

NTDB id 362	SMU RS05200 WP 002262214.1	..MIKILLVEDDLGLSNSV.FDFLDDFADVMQVFIDGEGLYEAESGVYDLILLDMLPEKNGFQVLKELREKGITTPVLIIMTAKE	82
NTDB id 258	KZH43 RS03475 WP 000590640.1	..MIKILLVEDDLGLSNSV.FDFLDDFADVMQVFIDGEGLYEAESGVYDLILLDMLPEKNGFQVLKELREKGITTPVLIIMTAKE	82
NTDB id 217	SPD RS03775 WP 000590640.1	..MIKILLVEDDLGLSNSV.FDFLDDFADVMQVFIDGEGLYEAESGVYDLILLDMLPEKNGFQVLKELREKGITTPVLIIMTAKE	82
NTDB id 183	SPR RS03560 WP 000590640.1	..MIKILLVEDDLGLSNSV.FDFLDDFADVMQVFIDGEGLYEAESGVYDLILLDMLPEKNGFQVLKELREKGITTPVLIIMTAKE	82
NTDB id 147	SP RS03905 WP 000590640.1	..MIKILLVEDDLGLSNSV.FDFLDDFADVMQVFIDGEGLYEAESGVYDLILLDMLPEKNGFQVLKELREKGITTPVLIIMTAKE	82
NTDB id 374	SMU RS06885 WP 002262930.1	..MKKILIVDEEKPISDIIFKNLAKEGYDTITAFDGRALSKYEENPDIIILDMLPELDGLEVAKEVRKN.SHVP IIMLSAKD	82
NTDB id 413	AAK55817.1 141..845()	..MKKILIVDEEKPISDIIFKNMTKEGYEVVTAFNGREALAQFEAEQPDIIILDMLPEIDGLEVAKTIRKT.SSVP IIMLSAKD	82
NTDB id 69805	LLCC RS07055 WP 011676631.1	MASKKILIIIEDEKNLARFVSLELEHEGYATEIKDNRSGLLEATS KDYLILLDMLPELDGFEVARRLRKE.KDTP IIMMTARD	84
NTDB id 606	V4T04 RS01910 WP 003130756.1	MTSKKILIIIEDEKNLARFVSLELEHEGYATEIKDNRSGLLEATS KDYLILLDMLPELDGFEVARRLRKE.KDTP IIMMTARD	84
NTDB id 471	HSISS4 RS01430 WP 002883757.1	.MSKRILLIIVEDEKNLARFVSLELQHEGYDVVEITKDNREGLEMALEKD FDLILLDMLPEMDGFEVTRRLQQE.KD TY IIMMTARD	83
consensus		* ** ! *** ! * **** * ***** ! ** ! ***** ! * ! * ! * ! * ! * ! * ! * ! * ! * ! * ! * ! *	

NTDB id 362	SMU RS05200 WP 002262214.1	GLDDK	GHCF	ELGADDY	LTKPFY	EELK	MRIQALL	KRS	GKF	NEN		N	LT	Y	G	E	L	T	V	D	T	A	T	N	T	M	V	N	G	K	E	V	L	L	G	K	E	F	D	L	157																																	
NTDB id 258	KZH43 RS03475 WP 000590640.1	SLDDK	GHCF	ELGADDY	LTKPFY	EELK	MRIQALL	KRS	GKF	NEN		T	L	T	Y	G	N	I	V	V	N	L	S	T	N	T	V	K	V	E	D	T	P	V	E	L	L	G	K	E	F	D	L	157																														
NTDB id 217	SPD RS03775 WP 000590640.1	SLDDK	GHCF	ELGADDY	LTKPFY	EELK	MRIQALL	KRS	GKF	NEN		T	L	T	Y	G	N	I	V	V	N	L	S	T	N	T	V	K	V	E	D	T	P	V	E	L	L	G	K	E	F	D	L	157																														
NTDB id 183	SPR RS03560 WP 000590640.1	SLDDK	GHCF	ELGADDY	LTKPFY	EELK	MRIQALL	KRS	GKF	NEN		T	L	T	Y	G	N	I	V	V	N	L	S	T	N	T	V	K	V	E	D	T	P	V	E	L	L	G	K	E	F	D	L	157																														
NTDB id 147	SP RS03905 WP 000590640.1	SLDDK	GHCF	ELGADDY	LTKPFY	EELK	MRIQALL	KRS	GKF	NEN		T	L	T	Y	G	N	I	V	V	N	L	S	T	N	T	V	K	V	E	D	T	P	V	E	L	L	G	K	E	F	D	L	157																														
NTDB id 374	SMU RS06885 WP 002262930.1	SEFDK	VI	CL	E	GADDY	V	T	K	P	F	SNREL	L	A	R	V	K	A	H	L	R	T	E	N	I	E	S	A	V	A	E	N	A	S	G	I	P	E	I	I	I	G	D	L	Q	I	L	P	D	A	F	V	A	K	K	R	G	T	E	V	E	L	T	H	R	E	F	E	L	167				
NTDB id 413	AAK55817.1 141..845()	SEFDK	VI	CL	E	GADDY	V	T	K	P	F	SNREL	L	A	R	V	K	A	L	L	R	S	Q	P	M	P	V	D	G	Q	E	A	D	S	K	P	Q	P	I	Q	I	G	D	L	E	I	V	P	D	A	Y	V	A	K	K	Y	G	E	E	L	D	L	T	H	R	E	F	E	L	166				
NTDB id 69805	LLCC RS07055 WP 011676631.1	STM	D	R	V	A	C	L	D	I	GADDY	I	T	K	P	F	A	E	E	L	A	R	V	R	A	F	F	R	E	E	H	G	H	A	V	E	R	A	E	N	T	S		F	R	D	L	V	I	D	K	T	N	R	T	V	H	R	G	K	K	V	I	D	L	T	R	R	E	Y	D	L	163	
NTDB id 606	V4T04 RS01910 WP 003130756.1	STM	D	R	V	A	C	L	D	I	GADDY	I	T	K	P	F	A	E	E	L	A	R	V	R	A	F	F	R	E	E	H	G	H	A	V	E	R	A	E	N	T	S		F	R	D	L	V	I	D	K	T	N	R	T	V	H	R	G	K	K	V	I	D	L	T	R	R	E	Y	D	L	163	
NTDB id 471	HSISS4 RS01430 WP 002883757.1	STM	D	I	V	A	C	L	D	R	GADDY	I	T	K	P	F	A	E	E	L	A	R	I	R	A	T	F	R	R	Q	D	I	E	A	A	K	N	A	P	A	K	A	S	T		Y	R	D	L	K	L	D	V	Q	N	R	T	V	R	G	D	E	A	I	P	L	T	K	R	E	F	D	L	163
consensus		***!*</																																																																								

[illegible]

- non conserved
- similar
- $\geq 50\%$ conserved