

NTDB id	20 SA RS08005 WP 001802022.1	MVLLYQFILLRYKDFLTQWKLYIISAVVLIMVLIIGFI	FWRQDDYT	S RNFEN . . . KDTA	LKQSTSEN.NSLSKLEDVQVKD	75
NTDB id	36 MW RS08230 WP 001793467.1	MVLLYQFILLRYKDFLTQWKLYIISAVVLIMVLIIGFI	FWRQDDYT	S RNFEN . . . KDNA	LKQSTSEN.SSLSKVEDVQVKD	75
NTDB id	105 BSU 25590 NP 390437.1	MNVLNQHKKAA	IILAASAAVFATI	MI FLATGKNKEPV	K QAVPTETENTVVQKE	52
NTDB id	300 STER RS07485 WP 011681496.1	MK EKIILAYIKDNRLFVS	VIAIVLMVICFFL	WMTICGAGNSME	AETS YTDVTALSTSSSKQSSQLSEASSQSKT	73
NTDB id	613 LCA RS05340 WP 231952379.1	MMWQDYWQRYYRRFWW	VPCLVLGLIIAGGF	YWHSQQKQKV	TQN . . EQLLATSASKTKPATKKT	61
NTDB id	182944 LLJM1 RS08895 WP 231099719.1					0
NTDB id	595 KW2 RS08725 WP 021037687.1	MEKILTDLKEYWK	IMLLVVCALIAGGI	FYIFTNSPKPAETLSVEN.LSSS	STKSSSVSKFNS	60
NTDB id	521 SMSK321 RS04960 WP 000443804.1	MESIIEEKIKEKYKI	IVICTGLGLLVGGF	FLLKPAPHTPVKETNLQAEEVAISK	DSSTEKDVKVEE	64
NTDB id	493 SM12261 RS04300 WP 000387351.1	MEAIIIEEKIKEKYKI	IVICTGLGLLVGGF	FLLKPAPQTPVKETNLQAEEVA VSK	DSVSEKEVNKEE	64
NTDB id	153 SP RS04730 WP 000387344.1	MEAIIIEEKIKEKYKI	IVICTGLGLLVGGF	FLLKPAPQTPVKETNLQAEEVA VSK	DSSTEKEVNKEE	64
NTDB id	263 KZH43 RS04195 WP 000387330.1	MEAIIIEEKIKEKYKI	IVICTGLGLLVGGF	FLLKPAPQTPVKETNLQAEEVA VSK	DLVSEKEVNKEE	64
NTDB id	222 SPD RS04535 WP 000387330.1	MEAIIIEEKIKEKYKI	IVICTGLGLLVGGF	FLLKPAPQTPVKETNLQAEEVA VSK	DLVSEKEVNKEE	64
NTDB id	188 SPR RS04295 WP 000387330.1	MEAIIIEEKIKEKYKI	IVICTGLGLLVGGF	FLLKPAPQTPVKETNLQAEEVA VSK	DLVSEKEVNKEE	64
consensus		** ***** *	* * *	***** *	* **	

NTDB id 20	SA RS08005 WP 001802022.1	G	D	N	S	K	N	K	G	P	V	Y	V	D	V	K	G	A	V	K	H	P	N	V	Y	K	M	T	S	K	.	D	R	V	V	D	L	I	D	K	A	Q	.	L	L	D	D	A	D	V	S	R	I	N	L	S	E	K	L	T	D	Q	K	M	I	F	I	P	H	K	G	Q	K	N	V	E	P	Q	I	E	V	153
NTDB id 36	MW RS08230 WP 001793467.1	G	D	N	S	K	N	K	G	P	V	Y	V	D	V	K	G	A	V	K	H	P	N	V	Y	K	M	T	S	K	.	D	R	V	V	D	L	I	D	K	A	Q	.	L	L	E	D	A	D	V	S	Q	I	N	L	S	E	K	L	T	D	Q	K	M	I	F	I	P	H	K	G	Q	K	N	V	E	P	Q	I	G	V	153
NTDB id 105	BSU 25590 NP 390437.1	A	N	N	D	S	E	N	T	I	V	I	D	I	K	G	A	V	Q	H	P	G	Y	E	M	R	T	G	.	D	R	V	S	Q	A	I	E	K	A	G	G	T	S	E	Q	A	E	A	Q	V	N	L	A	E	I	L	Q	D	G	T	V	V	I	P	K	K	G	E	E	T	A	V	Q	Q	G	G	131					
NTDB id 300	STER RS07485 WP 011681496.1	E	G	S	E	K	V	K	S	K	I	T	V	D	V	K	G	A	V	V	N	P	G	V	Y	T	L	K	A	G	.	A	R	V	T	D	V	I	Q	E	A	G	G	T	E	D	A	K	S	V	N	L	A	A	S	L	S	D	E	E	V	I	V	A	N	K	D	E	N	V	S	V	L	D	G	T	G	152				
NTDB id 613	LCA RS05340 WP 231952379.1	H	Q	A	A	T	K	K	K	G	G	F	V	D	I	K	G	A	V	V	P	G	I	Y	P	I	T	V	S	E	T	R	L	F	E	V	L	K	N	A	G	G	P	T	D	A	A	T	K	R	L	N	L	A	Q	K	L	T	D	Q	L	I	I	Y	I	P	K	K	G	E	V	V	T	D	Q	E	L	I	Q	141		
NTDB id 182944	LLJM1 RS08895 WP 231099719.1	.	.	M	K	K	N	K	N	E	I	M	V	D	L	K	G	A	V	A	K	P	N	V	Y	Q	I	S	S	D	.	E	R	L	V	D	L	I	R	Q	A	G	G	F	T	D	Q	A	D	Q	K	S	I	N	L	S	A	K	L	K	D	E	E	V	I	V	P	K	L	G	E	S	S	S	S	E	S	T	D	.	76	
NTDB id 595	KW2 RS08725 WP 021037687.1	S	S	S	E	K	N	K	N	E	I	M	V	D	L	K	G	A	V	A	K	P	N	V	Y	Q	I	S	S	D	.	E	R	L	V	D	L	I	R	Q	A	G	G	F	T	D	Q	A	D	Q	K	S	I	N	L	S	A	K	L	K	D	E	E	V	I	V	P	K	V	G	E	S	S	S	S	E	S	T	D	.	138	
NTDB id 521	SMSK321 RS04960 WP 000443804.1	K	E	E	P	V	E	Q	D	L	I	T	V	D	V	K	G	A	V	K	S	P	G	I	Y	D	L	P	V	G	.	S	R	V	N	D	A	V	Q	K	A	G	G	L	T	E	Q	A	D	S	K	S	L	N	L	A	Q	K																								

NTDB	id	20	SA	RS08005	WP	001802022.1	N.....SVHVKNGN	TNN	KVNLN	TASV	SSELMS	VPGVGQA	KANA	IVEYR	NQGA	FQE	IDDLKVK	KGFG	215					
NTDB	id	36	MW	RS08230	WP	001793467.1	N.....SVHVKNGN	TNN	KVNLN	TASV	SSELMS	VPGVGQA	KANA	IVEYR	NQGA	FQE	IDDLKVK	KGFG	215					
NTDB	id	105	BSU	25590	NP	390437.1	GS.....	VQSDGG	KGAL	VNI	TATLEEL	QG	IS	GVGPS	KA	EIAYRE	NGRF	TIEDIT	KVSGIG	191				
NTDB	id	300	STER	RS07485	WP	011681496.1	T.....	GQVSDKG	AV	SKDG	KINLN	TATSEQL	QT	IS	GIGA	KRAED	VIAYRES	HGGFQ	SVDDLK	NVSGIG	217			
NTDB	id	613	LCA	RS05340	WP	231952379.1	APQQIATT	SERTQE	QASTGT	SANAS	STSDTA	KIDL	NQAD	STL	QLT	NG	IGPK	AEQII	AYRED	EKGFKQ	IEDLQKV	GGIG	221	
NTDB	id	182944	LLJM1	RS08895	WP	231099719.1	SPIS	SSVS	NQV	ST	TSGP	KIN	INKA	D	LTEL	QKL	TG	IGQK	KAQDI	IDFRM	KNGDFKS	IEDLGKV	SGFG	142
NTDB	id	595	KW2	RS08725	WP	021037687.1	SPTG	SSVS	NQI	ST	TSGP	KVN	INKA	D	LTEL	QKL	TG	IGQK	KAQDI	IDFRM	KNGDFKS	IEDLGKV	SGFG	204
NTDB	id	521	SMSK321	RS04960	WP	000443804.1	SGAPS		ST	SKDK	KINLN	KASLEEL	KQ	VK	GLGG	KRAQDI	IDHREANG	KFKS	VDELKKV	SGIG	202			
NTDB	id	493	SM12261	RS04300	WP	000387351.1	PGTAS		ST	SKKE	KVNLN	KASLEEL	KQ	VK	GLGG	KRAQDI	IDHREANG	KFKS	VDELKKV	SGIG	202			
NTDB	id	153	SP	RS04730	WP	000387344.1	SGTAS		ST	SKKE	KVNLN	KASLEEL	KQ	VK	GLGG	KRAQDI	IDHREANG	KFKS	VDELKKV	SGIG	202			
NTDB	id	263	KZH43	RS04195	WP	000387330.1	LGTAS		SI	SKKE	KVNLN	KASLEEL	KQ	VK	GLGG	KRAQDI	IDHREANG	KFKS	VDELKKV	SGIG	202			
NTDB	id	222	SPD	RS04535	WP	000387330.1	LGTAS		SI	SKKE	KVNLN	KASLEEL	KQ	VK	GLGG	KRAQDI	IDHREANG	KFKS	VDELKKV	SGIG	202			
NTDB	id	188	SPR	RS04295	WP	000387330.1	LGTAS		SI	SKKE	KVNLN	KASLEEL	KQ	VK	GLGG	KRAQDI	IDHREANG	KFKS	VDELKKV	SGIG	202			
consensus							*		*	**	* ** *	* * ! * ! * ! * ! * !	*	! * !	* ** ! * ** *	! *	* ! * ! * ! * ! * ! * ! * !							

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NTDB id 20 SA RS08005 WP 001802022.1	SKTFDKLKSYFTI.	228
NTDB id 36 MW RS08230 WP 001793467.1	SKTFDKLKSYFTI.	228
NTDB id 105 BSU 25590 NP 390437.1	EKSFEEKIKSSITVK	205
NTDB id 300 STER RS07485 WP 011681496.1	DKTLDKIRESLYVA	231
NTDB id 613 LCA RS05340 WP 231952379.1	PKTFEQLQSQICVN	235
NTDB id 182944 LLJM1 RS08895 WP 231099719.1	DKTLEKCLKDEISID	156
NTDB id 595 KW2 RS08725 WP 021037687.1	DKTLEKCLKDEISID	218
NTDB id 521 SMSK321 RS04960 WP 000443804.1	AKTIEKCLKDYVTVD	216
NTDB id 493 SM12261 RS04300 WP 000387351.1	AKTIEKCLKDYVTVD	216
NTDB id 153 SP RS04730 WP 000387344.1	GKTIEKCLKDYVTVD	216
NTDB id 263 KZH43 RS04195 WP 000387330.1	GKTIEKCLKDYVTVD	216
NTDB id 222 SPD RS04535 WP 000387330.1	GKTIEKCLKDYVTVD	216
NTDB id 188 SPR RS04295 WP 000387330.1	GKTIEKCLKDYVTVD	216
consensus	!*****	

- X

 non conserved
- X

 similar
- X

 ≥ 50% conserved