WP 021037147.1	MNLILENLGLHLLLEKDISAFNNFTDQVNNENKLIKIGAMTSVNANKVR	CNRCGTIHIKTNVKLP	IGAFFCPTCLELGRV	80				
NTDB id 165077 MGAS23530 RS05840 WP 031488511.1	.MESIENSYGRILLLESQLPDSA.....RQLAQPLKSVVISRGKMIC	QCRCHY.QLDEE	EARLP	SGAYYCRFCLV	FGRN	69		
NTDB id 277 KZH43 RS10090 WP 000867601.1	.MKVNL	DYLGRLFTENELTEEE.....	RQLAEKLPAMRKEKGKLF	CQRCNS	TILEEWYLP	IGAYYCRECLLMKRV	69	
NTDB id 236 SPD RS10765 WP 000867601.1	.MKVNL	DYLGRLFTENELTEEE.....	RQLAEKLPAMRKEKGKLF	CQRCNS	TILEEWYLP	IGAYYCRECLLMKRV	69	
NTDB id 202 SPR RS10250 WP 000867601.1	.MKVNL	DYLGRLFTENELTEEE.....	RQLAEKLPAMRKEKGKLF	CQRCNS	TILEEWYLP	IGAYYCRECLLMKRV	69	
NTDB id 167 SP RS11275 WP 000867616.1	.MKVNL	DYLGRLFTENELTEEE.....	RQLAEKLPAMRKEKGKLF	CQRCNS	TILEEWYLP	IGAYYCRECLLMKRV	69	
NTDB id 507 SM12261 RS09240 WP 000867722.1	.MKVNP	NLYLGRFTENELTEEE.....	RQLAEKLPAMRKEKGKLF	CQRCNS	TILEEWYLP	IGAYYCRECLLMKRV	69	
NTDB id 535 SMSK321 RS10515 WP 000867726.1	.MKVNP	NLYLGRFTENELTKEE.....	RQLAEKLPAMRKEKGKLF	CQRCDS	AILD	EWYLP	IGAYYCRECLLMKRV	69
consensus	*****	!!*****	*****	*****	*****	*****	*****	*****

[illegible][illegible][illegible]

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NTDB id 615 LCA RS02545 WP 011374200.1
NTDB id 593 KW2 RS05130 WP 021037147.1
NTDB id 165077 MGAS23530 RS05840 WP 031488511.1
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 167 SP RS11275 WP 000867616.1
NTDB id 507 SM12261 RS09240 WP 000867722.1
NTDB id 535 SMSK321 RS10515 WP 000867726.1
consensus

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NTDB id 615 LCA RS02545 WP 011374200.1
NTDB id 593 KW2 RS05130 WP 021037147.1
NTDB id 165077 MGAS23530 RS05840 WP 031488511.1
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 167 SP RS11275 WP 000867616.1
NTDB id 507 SM12261 RS09240 WP 000867722.1
NTDB id 535 SMSK321 RS10515 WP 000867726.1
consensus
```

-  non conserved
-  similar
-  >50% conserved