

NTDB id 619	LCA RS06470 WP 011374999.1	M	K	K	R	K	A	F	T	L	E	M	V	V	L	A	I	T	A	L	L	L	V	A	P	N	L	G	A	Q	K	R	A	E	K	T	D	Q	A	L	V	T	T	L	Q	T	Q	V	E	L	A	S	D	E	I	G	H	Q	I	65												
NTDB id 32	MW RS07995 WP 000472256.1	M	F	K	F	L	..	K	K	T	Q	A	F	T	L	E	M	L	V	L	L	I	I	S	L	L	L	L	L	I	L	I	P	N	I	A	K	Q	T	A	H	I	Q	S	T	G	C	N	A	Q	V	K	M	V	N	S	Q	I	E	A	L	K	H	N	R	N	P	68				
NTDB id 16	SA RS07765 WP 000472256.1	M	F	K	F	L	..	K	K	T	Q	A	F	T	L	E	M	L	V	L	L	I	I	S	L	L	L	L	L	L	I	L	I	P	N	I	A	K	Q	T	A	H	I	Q	S	T	G	C	N	A	Q	V	K	M	V	N	S	Q	I	E	A	L	K	H	N	R	N	P	68			
NTDB id 588	KW2 RS10845 WP 051303741.1	MSK	A	L	S	L	V	K	I	H	R	K	L	C	Q	K	Q	K	A	F	T	L	E	M	L	V	L	A	I	I	S	L	L	L	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	S	Q	A	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	V	K	G	F	T	L	V	E	M	L	V	V	L	G	I	S	L	L	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	S	Q	M	E	L	Y	E	L	H	D	E	E	68								
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	L	L	I	S	V	L	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	S	Q	A	E	L	Y	S	L	D	K	N	E	D	72			
NTDB id 106622	AABJ45 RS10455 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	L	L	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	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	L	L	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	S	Q	A	E	L	Y	S	L	E	K	N	E	D	72			
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	L	L	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	S	Q	A	E	L	Y	S	L	E	K	N	E	D</				

NTDB	id	619	LCA	RS06470	WP	011374999.1	KSLDEL.LTDKYTSKDQLKHAKLKGITIEGGTVKQK.	99
NTDB	id	32	MW	RS07995	WP	000472256.1	SSIEDLIADGFIKEAQKTCCKSGETITIS.NGEAVAN	103
NTDB	id	16	SA	RS07765	WP	000472256.1	SSIEDLIADGFIKEAQKTCCKSGETITIS.NGEAVAN	103
NTDB	id	588	KW2	RS10845	WP	051303741.1	PNLSELLSAGMITKQKVTAVDYDQNKNEQRNFDD	116
NTDB	id	460	GPW51	RS00790	WP	011921720.1	ATVADLQAKGYITEKQAKQYATAKK.....	93
NTDB	id	502	SM12261	RS00955	WP	000738641.1	ASLSKLQADGRITEEQAKAYKEYHAKQNTSQTVD.	107
NTDB	id	106622	AABJ45	RS10455	WP	000738627.1	ASLRKLQADGRITEEQAKAYKEYNDKGGANRKVND	108
NTDB	id	162	SP	RS10370	WP	000738627.1	ASLRKLQADGRITEEQAKAYKEYNDKGGANRKVND	108
NTDB	id	272	KZH43	RS09255	WP	000738626.1	ASLRKLQADGRITEEQAKAYKEYHDKGGANRKVND	108
NTDB	id	231	SPD	RS09885	WP	000738626.1	ASLRKLQADGRITEEQAKAYKEYHDKGGANRKVND	108
NTDB	id	197	SPR	RS09420	WP	000738626.1	ASLRKLQADGRITEEQAKAYKEYHDKGGANRKVND	108
NTDB	id	530	SMSK321	RS09230	WP	000738643.1	ASLSKLQADGRITEEQAKAYNEYAKGGANRKVND	108
NTDB	id	431	SGO	RS09410	WP	012130940.1	ATLSKLVAAGNISQKQADSYPKAYYGNSETQAVAN	105
NTDB	id	396	FSA28	RS09395	WP	002263437.1	ATLSKLVASGDITQEQANSYKDYAKHPSKTRHVN	104
NTDB	id	387	SMU	RS09025	WP	002263437.1	ATLSKLVASGDITQEQANSYKDYAKHPSKTRHVN	104
consensus							*** * ! ** * ! ! ! ! * * * * * * * *	

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