

NTDB	id	588	KW2	RS10845	WP	051303741.1	MSKALSLV	K	I	H	G	R	K	L	C	Q	K	Q	K	A	F	T	L	I	E	M	L	I	V	L	A	I	T	S	I	L	I	L	F	V	P	N	L	I	K	E	K	A	Q	V	Q	K	T	G	E	A	A	V	V	K	V	V	E	S	Q	A	Q	L	Y	E	L	D	H	N	D	K	80		
NTDB	id	460	GPW51	RS00790	WP	011921720.1		M	K	K	L	V	E	M	K	V	K	G	F	T	L	V	E	M	L	V	V	L	G	I	I	S	L	L	L	L	L	F	V	P	N	L	S	Q	Q	K	D	A	I	Q	K	K	G	D	A	A	V	V	K	V	V	E	S	Q	M	E	L	Y	E	L	H	D	..	E	E	68			
NTDB	id	272	KZH43	RS09255	WP	000738626.1		M	K	K	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	F	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	E	K	N	..	E	D	72	
NTDB	id	231	SPD	RS09885	WP	000738626.1		M	K	K	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	F	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	E	K	N	..	E	D	72	
NTDB	id	197	SPR	RS09420	WP	000738626.1		M	K	K	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	F	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	E	K	N	..	E	D	72	
NTDB	id	162	SP	RS10370	WP	000738627.1		M	K	K	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	F	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	E	K	N	..	E	D	72	
NTDB	id	530	SMS321	RS09230	WP	000738643.1		M	K	K	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	F	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	72	
NTDB	id	668076	MP387	RS00835	WP	000735798.1		M	K	K	L	M	T	N	L	K	K	A	K	V	K	A	F	T	L	V	E	M	L	V	V	L	I	I	S	V	L	F	L	F	V	P	N	L	T	K	Q	K	D	A	V	D	D	K	G	K	A	A	V	V	K	V	V	E	S	Q	A	E	L	Y	R	L	D	K	N	..	D	D	72
NTDB	id	502	SM12261	RS00955	WP	000738641.1		M	K	K	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	F	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	72	
NTDB	id	431	SGO	RS09410	WP	012130940.1		M	N	K	L	K	L	F	V	K	A	F	T	L	V	E	M	L	V	V	L																																																				

NTDB id	588	KW2 RS10845 WP 051303741.1	PNLSLELLSAGMITQKQVTAAYDDYYDQNKNEQRNFDD	116
NTDB id	460	GPW51 RS00790 WP 011921720.1	ATVADLQAQGYITEKQAKQYATAKK.....	93
NTDB id	272	KZH43 RS09255 WP 000738626.1	ASLRKLQADGRITEEQAKAYKEYHDKNGGANRKVN	108
NTDB id	231	SPH RS09885 WP 000738626.1	ASLRKLQADGRITEEQAKAYKEYHDKNGGANRKVN	108
NTDB id	197	SPR RS09420 WP 000738626.1	ASLRKLQADGRITEEQAKAYKEYHDKNGGANRKVN	108
NTDB id	162	SP RS10370 WP 000738627.1	ASLRKLQADGRITEEQAKAYKEYHDKNGGANRKVN	108
NTDB id	530	SMSK321 RS09230 WP 000738643.1	ASLSKLQADGRITEEQAKAYNEYAKNGGANRKVN	108
NTDB id	668076	MP387 RS00835 WP 000735798.1	ASLSKLQADGRITAEQAKAYKDHYAKQKTSQTVD.	107
NTDB id	502	SM12261 RS00955 WP 000738641.1	ASLSKLQADGRITEEQAKAYKEYHAKQNTSQTVAD.	107
NTDB id	431	SGO RS09410 WP 012130940.1	ATLSKLVAAGNISQKQADSYPKAYYGKNNSSETQAVAN	105
NTDB id	396	FSA28 RS09395 WP 002263437.1	ATLSKLVASGDITQEANSYKYDYAKHPSKTRHVAN	104
NTDB id	387	SMU RS09025 WP 002263437.1	ATLSKLVASGDITQEANSYKYDYAKHPSKTRHVAN	104
consensus			*****!*****!*****!*****!*?***?*	

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