

NTDB id 615 LCA RS02545 WP 011374200.1	.MGQQVIACGRQFTAAQLADTQNNNY....SLPQIKRRPAFLRVKHLRV	CQRCQQ.VVPPQTC	LPDGRHYCAQCLLFGRL	74
NTDB id 593 KW2 RS05130 WP 021037147.1	MNLILENLGLHILLEKDISAFNNFTDQVNNENKLIKIGAMTSVNANKVR	CNRCGTIHIKTNVK	LPIGAFFCPTCLELGRV	80
NTDB id 977104 MGAS37857 RS06745 WP 010922534.1	.MESIENSYGRLLLESQLPDSA.....	KQLAQPLKSVVILRGKMICQRCHY.	QLDEEARLPSGAYYCRFCLVFGRN	69
NTDB id 277 KZH43 RS10090 WP 000867601.1	.MKVNLIDYLGRLFTENELTEEE.....	RQLAEKLPAMRKEKGKLFQCRCNS.	TILEEWYLPIGAYYCRECLLMKRV	69
NTDB id 236 SPD RS10765 WP 000867601.1	.MKVNLIDYLGRLFTENELTEEE.....	RQLAEKLPAMRKEKGKLFQCRCNS.	TILEEWYLPIGAYYCRECLLMKRV	69
NTDB id 202 SPR RS10250 WP 000867601.1	.MKVNLIDYLGRLFTENELTEEE.....	RQLAEKLPAMRKEKGKLFQCRCNS.	TILEEWYLPIGAYYCRECLLMKRV	69
NTDB id 167 SP RS11275 WP 000867616.1	.MKVNLIDYLGRLFTENELTEEE.....	RQLAEKLPAMRKEKGKLFQCRCNS.	TILEEWYLPIGAYYCRECLLMKRV	69
NTDB id 507 SM12261 RS09240 WP 000867722.1	.MKVNPNIYLGRLFTENELTEEE.....	RQLAEKLPAMRKEKGKLFQCRCNS.	TILEEWYLPIGTYYCRECLLMKRV	69
NTDB id 535 SMSK321 RS10515 WP 000867726.1	.MKVNPNIYLGRLFTENELTKEE.....	RQLAEKLPAMRKEKGKLFQCRCDS.	AILDEWYLPIGAYYCRECLLMKRV	69
consensus	***** **!******	*****!!**!	*****!!**!	

NTDB id 615 LCA RS02545 WP 011374200.1	VEGDWLYTVPECHLFENNIPKLTWEQGLTPHQEKAQAQAVVEVVTQKRHVLTAVTGAGKTEMFLQGILVA LQKGQRVCL A	154
NTDB id 593 KW2 RS05130 WP 021037147.1	RSD EYFYHLPQQDFPEKT .YLRLWTGKLTENQEKEISDALCQQITNNQKLVLQAVTGAGKTEMIYQLIEQILSHGGSSVGLA	158
NTDB id 977104 MGAS37857 RS06745 WP 010922534.1	QSDKLLYAIPPMHFPPKGN..YLVWGGLTA YQEMISQQLLINMQNQKTL VHAVTGAGKTEMIYAAIEAVINTGGWVCIA	147
NTDB id 277 KZH43 RS10090 WP 000867601.1	RSDQTLYFFPQEDFPKQD..VLKWRGQLTPFQEKVSEGLLQAVDKQKPTLVHAVTGAGKTEMIYQVVAKVINAGGAVCLA	147
NTDB id 236 SPD RS10765 WP 000867601.1	RSDQTLYFFPQEDFPKQD..VLKWRGQLTPFQEKVSEGLLQAVDKQKPTLVHAVTGAGKTEMIYQVVAKVINAGGAVCLA	147
NTDB id 202 SPR RS10250 WP 000867601.1	RSDQTLYFFPQEDFPKQD..VLKWRGQLTPFQEKVSEGLLQAVDKQKPTLVHAVTGAGKTEMIYQVVAKVINAGGAVCLA	147
NTDB id 167 SP RS11275 WP 000867616.1	RSDQTLYFFPQEDFPKQD..VLKWRGQLTPFQEKVSEGLLQAVDKQKPTLVHAVTGAGKTEMIYQVVAKVINAGGAVCLA	147
NTDB id 507 SM12261 RS09240 WP 000867722.1	RSDQS SLYFFPQEDFPKQD ..VLKWRGQLTPFQD KVSQGLLQAVDKQEP SLVHAVTGAGKTEMIYQVVAKVINAGGAVCLA	147
NTDB id 535 SMSK321 RS10515 WP 000867726.1	RSDQVLYFFPQEDFAKQD.. ILKWRGQLTPFQEKVSEGLIQAVDKQEP ILVHAVTGAGKTEMIYQVVAKVINAGGAVCLA	147
consensus	* * * * *	

[illegible][illegible]

logo

NTDB id 615 LCA RS02545 WP 011374200.1
NTDB id 593 KW2 RS05130 WP 021037147.1
NTDB id 977104 MGAS37857 RS06745 WP 010922534.1
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



393
383
385
385
385
385
385
385
385
385

logo

NTDB id 615 LCA RS02545 WP 011374200.1
NTDB id 593 KW2 RS05130 WP 021037147.1
NTDB id 977104 MGAS37857 RS06745 WP 010922534.1
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



445
430
441
432
432
432
432
432
432

X non conserved
X similar
X ≥ 50% conserved