

logo

NTDB	id 617	LCA RS06480 WP 011375001.1	.MSTEEKLTTLLKHCAKQRVQDLYFTPTIGGWRLTERRQSILVTNQELDKPTGTRYINLKYMAGMDISETRRRAQTGRSELQLAD	84
NTDB	id 586	KW2 RS10855 WP 011836048.1	..MVQKKKAQELIQKAIEMEASDIYLIASGNLYKIYIRQQLGRTLTeevNQEIGLALLTHFKFLAGMNTGERRRVQLGCWYELEG	83
NTDB	id 304	STER RS09000 WP 011681689.1	..MVTEFAKEMIKNDASCQAQDIYVFPRQDNELYMRVGQERRLIDVYRPFMASLICGHKFVAGMNVGKEKRSSLGCACDYDCGD	83
NTDB	id 584	DLJ51 RS00890 WP 01977327.1	MVEEVQLKGKELIRQAVEEQAQDIYLPLPKPAVKIYLRFCBCKRHLLTQCDDPEAAGLISHFKFVLAGNMNVGEKRRAQLGCADYAFA	85
NTDB	id 385	SMU RS09035 WP 002663435.1	..MVQKLGRKIIAEAVQNKAQDIYIIPKKESELYLMRICNERRRIDVDYDHFFMANLISHFKFVAGMNVGEKRSSQLGSCDYSYDE	83
NTDB	id 394	FSA28 RS09405 WP 002291652.1	..MVQKLGRKIIAEAVQNKAQDIYIIPKKESELYLMRICNERRRIDVDYDHFFMANLISHFKFVAGMNVGEKRSSQLGSCDYSYDE	83
NTDB	id 429	SGO RS09420 WP 012130942.1	..MVQKIAQAIIVRQAKEECAQDIYFVPKDCCYELMYRICDERRFITQTYDFQLAAVISHFKFVLAGNMNVGEKRSSQLGSCDYRYDD	83
NTDB	id 500	SM12261 RS00945 WP 000249545.1	..MVQEIAQEIIIRSARKKGAQDIYFVPKLDAYELHMRVCDERCKIGSYDFEKFAAVISHFKFVAGMNVGEKRSSQLGSCDYEYDQ	83
NTDB	id 270	KZH43 RS09265 WP 000249564.1	..MVQEIAQEIIIRSARKKGTQDIYFVPKLDAYELHMRVCDERCKIGSYDFEKFAAVISHFKFVAGMNVGEKRSSQLGSCDAYDH	83
NTDB	id 229	SPD RS09895 WP 000249564.1	..MVQEIAQEIIIRSARKKGTQDIYFVPKLDAYELHMRVCDERCKIGSYDFEKFAAVISHFKFVAGMNVGEKRSSQLGSCDAYDH	83
NTDB	id 195	SPR RS09430 WP 000249564.1	..MVQEIAQEIIIRSARKKGTQDIYFVPKLDAYELHMRVCDERCKIGSYDFEKFAAVISHFKFVAGMNVGEKRSSQLGSCDAYDH	83
NTDB	id 160	SP RS10380 WP 000249564.1	..MVQEIAQEIIIRSARKKGTQDIYFVPKLDAYELHMRVCDERCKIGSYDFEKFAAVISHFKFVAGMNVGEKRSSQLGSCDAYDH	83
consensus			***** * !! ! * * * * * * * * * * * * *	

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NTDB	id	617	LCA	RS06480	WP	011375001.1	.QTIY	LRL	ATV	GDF	FLNR	ESL	VR	F	TYPI	GAI	YH	CDD	Q	Q	I	LAQ	L	TQMS	R	QS	G	L	I	L	FAG	P	T	G	S	G	K	T	T	S	L	Y	H	L	A	Q	Q	S	M	S	A	K	M	V	V	A	I	E		168																							
NTDB	id	586	KW2	RS10855	WP	011836048.1	SSAKR	LRL	STV	GDF	EGN	ESL	VR	L	L	H	D	Q	K	Q	E	L	E	F	W	F	D	.	DK	.	L	Q	D	F	R	C	K	R	G	L	Y	L	FAG	P	V	G	S	G	K	T	S	L	M	F	D	L	A	R	H	F	S	N	A	Q	V	I	T	I	E		165												
NTDB	id	304	STER	RS09000	WP	011681689.1	GHLV	S	L	R	L	STV	G	D	Y	R	G	L	ESL	VR	I	L	H	S	E	R	R	E	L	V	Y	W	N	Q	.	G	T	Q	P	I	K	D	A	L	D	R	G	L	Y	L	FAG	P	V	G	S	G	K	T	T	L	M	H	E	L	V	Q	R	E	F	K	G	Q	V	I	S	I	E		167				
NTDB	id	584	DLJ51	RS00890	WP	019777327.1	GETA	A	L	R	L	STV	G	D	Y	Q	C	R	ESL	VR	L	L	F	D	R	K	R	E	L	K	F	W	F	D	.	G	I	N	A	L	P	K	I	C	R	G	L	Y	L	F	S	G	P	V	G	S	G	K	T	T	L	M	H	E	L	V	S	R	K	Y	P	D	S	Q	I	T	I	E		169			
NTDB	id	385	SMU	RS09035	WP	002663435.1	GKVI	S	L	R	L	S	V	G	D	Y	R	G	Y	ESL	VR	L	L	F	S	G	R	H	D	L	K	F	W	F	N	.	S	M	D	L	I	L	N	E	I	K	R	G	L	Y	L	F	S	G	P	V	G	S	G	K	T	S	L	M	Y	Q	L	V	K	L	R	F	E	T	K	Q	V	I	T	I	E		167
NTDB	id	394	FSA28	RS09405	WP	002291652.1	GKVI	S	L	R	L	S	V	G	D	Y	R	G	Y	ESL	VR	L	L	F	S	G	R	H	D	L	K	F	W	F	N	.	S	M	D	L	I	L	N	E	I	K	R	G	L	Y	L	F	S	G	P	V	G	S	G	K	T	S	L	M	Y	Q	L	V	K	L	R	F	E	T	K	Q	V	I	T	I	E		167
NTDB	id	429	SGO	RS09420	WP	012130942.1	.KET	S	I	R	L	STV	G	D	Y	R	G	Y	ESL	VR	L	L	H	D	E	E	T	E	L	K	F	W	F	T	.	H	F	P	E	L	R	E	K	F	K	D	R	G	L	Y	L	F	S	G	P	V	G	S	G	K	T	T	L	M	H	Q	L	A	Q	L	K	F	K	G	Q	V	M	S	I	E		166	
NTDB	id	500	SM12261	RS00945	WP	000249545.1	.KMA	S	L	R	L	STV	G	D	Y	R	G	H	ESL	VR	L	L	H	D	E	E	Q	D	L	H	F	W	F	Q	.	D	I	E	E	L	G	K	Q	Y	R	R	G	L	Y	L	FAG	P	V	G	S	G	K	T	T	L	M	H	E	L	A	K	S	L	F	K	G	Q	V	M	S	I	E		166				
NTDB	id	270	KZH43	RS09265	WP	000249564.1	.KI	A	S	L	R	L	STV	G	D	Y	R	G	H	ESL	VR	L	L	H	D	E	E	Q	D	L	H	F	W	F	Q	.	D	I	E	E	L	G	K	Q	Y	R	R	G	L	Y	L	FAG	P	V	G	S	G	K	T	T	L	M	H	E	L	S	K	S	L	F	K	G	Q	V	M	S	I	E		166			
NTDB	id	229	SPD	RS09895	WP	000249564.1	.KI	A	S	L	R	L	STV	G	D	Y	R	G	H	ESL	VR	L	L	H	D	E	E	Q	D	L	H	F	W	F	Q	.	D	I	E	E	L	G	K	Q	Y	R	R	G	L	Y	L	FAG	P	V	G	S	G	K	T	T	L	M	H	E	L	S	K	S	L	F	K	G	Q	V	M	S	I	E		166			
NTDB	id	195	SPR	RS09430	WP	000249564.1	.KI	A	S	L	R	L	STV	G	D	Y	R	G	H	ESL	VR	L	L	H	D	E	E	Q	D	L	H	F	W	F	Q	.	D	I	E	E	L	G	K	Q	Y	R	R	G	L	Y	L	FAG	P	V	G	S	G	K	T	T	L	M	H	E	L	S	K	S	L	F	K	G	Q	V	M	S	I	E		166			
NTDB	id	160	SP	RS10380	WP	000249564.1	.KI	A	S	L	R	L	STV	G	D	Y	R	G	H	ESL	VR	L	L	H	D	E	E	Q	D	L	H	F	W	F	Q	.	D	I	E	E	L	G	K	Q	Y	R	R	G	L	Y	L	FAG	P	V	G	S	G	K	T	T	L	M	H	E	L	S	K	S	L	F	K	G	Q	V	M	S	I	E		166			
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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	N	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	V	V	S	A	A	L	S	G	H	L	V	L	S	T	I	H	A	R	S	T	Q	G	V	V	A	R	L	L	D	L	G	I	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	A	S	V	K	G	V	V	Q	R	L	L	E	L	G	L	S	D	W		250																																																																																																																																																																																																																																																																																																																																																																																																																												
NTDB	id	304	STER	RS09000	WP	011681689.1	P	V	E	I	K	Q	D	N	V	L	Q	L	Q	V	N	D	V	I	D	M	T	Y	D	S	L	I	K	L	S	L	R	H	R	P	D	V	L	I	G	E	I	R	D	K	E	T	A	R	A	V	I	R	A	S	L	T	G	Y	T	V	L	S	T	I	H	A	K	S	I	A	G	V	Y	E	R	L	L	D	L	G	V	D	K	S		252																																																																																																																																																																																																																																																																																																																																																																																																																												
NTDB	id	584	DLJ51	RS00890	WP	019777327.1	P	V	E	I	K	Q	D	N	M	L	Q	L	Q	N	S	I	D	M	T	Y	D	H	L	I	K	L	S	L	R	H	R	P	D	V	L	I	G	E	I	R	D	K	E	T	A	Q	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	I	L	E	L	G	V	S	Q	D		254																																																																																																																																																																																																																																																																																																																																																																																																																															
NTDB	id	385	SMU	RS09035	WP	002263435.1	P	V	E	I	K	Q	D	N	M	L	Q	L	Q	N	S	I	D	M	T	Y	D	N	L	I	K	L	S	L	R	H	R	P	D	T	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	M	L	E	L	G	T	S	S	E		252																																																																																																																																																																																																																																																																																																																																																																																																																														
NTDB	id	394	FSA28	RS09405	WP	002291652.1	P	V	E	I	K	Q	D	N	M	L	Q	L	Q	N	S	I	D	M	T	Y	D	N	L	I	K	L	S	L	R	H	R	P	D	T	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	M	L	E	L	G	T	S	S	E		252																																																																																																																																																																																																																																																																																																																																																																																																																														
NTDB	id	429	SGO	RS09420	WP	012130942.1	P	V	E	I	K	Q	D	N	M	L	Q	L	Q	N	E	T	I	G	L	T	Y	E	S	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	P	G	V	Y	E	R	L	L	E	L	G	V	S	E		251																																																																																																																																																																																																																																																																																																																																																																																																																														
NTDB	id	500	SM1261	RS00945	WP	000249545.1	P	V	E	I	K	Q	D	N	M	L	Q	L	Q	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		251																																																																																																																																																																																																																																																																																																																																																																																																																														
NTDB	id	270	KZH43	RS09265	WP	000249564.1	P	V	E	I	K	Q	D	N	M	L	Q	L	Q	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		251																																																																																																																																																																																																																																																																																																																																																																																																																														
NTDB	id	229	SPD	RS09895	WP	000249564.1	P	V	E	I	K	Q	D	N	M	L	Q	L	Q	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		251																																																																																																																																																																																																																																																																																																																																																																																																																														
NTDB	id	195	SPR	RS09430	WP	000249564.1	P	V	E	I	K	Q	D	N	M	L	Q	L	Q	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		251																																																																																																																																																																																																																																																																																																																																																																																																																														
NTDB	id	160	SP	RS10380	WP	000249564.1	P	V	E	I	K	Q	D	N	M	L	Q	L	Q	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		251																																																																																																																																																																																																																																																																																																																																																																																																																														
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NTDB id 617 LCA RS06480 WP 011375001.1	QLRACLTGTYQSLVTKDDVVQAH...YELLTGSDYFSKKE...GGCDV.....	296
NTDB id 586 KW2 RS10855 WP 011836048.1	ELKNGLEAVVYQRLIAGKGVLDIAKSKFDTWSPKKWNEKTENLYANGHLTAIEAEREKISINQASKIDTTDGESFE	326
NTDB id 304 STER RS09000 WP 011681689.1	ELDNALQGIAYMRLIKGGGVIDFARENFQNHSSSTNWNQQLLEGLVKQGCLTERDIQGEKIKD.....	313
NTDB id 584 DLJ51 RS00890 WP 019777327.1	ELDNCLAGIAYQRLIGGGGLIDFAQDHFQNHQAECWNEKIDQLLAAGHLTEEEAAAEEKIKD.....	315
NTDB id 385 SMU RS09035 WP 002263435.1	ELQNALRGIVYQRLIGGGGIIDFAKGDYQNHSAKKWNKQIYDLFTAGYITEGEAQAEIIED.....	313
NTDB id 394 FSA28 RS09405 WP 002291652.1	ELQNALCGIVYQRLIGGGGIIDFAKGDYQNHSAKKWNKQIYDLFTAGYITEGEAQAEIIED.....	313
NTDB id 429 SGO RS09420 WP 012130942.1	ELKIVLQGGICYQRLIGGGGVIDFASDNYQEHEPTVWNQQIDQLLAAGHIHPEQAEAEKIRNQQAKTSY.....	319
NTDB id 500 SM12261 RS00945 WP 000249545.1	ELAVVLQGVICYQRLIGGGGIVDFANKDYQEHQSTSWNAQIDQLLDKGHITSLQAETEKISYS.....	313
NTDB id 270 KZH43 RS09265 WP 000249564.1	ELAVVLQGVICYQRLIGGGGIVDFASRDYQEHQAANKWNEQIDQLLDKGHITSLQAETEKISYS.....	313
NTDB id 229 SPD RS09895 WP 000249564.1	ELAVVLQGVICYQRLIGGGGIVDFASRDYQEHQAANKWNEQIDQLLDKGHITSLQAETEKISYS.....	313
NTDB id 195 SPR RS09430 WP 000249564.1	ELAVVLQGVICYQRLIGGGGIVDFASRDYQEHQAANKWNEQIDQLLDKGHITSLQAETEKISYS.....	313
NTDB id 160 SP RS10380 WP 000249564.1	ELAVVLQGVICYQRLIGGGGIVDFASRDYQEHQAANKWNEQIDQLLDKGHITSLQAETEKISYS.....	313
consensus	*! !*** !*** !***** **** * * **** ***** !*** ** ***	

- non conserved
- similar
- ≥ 50% conserved