

NTDB id 601 KW2 RS02615 WP 021036805.1	TPPTQTGC.....RGRPGPQNPRAKQPKCMLEEFGINITESARRGEIDPVGIRDEEIKRVIEILNRRTKNNPVL	151
NTDB id 378 SMU RS02690 WP 002263569.1	TPPTQAGCGNGNGGN.N.RRPGGPQQQASQKPNGLLEEFGINLTDIARKGEIDPVGIRDEEITRVIEILNRRTKNNPVL	158
NTDB id 241 SP RS04015 WP 000882523.1	IPPTQSGCGYGGNGGYGSQNRGSAQTTPPSQEKGLEEFGINVTEIARRGIDPVGIRDDEIIRVIEILNRRTKNNPVL	157
NTDB id 281 KZH43 RS03550 WP 000882517.1	IPPTQSGCGYGGNGGYGSQNRGSAQTTPPSQEKGLEEFGINVTEIARRGIDPVGIRDDEIIRVIEILNRRTKNNPVL	157
NTDB id 245 SPD RS03860 WP 000882517.1	IPPTQSGCGYGGNGGYGSQNRGSAQTTPPSQEKGLEEFGINVTEIARRGIDPVGIRDDEIIRVIEILNRRTKNNPVL	157
NTDB id 243 SPR RS03635 WP 000882517.1	IPPTQSGCGYGGNGGYGSQNRGSAQTTPPSQEKGLEEFGINVTEIARRGIDPVGIRDDEIIRVIEILNRRTKNNPVL	157
NTDB id 55921 HD73 RS00465 WP 000971187.1	ASSGHQGGSSNTANPTLDSLARDLTVVARENRDPVIGRSKEIQRVIEVLSRRTKNNPVL	208
NTDB id 85 BSU 00860 NP 387967.1	TGSSA.AGTNSNANTPTLDSLARDLTAIAKEDSLDPVIGRSKEIQRVIEVLSRRTKNNPVL	207
NTDB id 610 V4T04 RS10165 WP 012897346.1	AVTPMSKRKMAK.....VAENSTPTLDSVSSDLTEEARLGLKDPMIGRAEIDRLIHLRSRTKNNPVL	220
NTDB id 290 KZH43 RS10025 WP 001109677.1	.LRQRHRTV.ADK.....QNSMANMMGMPTTPSGGLEDYTHDLTEQARSGKLEPVGIRDKAISRMQILSRKTKNNPVL	233
NTDB id 289 SPD RS10700 WP 001109677.1	.LRQRHRTV.ADK.....QNSMANMMGMPTTPSGGLEDYTHDLTEQARSGKLEPVGIRDKAISRMQILSRKTKNNPVL	233
NTDB id 287 SP RS11210 WP 001109712.1	.LRQRHRTV.ADK.....QNSMANMMGMPTTPSGGLEDYTHDLTEQARSGKLEPVGIRDKAISRMQILSRKTKNNPVL	233
NTDB id 377 SMU RS09275 WP 002262344.1	.IFEMRKPKKVKN.....SSSFSDLMKPP.SVTGELADFTRLDELARQGRLEPVGIRFEQEISRMVQILSRKTKNNPVL	237
NTDB id 297 STER RS00545 WP 011680614.1	.IHDLRKPKKSKA.....SANFANMMQPP.CSSTGELADYTKDLTALAESGNLDPVIGRDEEISRMQVLSRRTKNNPVL	240
NTDB id 329 STU RS10020 WP 011225298.1	.IHDLRKPKKSKA.....SANFANMMQPP.CSSTGELADYTKDLTALAESGNLDPVIGRDEEISRMQVLSRRTKNNPVL	240
consensus	* * * * *	

NTDB	id	601	KW2	RS02615	WP	021036805.1	G	E	P	G	P	G	V	G	K	T	A	V	E	G	L	A	Q	K	I	V	D	G	D	V	P	Q	K	L	Q	N	K	E	V	I	R	L	D	V	V	S	L	V	Q	G	T	G	I	R	G	Q	F	E	E	R	M	Q	K	L	M	D	E	I	R	K	R	N	D	V	I	M	F	I	D	E	I	H	E	I	V	G	A	G	S	A	G	D	236
NTDB	id	378	SMU	RS02690	WP	002263569.1	G	E	P	G	V	G	K	T	A	V	E	G	L	A	Q	K	I	V	D	G	D	V	P	Q	K	L	H	G	K	N	V	I	R	L	D	V	V	S	L	V	Q	G	T	G	I	R	G	Q	F	E	E	R	M	Q	K	L	M	E	E	I	R	Q	R	Q	D	V	I	L	F	I	D	E	I	H	E	I	V	G	A	G	S	A	G	D	243		
NTDB	id	241	SP	RS04015	WP	000882523.1	G	E	P	G	V	G	K	T	A	V	E	G	L	A	Q	K	I	V	D	G	D	V	P	H	K	L	Q	G	K	Q	V	I	R	L	D	V	V	S	L	V	Q	G	T	G	I	R	G	Q	F	E	E	R	M	Q	K	L	M	E	E	I	R	K	R	E	D	V	I	L	F	I	D	E	I	H	E	I	V	G	A	G	S	A	G	D	242		
NTDB	id	281	KZH43	RS03550	WP	000882517.1	G	E	P	G	V	G	K	T	A	V	E	G	L	A	Q	K	I	V	D	G	D	V	P	H	K	L	Q	G	K	Q	V	I	R	L	D	V	V	S	L	V	Q	G	T	G	I	R	G	Q	F	E	E	R	M	Q	K	L	M	E	E	I	R	K	R	E	D	V	I	L	F	I	D	E	I	H	E	I	V	G	A	G	S	A	G	D	242		
NTDB	id	245	SPD	RS03860	WP	000882517.1	G	E	P	G	V	G	K	T	A	V	E	G	L	A	Q	K	I	V	D	G	D	V	P	H	K	L	Q	G	K	Q	V	I	R	L	D	V	V	S	L	V	Q	G	T	G	I	R	G	Q	F	E	E	R	M	Q	K	L	M	E	E	I	R	K	R	E	D	V	I	L	F	I	D	E	I	H	E	I	V	G	A	G	S	A	G	D	242		
NTDB	id	243	SPR	RS03635	WP	000882517.1	G	E	P	G	V	G	K	T	A	V	E	G	L	A	Q	K	I	V	D	G	D	V	P	H	K	L	Q	G	K	Q	V	I	R	L	D	V	V	S	L	V	Q	G	T	G	I	R	G	Q	F	E	E	R	M	Q	K	L	M	E	E	I	R	K	R	E	D	V	I	L	F	I	D	E	I	H	E	I	V	G	A	G	S	A	G	D	242		
NTDB	id	55921	HD73	RS00465	WP	000971187.1	G	E	P	G	V	G	K	T	A	E	G	L	A	Q	I	V	N	N	E	V	P	E	T	L	R	D	K	R	V	M	T	L	D	M	G	T	V	V	A	G	T	K	Y	R	G	E	F	E	D	R	L	K	K	V	M	D	E	I	R	Q	A	G	N	I	I	L	F	I	D	E	L	H	T	L	I	G	A	G	G	A	E	292					
NTDB	id	85	BSU	00860	NP	387967.1	G	E	P	G	V	G	K	T	A	E	G	L	A	Q	I	V	N	N	E	V	P	E	I	L	R	D	K	R	V	M	T	L	D	M	G	T	V	V	A	G	T	K	Y	R	G	E	F	E	D	R	L	K	K	V	M	D	E	I	R	Q	A	G	N	I	I	L	F	I	D	E	L	H	T	L	I	G	A	G	G	A	E	291					
NTDB	id	610	V4T04	RS10165	WP	012897346.1	G	E	P	G	V	G	K	T																																																																															

logo

NTDB id 601	KW2	RS02615	WP 021036805.1		482
NTDB id 378	SMU	RS02690	WP 002263569.1		489
NTDB id 241	SP	RS04015	WP 000882523.1		488
NTDB id 281	KZH43	RS03550	WP 000882517.1		488
NTDB id 245	SPD	RS03860	WP 000882517.1		488
NTDB id 243	SPR	RS03635	WP 000882517.1		488
NTDB id 55921	HD73	RS00465	WP 000971187.1		547
NTDB id 85	BSU	00860	NP 387967.1		546
NTDB id 610	V4T04	RS10165	WP 012897346.1		555
NTDB id 290	KZH43	RS10025	WP 001109677.1		550
NTDB id 289	SPD	RS10700	WP 001109677.1		550
NTDB id 287	SP	RS11210	WP 001109712.1		550
NTDB id 377	SMU	RS09275	WP 002262344.1		553
NTDB id 297	STER	RS00545	WP 011680614.1		556
NTDB id 329	STU	RS10020	WP 011225298.1		556
consensus					

logo

NTDB id 601	KW2	RS02615	WP 021036805.1		567
NTDB id 378	SMU	RS02690	WP 002263569.1		574
NTDB id 241	SP	RS04015	WP 000882523.1		573
NTDB id 281	KZH43	RS03550	WP 000882517.1		573
NTDB id 245	SPD	RS03860	WP 000882517.1		573
NTDB id 243	SPR	RS03635	WP 000882517.1		573
NTDB id 55921	HD73	RS00465	WP 000971187.1		632
NTDB id 85	BSU	00860	NP 387967.1		631
NTDB id 610	V4T04	RS10165	WP 012897346.1		640
NTDB id 290	KZH43	RS10025	WP 001109677.1		635
NTDB id 289	SPD	RS10700	WP 001109677.1		635
NTDB id 287	SP	RS11210	WP 001109712.1		635
NTDB id 377	SMU	RS09275	WP 002262344.1		638
NTDB id 297	STER	RS00545	WP 011680614.1		641
NTDB id 329	STU	RS10020	WP 011225298.1		641
consensus					

logo



NTDB id 601 KW2 RS02615 WP 021036805.1	ISNQTQETAETTDEEVP	748
NTDB id 378 SMU RS02690 WP 002263569.1	VIKASNK.VETVTKATSD.	753
NTDB id 241 SP RS04015 WP 000882523.1	QIKSAKK.AEVKSSEKEK.	752
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 55921 HD73 RS00465 WP 000971187.1	VIHSAEKVK.....	811
NTDB id 85 BSU 00860 NP 387967.1	VVKTTAKTN.....	810
NTDB id 610 V4T04 RS10165 WP 012897346.1	KIAQIV.....	816
NTDB id 290 KZH43 RS10025 WP 001109677.1	KFDIA.....	810
NTDB id 289 SPD RS10700 WP 001109677.1	KFDIA.....	810
NTDB id 287 SP RS11210 WP 001109712.1	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