

NTDB	id	22166	SPYM3	RS00655	WP	002986552.1		MINQWNN	L	R	H	K	K	L	K	G	F	T	L	L	E	M	L	L	V	I	L	V	I	S	V	L	M	L	L	F	V	P	N	L	S	K	Q	D	R	V	T	E	T	G	N	A	A	V	V	K	L	V	E	N	Q	A	E	L	Y	E	L	S	Q	G	.	S	K	P	S	L	S	Q		77							
NTDB	id	588	KW2	RS10845	WP	051303741.1		MSKALSLV	K	I	H	G	R	K	L	C	Q	K	K	Q	K	A	F	T	L	I	E	M	L	I	V	L	A	I	I	S	I	L	I	L	L	F	V	P	N	L	I	K	E	K	A	Q	V	C	K	T	G	B	A	A	V	V	K	V	V	E	S	Q	A	Q	L	Y	E	L	D	H	D	N	I	K	P	N	L	S	E		85
NTDB	id	460	GPW51	RS00790	WP	011921720.1			M	K	K	L	V	E	M	K	V	G	F	T	L	V	E	M	L	V	L	I	I	S	V	L	M	L	L	F	V	P	N	L	S	Q	Q	K	D	A	I	Q	K	G	D	A	A	V	V	K	V	V	E	S	Q	M	E	L	Y	E	L	H	D	.	E	E	A	T	V	A	D		73								
NTDB	id	502	SM12261	RS00955	WP	000738641.1			M	K	K	M	M	T	F	L	K	K	A	K	V	K	A	F	T	L	V	E	M	L	V	V	L	I	I	S	V	L	M	L	L	F	V	P	N	L	T	K	Q	K	E	A	V	N	D	K	G	K	A	A	V	V	K	V	V	E	S	Q	A	E	L	Y	S	L	D	K	N	.	E	D	A	S	L	S	K		77
NTDB	id	272	KZH43	RS09255	WP	000738626.1			M	K	K	M	M	T	F	L	K	K	A	K	V	K	A	F	T	L	V	E	M	L	V	V	L	I	I	S	V	L	M	L	L	F	V	P	N	L	T	K	Q	K	E	A	V	N	D	K	G	K	A	A	V	V	K	V	V	E	S	Q	A	E	L	Y	S	L	D	K	N	.	E	D	A	S	L	R	K		77
NTDB	id	231	SPD	RS09885	WP	000738626.1			M	K	K	M	M	T	F	L	K	K	A	K	V	K	A	F	T	L	V	E	M	L	V	V	L	I	I	S	V	L	M	L	L	F	V	P	N	L	T	K	Q	K	E	A	V	N	D	K	G	K	A	A	V	V	K	V	V	E	S	Q	A	E	L	Y	S	L	D	K	N	.	E	D	A	S	L	R	K		77
NTDB	id	197	SPR	RS09420	WP	000738626.1			M	K	K	M	M	T	F	L	K	K	A	K	V	K	A	F	T	L	V	E	M	L	V	V	L	I	I	S	V	L	M	L	L	F	V	P	N	L	T	K	Q	K	E	A	V	N	D	K	G	K	A	A	V	V	K	V	V	E	S	Q	A	E	L	Y	S	L	D	K	N	.	E	D	A	S	L	R	K		77
NTDB	id	162	SP	RS10370	WP	000738627.1			M	K	K	M	M	T	F	L	K	K	A	K	V	K	A	F	T	L	V	E	M	L	V	V	L	I	I	S	V	L	M	L	L	F	V	P	N	L	T	K	Q	K	E	A	V	N	D	K	G	K	A	A	V	V	K	V	V	E	S	Q	A	E	L	Y	S	L	D	K	N	.	E	D	A	S	L	R	K		77
NTDB	id	530	SMSK321	RS09230	WP	000738643.1			M	K	K	M	M	T	F	L	K	K	A	K	V	K	A	F	T	L	V	E	M	L	V	V	L	I	I	S	V	L	M	L	L	F	V	P	N	L	T	K	Q	K	E	A	V	N	D	K	G	K	A	A</																											

NTDB id	22166	SPYM3	RS00655	WP	002986552.1	LKADGSI	TEKQEKAYQ	DYYDK	HKNEKARL	SN	108
NTDB id	588	KW2	RS10845	WP	051303741.1	LLSAGMIT	QKQVTAYD	DYYDQ	NKNEQR	NFDD	116
NTDB id	460	GPW51	RS00790	WP	011921720.1	LQAKGYI	TEKQAKQY	ATAKK			93
NTDB id	502	SM12261	RS00955	WP	000738641.1	LQADGR	ITEEQAKAYK	EYHAK	QNTS	QTVAD	107
NTDB id	272	KZH43	RS09255	WP	000738626.1	LQADGR	ITEEQAKAYK	EYHDK	KNGGAN	RKVVND	108
NTDB id	231	SPD	RS09885	WP	000738626.1	LQADGR	ITEEQAKAYK	EYHDK	KNGGAN	RKVVND	108
NTDB id	197	SPR	RS09420	WP	000738626.1	LQADGR	ITEEQAKAYK	EYHDK	KNGGAN	RKVVND	108
NTDB id	162	SP	RS10370	WP	000738627.1	LQADGR	ITEEQAKAYK	EYNDK	KNGGAN	RKVVND	108
NTDB id	530	SMSK321	RS09230	WP	000738643.1	LQADGR	ITEEQAKAYN	EYAK	KNGGAN	RKVVND	108
NTDB id	431	SGO	RS09410	WP	012130940.1	LVAAGNI	SQKQADS	YKAYYG	KNNSET	QAVAN	105
NTDB id	396	FSA28	RS09395	WP	002263437.1	LVASGD	ITQEQANS	YKDYAK	HPSKTR	RHVAN	104
NTDB id	387	SMU	RS09025	WP	002263437.1	LVASGD	ITQEQANS	YKDYAK	HPSKTR	RHVAN	104
consensus						!***!	!***!	***!	***	***	

- X non conserved
- X similar
- X >50% conserved