

NTDB id 362	SMU RS05200 WP 002262214.1	..MIKILLVEDDLGLSNSV.FDFLDDFA	DVMQVFIDGEGLYEAESGVYDLILLDMLPEKN	GFQVLKELREKGITTPVLI	MTAKE	82
NTDB id 258	KZH43 RS03475 WP 000590640.1	..MIKILLVEDDLGLSNSV.FDFLDDFA	DVMQVFIDGEGLYEAESGVYDLILLDMLPEKN	GFQVLKELREKGITTPVLI	MTAKE	82
NTDB id 217	SPD RS03775 WP 000590640.1	..MIKILLVEDDLGLSNSV.FDFLDDFA	DVMQVFIDGEGLYEAESGVYDLILLDMLPEKN	GFQVLKELREKGITTPVLI	MTAKE	82
NTDB id 183	SPR RS03560 WP 000590640.1	..MIKILLVEDDLGLSNSV.FDFLDDFA	DVMQVFIDGEGLYEAESGVYDLILLDMLPEKN	GFQVLKELREKGITTPVLI	MTAKE	82
NTDB id 147	SP RS03905 WP 000590640.1	..MIKILLVEDDLGLSNSV.FDFLDDFA	DVMQVFIDGEGLYEAESGVYDLILLDMLPEKN	GFQVLKELREKGITTPVLI	MTAKE	82
NTDB id 374	SMU RS06885 WP 002262930.1	..MKKILIVDEEKPIISDIIFKNLAKEGYDTITAFDGR	EALSKYEENPDLIILDMLPELDGLEVAKEVRKN.SHVP	IIMLSAKD		82
NTDB id 413	AAK55817.1 141..845()	..MKKILIVDEEKPIISDIIFKNMKTKEYEVVTAFNGREALEQFEAEQPDIIILDMLPEID	GLEVAKTIRKT.SSVP	IIMLSAKD		82
NTDB id 81656	QI18 RS08165 WP 012898209.1	MTSKKILIIEDEKNLARFVSLELEHEGYATEIKDN	GRSGLEEASSKYDYLLILLDMLPELDGFEVARRLRKE.KDTP	IIMMTARD		84
NTDB id 606	V4T04 RS01910 WP 003130756.1	MTSKKILIIEDEKNLARFVSLELEHEGYATEIKDN	GRSGLEEATSKDYDYLLILLDMLPELDGFEVARRLRKE.KDTP	IIMMTARD		84
NTDB id 471	HSISS4 RS01430 WP 002883757.1	.MSKRILLIVEDEKNLARFVSLELQHEGYDVTEADN	GREGLEMALEKDIDLILLDMLPEMDGFEVTRRLQQE.KD	TYIMMTARD		83
consensus		* ** ! *** ! *	***** **** * *	***** ! ** ! ***** ! * ! * ! * ! * ! * ! * ! *	! * ! ***** ! * ! * ! * ! * ! * ! * ! *	

NTDB id 362	SMU RS05200 WP 002262214.1	G	L	D	D	K	G	H	G	F	E	L	G	A	D	D	Y	L	T	K	P	F	Y	E	E	L	K	M	R	I	Q	A	L	L	R	S	G	K	F	N	E	N		N	L	T	Y	G	E	L	T	V	D	T	A	T	N	T	T	M	V	N	G	K	E	V	E	L	L	G	K	E	F	D	L	157										
NTDB id 258	KZH43 RS03475 WP 000590640.1	S	L	D	D	K	G	H	G	F	E	L	G	A	D	D	Y	L	T	K	P	F	Y	E	E	L	K	M	R	I	Q	A	L	L	R	S	G	K	F	N	E	N		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	S	L	D	D	K	G	H	G	F	E	L	G	A	D	D	Y	L	T	K	P	F	Y	E	E	L	K	M	R	I	Q	A	L	L	R	S	G	K	F	N	E	N		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	S	L	D	D	K	G	H	G	F	E	L	G	A	D	D	Y	L	T	K	P	F	Y	E	E	L	K	M	R	I	Q	A	L	L	R	S	G	K	F	N	E	N		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	S	L	D	D	K	G	H	G	F	E	L	G	A	D	D	Y	L	T	K	P	F	Y	E	E	L	K	M	R	I	Q	A	L	L	R	S	G	K	F	N	E	N		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	S	E	F	D	K	V	I	G	L	E	T	G	A	D	D	Y	V	T	K	P	F	S	N	R	E	L	L	A	R	V	K	A	H	L	R	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()	S	E	F	D	K	V	I	G	L	E	T	G	A	D	D	Y	V	T	K	P	F	S	N	R	E	L	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 81656	QI18 RS08165 WP 012898209.1	S	T	M	D	R	V	A	C	L	D	I	G	A	D	D	Y	T	K	P	F	A	E	E	L	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	S	T	M	D	R	V	A	C	L	D	I	G	A	D	D	Y	T	K	P	F	A	E	E	L	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	S	T	M	D	I																																																																																

[illegible]

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