

logo

NTDB	id	617	LCA	RS06480	WP	011375001.1	.MST	E	E	K	L	T	T	L	L	K	H	C	A	K	Q	R	V	Q	D	L	Y	F	T	P	T	I	G	G	W	L	T	E	R	R	Q	S	D	L	V	T	N	Q	E	L	D	K	P	T	G	T	R	Y	I	N	L	K	Y	M	A	G	M	D	I	S	E	T	R	R	A	Q	T	G	R	S	E	L	Q	L	A	D		84			
NTDB	id	586	KW2	RS10855	WP	011836048.1	..M	V	Q	K	K	A	Q	E	L	I	Q	K	A	I	E	M	E	A	S	D	I	Y	L	T	A	S	G	N	L	Y	K	T	I	Y	R	Q	L	G	R	T	L	T	E	E	V	N	Q	E	I	G	L	A	L	L	T	H	F	K	F	L	A	G	M	N	T	G	E	R	R	V	Q	L	G	A	C	W	Y	E	L	G		83			
NTDB	id	584	DLJ51	RS00890	WP	019777327.1	M	V	E	V	Q	E	L	G	K	E	L	I	R	Q	A	V	E	E	Q	A	D	I	Y	L	I	P	K	P	A	V	Y	K	I	Y	L	R	F	G	E	K	R	H	L	I	Q	T	C	P	P	E	Q	A	A	G	L	I	S	H	F	K	F	L	A	G	M	N	V	G	E	K	R	A	Q	L	G	A	C	D	Y	A	F	A	D		85
NTDB	id	385	SMU	RS09035	WP	002263435.1	..M	V	Q	K	L	G	R	K	I	I	A	E	A	V	Q	N	K	A	Q	D	I	Y	I	I	P	K	K	E	S	Y	E	L	M	R	I	C	N	E	R	F	I	D	V	D	H	H	F	M	A	N	L	I	S	H	F	K	F	V	A	G	M	N	V	G	E	K	R	S	Q	L	G	S	C	D	Y	S	Y	D		83					
NTDB	id	394	FSA28	RS09405	WP	002291652.1	..M	V	Q	K	L	G	R	K	I	I	A	E	A	V	Q	N	K	A	Q	D	I	Y	I	I	P	K	K	E	S	Y	E	L	M	R	I	C	N	E	R	F	I	D	V	D	H	H	F	M	A	N	L	I	S	H	F	K	F	V	A	G	M	N	V	G	E	K	R	S	Q	L	G	S	C	D	Y	S	Y	D		83					
NTDB	id	500	SM12261	RS00945	WP	000249545.1	..M	V	Q	E	I	A	Q	E	I	I	R	S	A	R	K	K	G	A	Q	D	I	Y	F	V	P	K	L	D	A	Y	E	L	H	M	R	V	G	D	E	R	C	K	I	G	C	Y	D	F	E	K	F	A	A	V	I	S	H	F	K	F	V	A	G	M	N	V	G	E	K	R	S	Q	L	G	S	C	D	Y	E	Y	D		83		
NTDB	id	270	KZH43	RS09265	WP	000249564.1	..M	V	Q	E	I	A	Q	E	I	I	R	S	A	R	K	K	G	T	Q	D	I	Y	F	V	P	K	L	D	A	Y	E	L	H	M	R	V	G	D	E	R	C	K	I	G	S	Y	D	F	E	K	F	A	A	V	I	S	H	F	K	F	V	A	G	M	N	V	G	E	K	R	S	Q	L	G	S	C	D	Y	A	Y	D		83		
NTDB	id	229	SPD	RS09895	WP	000249564.1	..M	V	Q	E	I	A	Q	E	I	I	R	S	A	R	K	K	G	T	Q	D	I	Y	F	V	P	K	L	D	A	Y	E	L	H	M	R	V	G	D	E	R	C	K	I	G	S	Y	D	F	E	K	F	A	A	V	I	S	H	F	K	F	V	A	G	M	N	V	G	E	K	R	S	Q	L	G	S	C	D	Y	A	Y	D		83		
NTDB	id	195	SPR	RS09430	WP	000249564.1	..M	V	Q	E	I	A	Q	E	I	I	R	S	A	R	K	K	G	T																																																																			

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NTDB	id	617	LCA	RS06480	WP	011375001.1	Q.TIYLRRLATVGDFLNR	ESLVIRFITYPIGAIYHCCD	QILLAQLTQMSR	QSLILFAGPT	TSGSKTT	SLYHL	LAQQSMS	AKMVVAIED	168
NTDB	id	586	KW2	RS10855	WP	011836048.1	SSAKRLRLSTVGDFFGN	ESLVIRLLHDQKQLE	FWFD.DK..	LQDFRCKRGLYLFAGP	VSGSKTSLMFDL	LAIRHFSNAQ	VITIEE	165	
NTDB	id	584	DLJ51	RS00890	WP	019777327.1	GETAALRLSTVGDYQGR	ESLVIRLLFDRKREL	KFWFD.G	INALLPKIIGRGLYLF	SGPVSGSKTTLMYE	LVSRKY	PDSQITIED	169	
NTDB	id	385	SMU	RS09035	WP	002263435.1	GKVISLRLSVGDYRGY	ESLVIRLLFSGRHD	LKFWFN.SMDL	LLEINIKRGLYLF	SGPVSGKT	LMYQLV	KLRFETK	QVITIED	167
NTDB	id	394	FSA28	RS09405	WP	002291652.1	GKVISLRLSVGDYRGY	ESLVIRLLFSGRHD	LKFWFN.SMDL	LLEINIKRGLYLF	SGPVSGSKTSLMYQL	VKLRFETK	QVITIED	167	
NTDB	id	500	SM12261	RS00945	WP	000249545.1	K.MASLRLSTVGDYRGH	ESLVIRLLHDEEQ	DLHFWFQ.DIEEL	GKQYRQRGLYLFAGP	VSGSKTTLMH	ELAKSLFK	QQVMSIED	166	
NTDB	id	270	KZH43	RS09265	WP	000249564.1	K.IASLRLSTVGDYRGH	ESLVIRLLHDEEQ	DLHFWFQ.DIEEL	GKQYRQRGLYLFAGP	VSGSKTTLMH	ELSKSLFK	QQVMSIED	166	
NTDB	id	229	SPD	RS09895	WP	000249564.1	K.IASLRLSTVGDYRGH	ESLVIRLLHDEEQ	DLHFWFQ.DIEEL	GKQYRQRGLYLFAGP	VSGSKTTLMH	ELSKSLFK	QQVMSIED	166	
NTDB	id	195	SPR	RS09430	WP	000249564.1	K.IASLRLSTVGDYRGH	ESLVIRLLHDEEQ	DLHFWFQ.DIEEL	GKQYRQRGLYLFAGP	VSGSKTTLMH	ELSKSLFK	QQVMSIED	166	
NTDB	id	160	SP	RS10380	WP	000249564.1	K.IASLRLSTVGDYRGH	ESLVIRLLHDEEQ	DLHFWFQ.DIEEL	GKQYRQRGLYLFAGP	VSGSKTTLMH	ELSKSLFK	QQVMSIED	166	
NTDB	id	67287	SITYG	RS09120	WP	096363208.1	K.KTSLRLSTVGDYRGY	ESLVIRLLHDEKA	ELKFWFA.QIPEL	KGQLKQRGLYLF	SGPVSGSKTTLMH	QLAQLER	FADEQITMSIED	166	
NTDB	id	429	SGO	RS09420	WP	012130942.1	K.ETSLRLSTVGDYRGY	ESLVIRLLHDEE	TELKFWFT.HFP	ELREKFKDRGLYLF	SGPVSGSKTTLMH	QLAQLKFK	QQVMSIED	166	
consensus							* * * * *	! ! ! ! !	* * * * *	! ! ! ! !	* * * * *	! ! ! ! !	* * * * *	! ! ! ! !	* * * * *

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NTDB	id	617	LCA	RS06480	WP	011375001.1	P	T	E	I	V	A	P	E	F	L	Q	L	Q	V	N	D	A	G	L	S	Y	A	E	L	L	K	I	S	L	R	L	R	P	D	T	L	I	G	E	I	R	D	L	E	T	A	Q	Y	V	V	S	A	A	L	S	C	H	L	V	L	S	T	I	H	A	R	S	T	Q	G	V	V	A	R	L	L	D	L	G	T	S	E	L	253	
NTDB	id	586	KW2	RS10855	WP	011836048.1	P	V	E	L	I	D	S	D	F	I	Q	L	Q	V	N	D	V	I	G	N	S	Y	D	E	L	I	K	L	S	L	R	H	R	P	D	L	L	I	V	G	E	I	R	D	Q	T	A	R	A	V	I	R	A	S	L	T	G	Y	T	V	F	S	T	I	H	A	S	V	K	G	V	V	A	R	L	L	E	L	G	L	S	D	W	250	
NTDB	id	584	DLJ51	RS00890	WP	019777327.1	P	V	E	I	K	Q	D	N	M	L	Q	L	Q	L	N	P	S	I	G	M	T	Y	D	H	L	I	K	L	S	L	R	H	R	P	D	V	L	I	G	E	I	R	D	E	T	A	Q	A	V	I	R	A	S	L	T	G	I	R	V	F	S	T	V	H	A	K	S	I	P	G	V	Y	A	R	L	E	L	G	V	S	E	Q	254		
NTDB	id	385	SMU	RS09035	WP	002263435.1	P	V	E	I	K	Q	D	N	M	L	Q	L	Q	L	N	E	S	I	G	M	T	Y	D	N	L	I	K	L	S	L	R	H	R	P	D	L	L	I	G	E	I	R	D	K	E	T	A	R	A	V	I	R	A	S	L	T	G	A	M	V	F	S	T	I	H	A	K	S	I	P	G	V	Y	A	R	L	E	L	G	T	S	E	252		
NTDB	id	394	FSA28	RS09405	WP	002291652.1	P	V	E	I	K	Q	D	N	M	L	Q	L	Q	L	N	E	S	I	G	M	T	Y	D	N	L	I	K	L	S	L	R	H	R	P	D	L	L	I	G	E	I	R	D	K	E	T	A	R	A	V	I	R	A	S	L	T	G	A	M	V	F	S	T	I	H	A	K	S	I	P	G	V	Y	A	R	L	E	L	G	T	S	E	252		
NTDB	id	500	SM12261	RS00945	WP	000249545.1	P	V	E	I	K	Q	D	N	M	L	Q	L	Q	L	N	E	A	I	G	L	T	Y	E	N	L	I	K	L	S	L	R	H	R	P	D	L	L	I	G	E	I	R	D	S	E	T	A	R	A	V	V	R	A	S	L	T	G	A	T	V	F	S	T	I	H	A	K	S	I	R	G	V	Y	E	R	L	L	E	L	G	V	S	E	E	251
NTDB	id	270	KZH43	RS09265	WP	000249564.1	P	V	E	I	K	Q	D	N	M	L	Q	L	Q	L	N	E	A	I	G	L	T	Y	E	N	L	I	K	L	S	L	R	H	R	P	D	L	L	I	G	E	I	R	D	S	E	T	A	R	A	V	V	R	A	S	L	T	G	A	T	V	F	S	T	I	H	A	K	S	I	R	G	V	Y	E	R	L	L	E	L	G	V	S	E	E	251
NTDB	id	229	SPD	RS09895	WP	000249564.1	P	V	E	I	K	Q	D	N	M	L	Q	L	Q	L	N	E	A	I	G	L	T	Y	E	N	L	I	K	L	S	L	R	H	R	P	D	L	L	I	G	E	I	R	D	S	E	T	A	R	A	V	V	R	A	S	L	T	G	A	T	V	F	S	T	I	H	A	K	S	I	R	G	V	Y	E	R	L	L	E	L	G	V	S	E	E	251
NTDB	id	195	SPR	RS09430	WP	000249564.1	P	V	E	I	K	Q	D	N	M	L																																																																											

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NTDB id 617 LCA RS06480 WP 011375001.1	QLRACLTGIAVYQSLVTKDDVVQAH...YELLTGSDYFSKKEGG.....CDV.....	296
NTDB id 586 KW2 RS10855 WP 011836048.1	ELKNGLEAVVYQRLIAGKGVLDIAKSKFDTWSPKKWNEKTENLYANGHLTAIEEAEREKISINQASKIDTTDGESFE	326
NTDB id 584 DLJ51 RS00890 WP 019777327.1	ELDNCLAGIAYQRLIGGGGLIDFAQDHFQNHQAECWNEKIDQLLAAGHLTEEEAAAEEKIKD.....	315
NTDB id 385 SMU RS09035 WP 002263435.1	ELQNALRGIVYQRLIGGGGIIDFAKGDYQNHSAKKWNKQIYDLFTAGYITEGEAQAEIIE.....	313
NTDB id 394 FSA28 RS09405 WP 002291652.1	ELQNALCGIVYQRLIGGGGIIDFAKGDYQNHSAKKWNKQIYDLFTAGYITEGEAQAEIIE.....	313
NTDB id 500 SM12261 RS00945 WP 000249545.1	ELAVVLQGVICYQRLIGGGGIVDFANKDYQEHQSTSWNAQIDQLLKDGHITSLQAETEKISYS.....	313
NTDB id 270 KZH43 RS09265 WP 000249564.1	ELAVVLQGVICYQRLIGGGGIVDFASRDYQEHQAQAKWNEQIDQLLKDGHITSLQAETEKISYS.....	313
NTDB id 229 SPD RS09895 WP 000249564.1	ELAVVLQGVICYQRLIGGGGIVDFASRDYQEHQAQAKWNEQIDQLLKDGHITSLQAETEKISYS.....	313
NTDB id 195 SPR RS09430 WP 000249564.1	ELAVVLQGVICYQRLIGGGGIVDFASRDYQEHQAQAKWNEQIDQLLKDGHITSLQAETEKISYS.....	313
NTDB id 160 SP RS10380 WP 000249564.1	ELAVVLQGVICYQRLIGGGGIVDFASRDYQEHQAQAKWNEQIDQLLKDGHITSLQAETEKISYS.....	313
NTDB id 67287 SITYG RS09120 WP 096363208.1	ELKIVLQGICYQRLIAGKGVDFVSEYQEHDPSEWNRQIDQLYAAGHINLEQAKAEKIIHS.....	313
NTDB id 429 SGO RS09420 WP 012130942.1	ELKIVLQGICYQRLIGGGGVIDFASDNYQEHEPTVWNQQIDQLLAAGHHPQAEAEKIRNQQAKTSY.....	319
consensus	*! **!*****!!******* ** ** ** **	

- ⓧ non conserved
- ✖ similar
- ⓧ ≥ 50% conserved