

logo

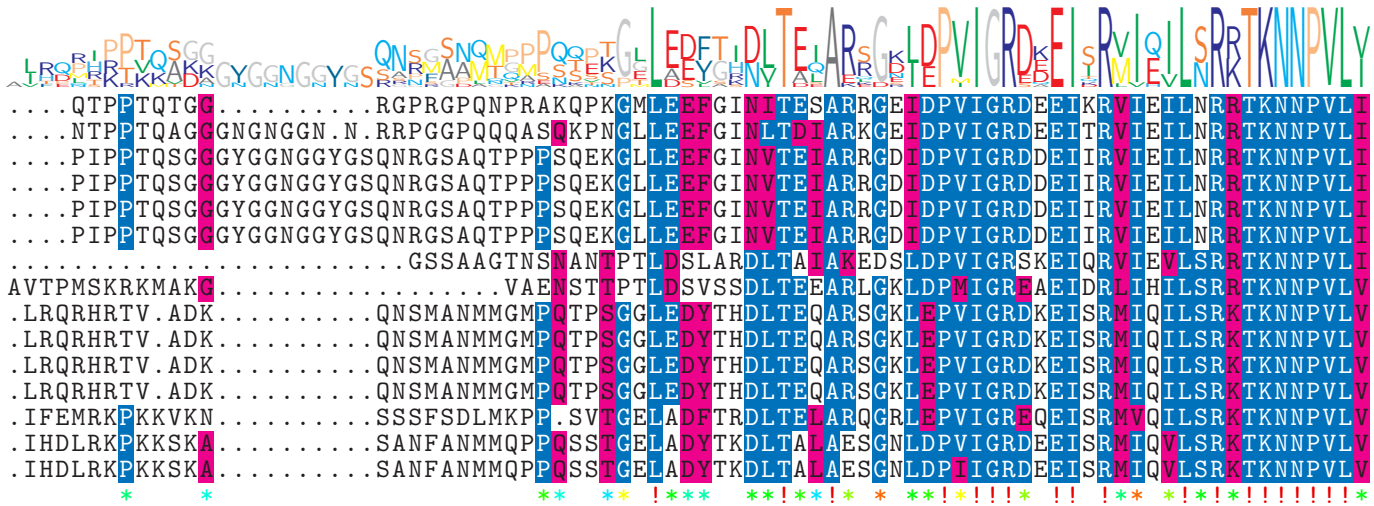
[illegible]

logo

NTDB	id	601	KW2	RS02615	WP	021036805.1	HLYTSVNGQKKQIDLCQNCYQI...MKS	GGQ	EAL	FG	AGNAS	NGNSDE		PFNP	FND	I	FSA	LGGQ	DFNGAASN	.	80																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
NTDB	id	378	SMU	RS02690	WP	002263569.1	HLYANVNCQKKQIDLCQNCYQI...MKTDP	PENG	PLNH	SQ	QNSS		INPFFD	DF	FGD	LNN	FR	AFNNQ	DLP	.	79																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
NTDB	id	281	KZH43	RS03550	WP	000882517.1	HLYTNLNGKQKKQIDLCQNCYKI...IKTDP	NNSL	FKGM	TDL	NNRD		FDP	FG	DFND	LNN	FR	PSSN	..TP	.	76																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
NTDB	id	245	SPD	RS03860	WP	000882517.1	HLYTNLNGKQKKQIDLCQNCYKI...IKTDP	NNSL	FKGM	TDL	NNRD		FDP	FG	DFND	LNN	FR	PSSN	..TP	.	76																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
NTDB	id	243	SPR	RS03635	WP	000882517.1	HLYTNLNGKQKKQIDLCQNCYKI...IKTDP	NNSL	FKGM	TDL	NNRD		FDP	FG	DFND	LNN	FR	PSSN	..TP	.	76																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
NTDB	id	241	SP	RS04015	WP	000882523.1	HLYTNLNGKQKKQIDLCQNCYKI...IKTDP	NNSL	FKGM	TDL	NNRD		FDP	FG	DFND	LNN	FR	PSSN	..TP	.	76																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
NTDB	id	85	BSU	O0860	NP	387967.1	QTIHYTPRAKKVIELSMDEARKLGHSYV	GTEH	ILL	GL	IRE	GEGVAAR	V	LNN	L	GV	SLN	KAR	QQVL	QL		147																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
NTDB	id	610	V4T04	RS10165	WP	012897346.1	STLRFSPRAFEVMTAASFLAIHNNSEAV	GTEH	LLY	ALL	QVE	D	GFL	QL	KL		QKINIV	S	RKE	L	EKRT	GL	KV	P	ES	SK	153																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
NTDB	id	287	SP	RS11210	WP	001109712.1	TELPFSRRLQVLFD	EA	EY	VAS	V	HAK	V	L	GTEH	V	L	YAIL	H	D	G	N	A	L	A	T	R	L	E	R	A	G	F	S	Y	E	D	K	K	D	Q	V	K	I	A	A	L	R	R	N	L	E	E	R	A	G	W	T	R	E	D	L	K	A	160																																																																																																																																																																																																																																																																																																																																																																																																																																		
NTDB	id	72178	EL334	RS11465	WP	001109701.1	TELPFSRRLQVLFD	EA	EY	VAS	V	HAK	V	L	GTEH	V	L	YAIL	H	D	G	N	A	L	A	T	R	L	E	R	A	G	F	S	Y	E	D	K	K	D	Q	V	K	I	A	A	L	R	R	N	L	E	E	R	A	G	W	T	R	E	D	L	K	A	160																																																																																																																																																																																																																																																																																																																																																																																																																																		
NTDB	id	290	KZH43	RS10025	WP	001109677.1	TELPFSRRLQILFD	EA	EY	VAS	V	HAK	V	L	GTEH	V	L	YAIL	H	D	G	N	A	L	A	T	R	L	E	R	A	G	F	S	Y	E	D	K	K	D	Q	V	K	I	A	A	L	R	R	N	L	E	E	R	A	G	W	T	R	E	D	L	K	A	160																																																																																																																																																																																																																																																																																																																																																																																																																																		
NTDB	id	289	SPD	RS10700	WP	001109677.1	TELPFSRRLQILFD	EA	EY	VAS	V	HAK	V	L	GTEH	V	L	YAIL	H	D	G	N	A	L	A	T	R	L	E	R	A	G	F	S	Y	E	D	K	K	D	Q	V	K	I	A	A	L	R	R	N	L	E	E	R	A	G	W	T	R	E	D	L	K	A	160																																																																																																																																																																																																																																																																																																																																																																																																																																		
NTDB	id	377	SMU	RS09275	WP	002262344.1	MILEQSHALKRTL	AE	AA	A	I	S	Q	V	T	HAK	E	V	GTEH	V	L	F	A	M	L	N	P	N	L	A	T	R	L	E	L	V	G	F	HAK	D	D	G	E	S	I	R	L	D	L	R	K	V	T	E	R	Y	A	G	F	S	K	E	D	I	K	A	164																																																																																																																																																																																																																																																																																																																																																																																																																																
NTDB	id	329	STER	RS00545	WP	011680614.1	DLRAQSPALEAML	Q	E	A	Q	E	I	A	S	V	T	G	A	E	V	G	S	E	H	V	L	M	A	F	L	L	H	K	D	L	M	V	C	R	L	E	V	A	G	F	Q	Y	K	D	S	D	K	P	R	I	D	L	R	R	S	L	E	R	N	A	G	L	S	K	Q	D	L	K	A	166																																																																																																																																																																																																																																																																																																																																																																																																																							
NTDB	id	297	STU	RS10020	WP	011225298.1	DLRAQSPALEAML	Q	E	A	Q	G	I	A	S	V	T	G	A	E	V	G	S	E	H	V	L	M	A	F	L	L	H	K	D	L	M	V	C	R	L	E	V	A	G	F	Q	Y	K	D	S	D	K	P	R	I	D	L	R	R	S	L	E	R	N	A	G	L	S	K	Q	D	L	K	A	166																																																																																																																																																																																																																																																																																																																																																																																																																							
consensus							*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*

logo

NTDB id 601 KW2 RS02615 WP 021036805.1
NTDB id 378 SMU RS02690 WP 002263569.1
NTDB id 281 KZH43 RS03550 WP 000882517.1
NTDB id 245 SPD RS03860 WP 000882517.1
NTDB id 243 SPR RS03635 WP 000882517.1
NTDB id 241 SP RS04015 WP 000882523.1
NTDB id 85 BSU 00860 NP 387967.1
NTDB id 610 V4T04 RS10165 WP 012897346.1
NTDB id 287 SP RS11210 WP 001109712.1
NTDB id 72178 EL334 RS11465 WP 001109701.1
NTDB id 290 KZH43 RS10025 WP 001109677.1
NTDB id 289 SPD RS10700 WP 001109677.1
NTDB id 377 SMU RS09275 WP 002262344.1
NTDB id 297 STER RS00545 WP 011680614.1
NTDB id 329 STU RS10020 WP 011225298.1
consensus



151
158
157
157
157
157
207
220
233
233
233
237
240
240

logo

NTDB id 601 KW2 RS02615 WP 021036805.1
NTDB id 378 SMU RS02690 WP 002263569.1
NTDB id 281 KZH43 RS03550 WP 000882517.1
NTDB id 245 SPD RS03860 WP 000882517.1
NTDB id 243 SPR RS03635 WP 000882517.1
NTDB id 241 SP RS04015 WP 000882523.1
NTDB id 85 BSU 00860 NP 387967.1
NTDB id 610 V4T04 RS10165 WP 012897346.1
NTDB id 287 SP RS11210 WP 001109712.1
NTDB id 72178 EL334 RS11465 WP 001109701.1
NTDB id 290 KZH43 RS10025 WP 001109677.1
NTDB id 289 SPD RS10700 WP 001109677.1
NTDB id 377 SMU RS09275 WP 002262344.1
NTDB id 297 STER RS00545 WP 011680614.1
NTDB id 329 STU RS10020 WP 011225298.1
consensus



236
243
242
242
242
242
291
305
318
318
318
318
322
325
325

NTDB id 601 KW2 RS02615 WP 021036805.1	GNM	DAG	NILK	PALARGE	ELQ	LVG	ATT	LNEYR	.I	IEK	DAAL	ERR	MQP	VK	VDE	PSV	DE	TIT	IL	KG	I	QARY	EDY	HV	VKY	TDE	AE	EA	AAH	320																																													
NTDB id 378 SMU RS02690 WP 002263569.1	GNM	DAG	NILK	PALARGE	ELQ	LVG	ATT	LNEYR	.I	IEK	DAAL	ERR	MQP	VK	VDE	PSV	AE	TIT	IL	KG	I	QPKY	EDY	HV	VKY	TDE	AE	EA	AAN	327																																													
NTDB id 281 KZH43 RS03550 WP 000882517.1	GNM	DAG	NILK	PALARGE	ELQ	LVG	ATT	LNEYR	.I	IEK	DAAL	ERR	MQP	VK	VDE	PTV	DE	TIT	IL	KG	I	QKKY	EDY	HV	VQY	TDA	AE	EA	AAT	326																																													
NTDB id 245 SPD RS03860 WP 000882517.1	GNM	DAG	NILK	PALARGE	ELQ	LVG	ATT	LNEYR	.I	IEK	DAAL	ERR	MQP	VK	VDE	PTV	DE	TIT	IL	KG	I	QKKY	EDY	HV	VQY	TDA	AE	EA	AAT	326																																													
NTDB id 243 SPR RS03635 WP 000882517.1	GNM	DAG	NILK	PALARGE	ELQ	LVG	ATT	LNEYR	.I	IEK	DAAL	ERR	MQP	VK	VDE	PTV	DE	TIT	IL	KG	I	QKKY	EDY	HV	VQY	TDA	AE	EA	AAT	326																																													
NTDB id 241 SP RS04015 WP 000882523.1	GNM	DAG	NILK	PALARGE	ELQ	LVG	ATT	LNEYR	.I	IEK	DAAL	ERR	MQP	VK	VDE	PTV	DE	TIT	IL	KG	I	QKKY	EDY	HV	VQY	TDA	AE	EA	AAT	326																																													
NTDB id 85 BSU 00860 NP 387967.1	GA	I	DA	S	NILK	P	S	LARGE	ELQ	C	I	G	ATT	L	DEYR	KY	IEK	DAAL	ERR	FQ	P	I	Q	V	D	Q	P	S	V	D	E	S	I	Q	I	L	Q	L	R	D	R	Y	E	A	H	R	V	S	I	T	D	D	A	E	A	V	K	376																	
NTDB id 610 V4T04 RS10165 WP 012897346.1	SVN	D	A	A	NILK	P	A	LARGE	D	F	Q	M	V	G	A	T	T	Y	H	E	Y	K	Y	IEK	D	E	A	L	ERR	L	R	A	I	N	V	D	E	P	S	P	D	E	A	I	A	I	L	Q	L	R	E	K	F	E	D	Y	H	Q	V	K	F	T	D	Q	A	T	K	S	A	V	M	390			
NTDB id 287 SP RS11210 WP 001109712.1	STL	D	A	A	NILK	P	A	LARGE	T	L	R	T	V	G	A	T	T	Q	E	E	Y	Q	K	H	IEK	D	A	A	L	S	R	R	F	A	K	V	T	I	E	E	P	S	V	A	D	S	M	T	I	L	Q	G	L	K	A	T	Y	E	K	H	R	V	Q	I	T	D	E	A	V	E	T	A	V	K	403
NTDB id 72178 EL334 RS11465 WP 001109701.1	STL	D	A	A	NILK	P	A	LARGE	T	L	R	T	V	G	A	T	T	Q	E	E	Y	Q	K	H	IEK	D	A	A	L	S	R	R	F	A	K	V	T	I	E	E	P	S	V	A	D	S	M	T	I	L	Q	G	L	K	A	T	Y	E	K	H	R	V	Q	I	T	D	E	A	V	E	T	A	V	K	403
NTDB id 290 KZH43 RS10025 WP 001109677.1	STL	D	A	A	NILK	P	A	LARGE	T	L	R	T	V	G	A	T	T	Q	E	E	Y	Q	K	H	IEK	D	A	A	L	S	R	R	F	A	K	V	T	I	E	E	P	S	V	A	D	S	M	T	I	L	Q	G	L	K	A	T	Y	E	K	H	R	V	Q	I	T	D	E	A	V	E	T	A	V	K	403
NTDB id 289 SPD RS10700 WP 001109677.1	STL	D	A	A	NILK	P	A	LARGE	T	L	R	T	V	G	A	T	T	Q	E	E	Y	Q	K	H	IEK	D	A	A	L	S	R	R	F	A	K	V	T	I	E	E	P	S	V	A	D	S	M	T	I	L	Q	G	L	K	A	T	Y	E	K	H	R	V	Q	I	T	D	E	A	V	E	T	A	V	K	403
NTDB id 377 SMU RS09275 WP 002262344.1	STL	D	A	A	NILK	P	A	LARGE	S	L	R	T	I	G	A	T	T	Q	E	E	Y	Q	K	H	IEK	D	A	A	L	S	R</																																												

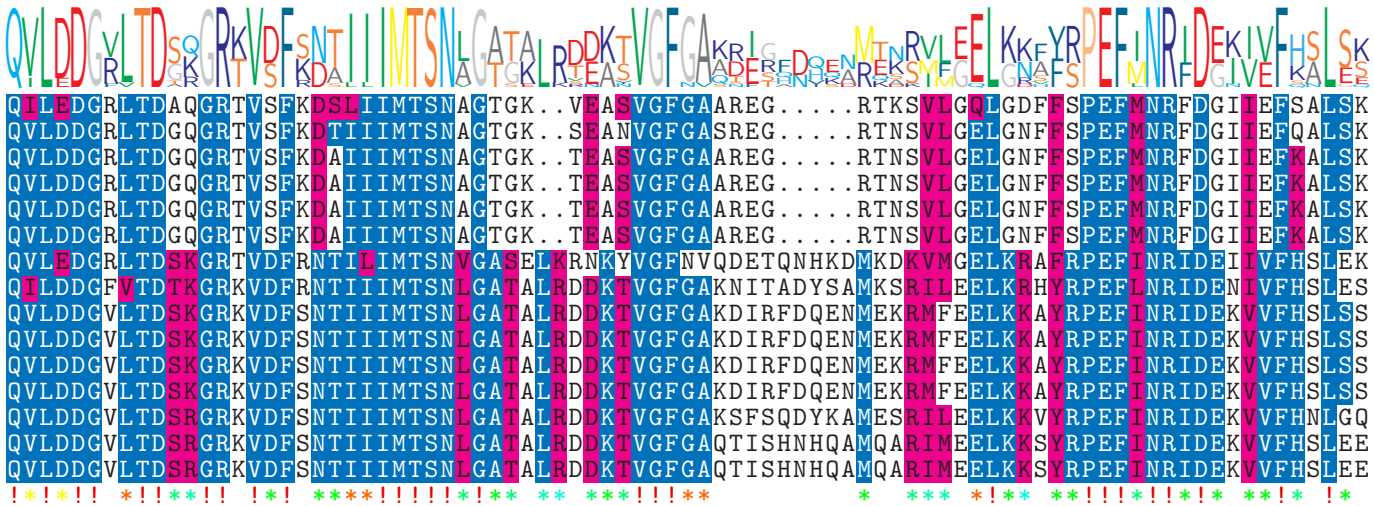
NTDB id 601 KW2 RS02615 WP 021036805.1	LSNRYIQDRFLPDKAIDLLDEAGSKMNLTLKF..VDPEDINRRIADAENKKNEATKAEDFEKAAHFRDQISKLRELQKQ.....	397
NTDB id 378 SMU RS02690 WP 002263569.1	LSNRYIQDRFLPDKAIDLLDEAGSKMNLTLNF..VDPKEIDHRLIEAENLKAQATREDYFEKAAAYFRDQIAKYKEMQSA.....	404
NTDB id 281 KZH43 RS03550 WP 000882517.1	LSNRYIQDRFLPDKAIDLLDEAGSKMNLTLNF..VDPKVIDQRLIEAENLKSQATREEDFEKAAAYFRDQIAKYKEMQKK.....	403
NTDB id 245 SPD RS03860 WP 000882517.1	LSNRYIQDRFLPDKAIDLLDEAGSKMNLTLNF..VDPKVIDQRLIEAENLKSQATREEDFEKAAAYFRDQIAKYKEMQKK.....	403
NTDB id 243 SPR RS03635 WP 000882517.1	LSNRYIQDRFLPDKAIDLLDEAGSKMNLTLNF..VDPKVIDQRLIEAENLKSQATREEDFEKAAAYFRDQIAKYKEMQKK.....	403
NTDB id 241 SP RS04015 WP 000882523.1	LSNRYIQDRFLPDKAIDLLDEAGSKMNLTLNF..VDPKVIDQRLIEAENLKSQATREEDFEKAAAYFRDQIAKYKEMQKK.....	403
NTDB id 85 BSU 00860 NP 387967.1	LSDRYISDRFLPDKAIDLIDEAGSKVRLRSFTTPPNLKELEQLDEVVRKEKDAAVQSQEFKAAASLRDTEQRLREQVEDTKKSWK	461
NTDB id 610 V4T04 RS10165 WP 012897346.1	LSVRYMTSRKLPDKAIDLLDEAAAIVKISVKNQQTKRLLDEKELAEAEQEELSEAVIKLDIKASRTKEKA VEKIADKIYKF.....	470
NTDB id 287 SP RS11210 WP 001109712.1	MAHRYLTSRHLPDS AIDLLDEAAATVQNKAKHVKA DSDS.....S....PADKALMDGKWKQAAQLIAKE.....E.....	466
NTDB id 72178 EL334 RS11465 WP 001109701.1	MAHRYLTSRHLPDS AIDLLDEAAATVQNKAKYVKADSDS.....S....PADKALMDGKWKQAAQLIAKE.....E.....	466
NTDB id 290 KZH43 RS10025 WP 001109677.1	MAHRYLTSRHLPDS AIDLLDEAAATVQNKAKHVKA DSDS.....S....PADKALMDGKWKQAAQLIAKE.....E.....	466
NTDB id 289 SPD RS10700 WP 001109677.1	MAHRYLTSRHLPDS AIDLLDEAAATVQNKAKHVKA DSDS.....S....PADKALMDGKWKQAAQLIAKE.....E.....	466
NTDB id 377 SMU RS09275 WP 002262344.1	GAHRYLSGKNLPDS AIDLLDEASATVQGLVKK..KAPAYL....T....DLDHALITNDYQLAKRLLKKE.....K.....	468
NTDB id 297 STER RS00545 WP 011680614.1	AAHRYLTSKNLPDS AIDLLDEASATVQVRICK..EDKREI....T....PLDEALISGDIGAAVKQYKAN.....Q.....	471
NTDB id 329 STU RS10020 WP 011225298.1	AAHRYLTSKNLPDS AIDLLDEASATVQVRICK..EAKREI....T....PLDEALISGDIGAAVKQYKAN.....Q.....	471
consensus	* !!** * !!! !!!!!*!!** ** ** *	

NTDB id 601 KW2 RS02615 WP 021036805.1	EVTDEDMP	VITEKD	IEQI	VEQK	TQIPVGD	LKEKE	EQTQL	INLADD	DLKAHVIGQDE	EAVDK	ISKAIRRSRV	GLGKPN	RPIGSFL	FLVGP	482
NTDB id 378 SMU RS02690 WP 002263569.1	KLDKENTP	VITEKN	IEVI	VEQK	TNIPVGEL	LKEKE	EQSQL	IHLADD	DLKTRVIGQDA	AVDKI	AKAIRNRV	CLGTPN	RPIGSFL	FLVGP	489
NTDB id 281 KZH43 RS03550 WP 000882517.1	KITDQDTP	IISEKT	IEHI	IEQK	TNIPVGD	LKEKE	EQSQL	IHLAED	LKSHVIGQDD	DAVDK	IAKAIRNRV	CLGTPN	RPIGSFL	FLVGP	488
NTDB id 245 SPD RS03860 WP 000882517.1	KITDQDTP	IISEKT	IEHI	IEQK	TNIPVGD	LKEKE	EQSQL	IHLAED	LKSHVIGQDD	DAVDK	IAKAIRNRV	CLGTPN	RPIGSFL	FLVGP	488
NTDB id 243 SPR RS03635 WP 000882517.1	KITDQDTP	IISEKT	IEHI	IEQK	TNIPVGD	LKEKE	EQSQL	IHLAED	LKSHVIGQDD	DAVDK	IAKAIRNRV	CLGTPN	RPIGSFL	FLVGP	488
NTDB id 241 SP RS04015 WP 000882523.1	KITDQDTPS	IISEKT	IEHI	IEQK	TNIPVGD	LKEKE	EQSQL	IHLAED	LKSHVIGQDD	DAVDK	IAKAIRNRV	CLGTPN	RPIGSFL	FLVGP	488
NTDB id 85 BSU 00860 NP 387967.1	EKQGGENSE	VTVDD	IAMV	VSSW	TGVPVSK	IAQTET	DKLLN	MENI	LHSRVIGQDE	EAVVAVAKAV	RRARACL	KDPK	RPIGSFL	FLGP	546
NTDB id 610 V4T04 RS10165 WP 012897346.1	SVKEDKRQE	VTDQA	VVAVASTL	TGVPIT	QMTKSE	ESDR	LINLEK	ELHKRV	VGQEEAT	ISAV	SRAIRRAR	GVADSR	RRPM	GSMFLGP	555
NTDB id 287 SP RS11210 WP 001109712.1	EVVPV.YKD	LVTESD	ILTTLSRL	SGIPVQKL	TQTD	AKKYL	NLEAEL	LHKRVIGQD	QAVSS	ISRAIRNR	QSGIRSHK	RPIGSFM	FLGP	550	
NTDB id 72178 EL334 RS11465 WP 001109701.1	EVVPV.YKD	LVTESD	ILTTLSRL	SGIPVQKL	TQTD	AKKYL	NLEAEL	LHKRVIGQD	QAVSS	ISRAIRNR	QSGIRSHK	RPIGSFM	FLGP	550	
NTDB id 290 KZH43 RS10025 WP 001109677.1	EVVPV.YKD	LVTESD	ILTTLSRL	SGIPVQKL	TQTD	AKKYL	NLEAEL	LHKRVIGQD	QAVSS	ISRAIRNR	QSGIRSHK	RPIGSFM	FLGP	550	
NTDB id 289 SPD RS10700 WP 001109677.1	EVVPV.YKD	LVTESD	ILTTLSRL	SGIPVQKL	TQTD	AKKYL	NLEAEL	LHKRVIGQD	QAVSS	ISRAIRNR	QSGIRSHK	RPIGSFM	FLGP	550	
NTDB id 377 SMU RS09275 WP 002262344.1	KPLLKKRAE	VKKEED	ILATLSKL	SGIPVKKL	TQAD	SKKYL	NLEREL	LHKRVIGQD	DAVSS	ISRAIRNR	QSGIRVGG	RRP	IGSFM	FLGP	553
NTDB id 297 STER RS00545 WP 011680614.1	KAKFPKPA	LVDADQ	IMQTL	SRLSGIP	VEKMTQT	DSKRYL	NLSE	ELHKRVIGQDE	AVSA	ISRAIRNR	QSGIRT	IGKRP	IGSFM	FLGP	556
NTDB id 329 STU RS10020 WP 011225298.1	KAKFPKPA	LVDADQ	IMQTL	SRLSGIP	VEKMTQT	DSKRYL	NLSE	ELHKRVIGQDE	AVSA	ISRAIRNR	QSGIRT	IGKRP	IGSFM	FLGP	556
consensus	*	*****	*	**	*****!	*	*	*****	!* *	*****!	*****!	!*	* * *!	*****!	!

NTDB id	601	KW2	RS02615	WP	021036805.1	TGVGKTELAKQLAKE	LFGSSSES	MIRFDMSEYMEKHVS	AKLI	GAPPGYVGYE	EAGQ	LTERVRNRPYS	LILL	DETEKAHPDVMH	MFL	567		
NTDB id	378	SMU	RS02690	WP	002263569.1	TGVGKTEL	SKQLAIELFGS	EDS	MIRFDMSEYMEKHAV	AKLV	GAPPGYVGYE	EAGQ	LTEKVRNRPYS	LILL	DEVEKAHPDVMH	MFL	574	
NTDB id	281	KZH43	RS03550	WP	000882517.1	TGVGKTEL	SKQLAIELFGS	SADS	MIRFDMSEYMEKHVS	AKLV	GAPPGYVGYE	EAGQ	LTEKVRHNRPYS	LILL	DEVEKAHPDVMH	MFL	573	
NTDB id	245	SPD	RS03860	WP	000882517.1	TGVGKTEL	SKQLAIELFGS	SADS	MIRFDMSEYMEKHVS	AKLV	GAPPGYVGYE	EAGQ	LTEKVRHNRPYS	LILL	DEVEKAHPDVMH	MFL	573	
NTDB id	243	SPR	RS03635	WP	000882517.1	TGVGKTEL	SKQLAIELFGS	SADS	MIRFDMSEYMEKHVS	AKLV	GAPPGYVGYE	EAGQ	LTEKVRHNRPYS	LILL	DEVEKAHPDVMH	MFL	573	
NTDB id	241	SP	RS04015	WP	000882523.1	TGVGKTEL	SKQLAIELFGS	SADS	MIRFDMSEYMEKHVS	AKLV	GAPPGYVGYE	EAGQ	LTEKVRHNRPYS	LILL	DEVEKAHPDVMH	MFL	573	
NTDB id	85	BSU	00860	NP	387967.1	TGVGKTELARALA	ESIFGD	EES	MIRIDMSEYMEKHST	SRLV	GPPGYVGYE	DEGGQ	LTEKVRNKPYSV	VLL	DETEKAHPDVFN	IIL	631	
NTDB id	610	V4T04	RS10165	WP	012897346.1	TGVGKTELAKALAD	SVFSG	EDNM	MIRVDMSEFM	MEKHST	SRLI	GAPPGYVGYE	DEGGQ	LTERVRNKPYSV	VLL	DEVEKAHPDVFN	IIML	640
NTDB id	287	SP	RS11210	WP	001109712.1	TGVGKTELAKALAE	EVLFDD	ESAL	IRFDMSEYMEKF	FAS	SRLN	GAPPGYVGYE	EGGE	LTEKVRNKPYSV	VLLF	DEVEKAHPDFNV	VLL	635
NTDB id	72178	EL334	RS11465	WP	001109701.1	TGVGKTELAKALAE	EVLFDD	ESAL	IRFDMSEYMEKF	FAS	SRLN	GAPPGYVGYE	EGGE	LTEKVRNKPYSV	VLLF	DEVEKAHPDFNV	VLL	635
NTDB id	290	KZH43	RS10025	WP	001109677.1	TGVGKTELAKALAE	EVLFDD	ESAL	IRFDMSEYMEKF	FAS	SRLN	GAPPGYVGYE	EGGE	LTEKVRNKPYSV	VLLF	DEVEKAHPDFNV	VLL	635
NTDB id	289	SPD	RS10700	WP	001109677.1	TGVGKTELAKALAE	EVLFDD	ESAL	IRFDMSEYMEKF	FAS	SRLN	GAPPGYVGYE	EGGE	LTEKVRNKPYSV	VLLF	DEVEKAHPDFNV	VLL	635
NTDB id	377	SMU	RS09275	WP	002262344.1	TGVGKTELAKALAE	EVLFDD	ESAL	IRFDMSEYMEKF	FAS	SRLN	GAPPGYVGYE	EGGE	LTEKVRNKPYSV	VLLF	DEVEKAHPDFNV	IIL	638
NTDB id	297	STER	RS00545	WP	011680614.1	TGVGKTELAKALAE	EVLFDD	ESALL	RFRDMSEYMEKF	FAS	SRLN	GAPPGYVGYE	EGGE	LTEKVRNKPYSV	VLLF	DETEKAHPDFNV	IIL	641
NTDB id	329	STU	RS10020	WP	011225298.1	TGVGKTELAKALAE	EVLFDD	ESALL	RFRDMSEYMEKF	FAS	SRLN	GAPPGYVGYE	EGGE	LTEKVRNKPYSV	VLLF	DETEKAHPDFNV	VLL	641
consensus						!!!!!!!*	*!*!	*	***!*****!	*!!	**!	!*!!!!!!!!	*!*!	!!*!*	*!***!	!!*!!!!!!!!	*****	!

logo

NTDB id 601 KW2 RS02615 WP 021036805.1
NTDB id 378 SMU RS02690 WP 002263569.1
NTDB id 281 KZH43 RS03550 WP 000882517.1
NTDB id 245 SPD RS03860 WP 000882517.1
NTDB id 243 SPR RS03635 WP 000882517.1
NTDB id 241 SP RS04015 WP 000882523.1
NTDB id 85 BSU 00860 NP 387967.1
NTDB id 610 V4T04 RS10165 WP 012897346.1
NTDB id 287 SP RS11210 WP 001109712.1
NTDB id 72178 EL334 RS11465 WP 001109701.1
NTDB id 290 KZH43 RS10025 WP 001109677.1
NTDB id 289 SPD RS10700 WP 001109677.1
NTDB id 377 SMU RS09275 WP 002262344.1
NTDB id 297 STER RS00545 WP 011680614.1
NTDB id 329 STU RS10020 WP 011225298.1
consensus



645
652
651
651
651
651
716
725
720
720
720
720
723
726
726

logo

NTDB id 601 KW2 RS02615 WP 021036805.1
NTDB id 378 SMU RS02690 WP 002263569.1
NTDB id 281 KZH43 RS03550 WP 000882517.1
NTDB id 245 SPD RS03860 WP 000882517.1
NTDB id 243 SPR RS03635 WP 000882517.1
NTDB id 241 SP RS04015 WP 000882523.1
NTDB id 85 BSU 00860 NP 387967.1
NTDB id 610 V4T04 RS10165 WP 012897346.1
NTDB id 287 SP RS11210 WP 001109712.1
NTDB id 72178 EL334 RS11465 WP 001109701.1
NTDB id 290 KZH43 RS10025 WP 001109677.1
NTDB id 289 SPD RS10700 WP 001109677.1
NTDB id 377 SMU RS09275 WP 002262344.1
NTDB id 297 STER RS00545 WP 011680614.1
NTDB id 329 STU RS10020 WP 011225298.1
consensus



729
736
735
735
735
735
801
810
805
805
805
805
808
811
811

logo

NTDB id 601 KW2 RS02615 WP 021036805.1	ISNQTQETAETTDDEEVPAE	748
NTDB id 378 SMU RS02690 WP 002263569.1	VIKASNK.VETVTKATSD.	753
NTDB id 281 KZH43 RS03550 WP 000882517.1	QIKSAKK.AEVKSSEKEK.	752
NTDB id 245 SPD RS03860 WP 000882517.1	QIKSAKK.AEVKSSEKEK.	752
NTDB id 243 SPR RS03635 WP 000882517.1	QIKSAKK.AEVKSSEKEK.	752
NTDB id 241 SP RS04015 WP 000882523.1	QIKSAKK.AEVKSSEKEK.	752
NTDB id 85 BSU 00860 NP 387967.1	VVKTTAKTN.....	810
NTDB id 610 V4T04 RS10165 WP 012897346.1	KIAQIV.....	816
NTDB id 287 SP RS11210 WP 001109712.1	KFDIA.....	810
NTDB id 72178 EL334 RS11465 WP 001109701.1	KFDIA.....	810
NTDB id 290 KZH43 RS10025 WP 001109677.1	KFDIA.....	810
NTDB id 289 SPD RS10700 WP 001109677.1	KFDIA.....	810
NTDB id 377 SMU RS09275 WP 002262344.1	KFDIV.....	813
NTDB id 297 STER RS00545 WP 011680614.1	TFTVV.....	816
NTDB id 329 STU RS10020 WP 011225298.1	TFTVV.....	816
consensus		



-  non conserved
-  similar
-  ≥ 50% conserved