

[illegible]

NTDB id 586 KW2 RS10855 WP 011836048.1	YELGSSAKRLRLSTVGD	FE	GNESL	VLIRLL	LDKQ	KELEFWFD	DK..	LQDFRCK	RGLYLF	FAGPVG	SGKTS	LMF	DLA	HR	H	FS	156
NTDB id 584 DLJ51 RS00890 WP 019777327.1	YAFADGETAALRLSTVGDY	QGR	ESL	VLIRLL	FD	RKREL	KFWFDGL	NAL	LPKIIG	RGLYLF	SGPVG	SGKTT	LMY	EL	VSR	KYP	160
NTDB id 394 FSA28 RS09405 WP 002291652.1	YSYDEGKVVISLRLSSVGDY	RGY	ESL	VLIRLL	FSGRH	DLKFWF	N	SMDL	LILNEIK	RGLYLF	SGPVG	SGKTS	LMY	QLV	K	LRFE	158
NTDB id 247394 C0204 RS01180 WP 002264247.1	YSYDEGKVVISLRLSSVGDY	RGY	ESL	VLIRLL	FSGRH	DLKFWF	N	SMDL	LILNEIK	RGLYLF	SGPVG	SGKTS	LMY	QLV	K	LRFG	158
NTDB id 385 SMU RS09035 WP 00263435.1	YSYDEGKVVISLRLSSVGDY	RGY	ESL	VLIRLL	FSGRH	DLKFWF	N	SMDL	LILNEIK	RGLYLF	SGPVG	SGKTS	LMY	QLV	K	LRFE	158
NTDB id 429 SGO RS09420 WP 012130942.1	YRYDDKETSTRLSTVGDY	RGY	ESL	VLIRLL	HDEET	ELKFWF	THFPE	LR	EKFKD	RGLYLF	SGPVG	SGKTT	LMH	QLA	Q	LKFK	157
NTDB id 500 SM12261 RS00945 WP 000249545.1	YEYDQKMASLRLSTVGDY	RGH	ESL	VLIRLL	HDEEQDL	HFWFQD	IEELGKQY	RR	RGLYLF	FAGPVG	SGKTT	LMH	EL	A	K	SLFK	157
NTDB id 270 KZH43 RS09265 WP 000249564.1	YAYDHKIASLRLSTVGDY	RGH	ESL	VLIRLL	HDEEQDL	HFWFQD	IEELGKQY	RR	RGLYLF	FAGPVG	SGKTT	LMH	EL	S	K	SLFK	157
NTDB id 229 SPD RS09895 WP 000249564.1	YAYDHKIASLRLSTVGDY	RGH	ESL	VLIRLL	HDEEQDL	HFWFQD	IEELGKQY	RR	RGLYLF	FAGPVG	SGKTT	LMH	EL	S	K	SLFK	157
NTDB id 195 SPR RS09430 WP 000249564.1	YAYDHKIASLRLSTVGDY	RGH	ESL	VLIRLL	HDEEQDL	HFWFQD	IEELGKQY	RR	RGLYLF	FAGPVG	SGKTT	LMH	EL	S	K	SLFK	157
NTDB id 160 SP RS10380 WP 000249564.1	YAYDHKIASLRLSTVGDY	RGH	ESL	VLIRLL	HDEEQDL	HFWFQD	IEELGKQY	RR	RGLYLF	FAGPVG	SGKTT	LMH	EL	S	K	SLFK	157
consensus	YELGSSAKRLRLSTVGD	FE	GNESL	VLIRLL	LDKQ	KELEFWFD	DK..	LQDFRCK	RGLYLF	FAGPVG	SGKTS	LMF	DLA	HR	H	FS	156

NTDB id 586 KW2 RS10855 WP 011836048.1	NAQVITIEEPVELIDSDFITQLQVNDVIGNSYDELIKLSLRHRPDLLIVGEIRDQQTARAVLIRASLTGYTVFSTIHAASVK	236
NTDB id 584 DLJ51 RS00890 WP 019777327.1	DSQIITIEDPVEIKQDNMLQLQLNPSIGMTYDHLIKLSLRHRPDVLIIIGEIRDRETAQAVIRASLTGIRVFSTVHAKSIP	240
NTDB id 394 FSA28 RS09405 WP 002291652.1	TKQVITIEDPVEIKQDNMLQLQLNESIDMTYDNLIKLSLRHRPDILIIIGEIRDKETARAVIRASLTGAMVFSTIHAKSIP	238
NTDB id 247394 C0204 RS01180 WP 002264247.1	TKQVITIEDPVEIKQDNMLQLQLNESIDMTYDNLIKLSLRHRPDILIIIGEIRDKETARAVIRASLTGAMVFSTIHAKSIP	238
NTDB id 385 SMU RS09035 WP 00263435.1	TKQVITIEDPVEIKQDNMLQLQLNESIDMTYDNLIKLSLRHRPDILIIIGEIRDKETARAVIRASLTGAMVFSTIHAKSIP	238
NTDB id 429 SGO RS09420 WP 012130942.1	GQQVMSIEDPVEIKQEDMLQLQLNETIGLTYESLIKLSLRHRPDLLIIIGEIRDSETARAVVRASLTGATVFSTIHAKSIP	237
NTDB id 500 SM12261 RS00945 WP 000249545.1	GQQVMSIEDPVEIKQDNMLQLQLNEAIGLTYENLIKLSLRHRPDLLIIIGEIRDSETARAVVRASLTGATVFSTIHAKSIR	237
NTDB id 270 KZH43 RS09265 WP 000249564.1	GQQVMSIEDPVEIKQDDMLQLQLNEAIGLTYENLIKLSLRHRPDLLIIIGEIRDSETARAVVRASLTGATVFSTIHAKSIR	237
NTDB id 229 SPD RS09895 WP 000249564.1	GQQVMSIEDPVEIKQDDMLQLQLNEAIGLTYENLIKLSLRHRPDLLIIIGEIRDSETARAVVRASLTGATVFSTIHAKSIR	237
NTDB id 195 SPR RS09430 WP 000249564.1	GQQVMSIEDPVEIKQDDMLQLQLNEAIGLTYENLIKLSLRHRPDLLIIIGEIRDSETARAVVRASLTGATVFSTIHAKSIR	237
NTDB id 160 SP RS10380 WP 000249564.1	GQQVMSIEDPVEIKQDDMLQLQLNEAIGLTYENLIKLSLRHRPDLLIIIGEIRDSETARAVVRASLTGATVFSTIHAKSIR	237
consensus	* * * * *	

NTDB id 586 KW2 RS10855 WP 011836048.1	GVVQRLLLELGLSDWELKNGLEAVVYQRLIAGKGVLDIAKSKFDTWSPKKWNEKIENLYANGHLTAIEAEREKISINQASK	316
NTDB id 584 DLJ51 RS00890 WP 019777327.1	GVYARILELGVSQDELNCLAGIAYQRLIGGGGLIDFAQDHFQNHQAECKWNEKIDQLLAAGHLTEEEAAAEEKIKD.....	315
NTDB id 394 FSA28 RS09405 WP 002291652.1	GVYARMLELGTSSSEELQNALRCGIVYQRLIGGGGIIDFAKGDYQNHSAKWKNKQIYDLFTAGYITEGEAAQEIEED.....	313
NTDB id 247394 C0204 RS01180 WP 002264247.1	GVYARMLELGTSSSEELQNALRGIVYQRLIGGGGIIDFAKGDYQNHSAKWKNKQIYDLFTAGYITEGEAAQEIEED.....	313
NTDB id 385 SMU RS09035 WP 002263435.1	GVYARMLELGTSSSEELQNALRGIVYQRLIGGGGIIDFAKGDYQNHSAKWKNKQIYDLFTAGYITEGEAAQEIEED.....	313
NTDB id 429 SGO RS09420 WP 012130942.1	GVYERLLELGVSEEEELKIVLQGICYQRLIGGGGVIDFASDNYQEHPTVWNQQIDQLLAAGHIPHEQAEEKIRNQAKT	317
NTDB id 500 SM12261 RS00945 WP 000249545.1	GVYERLLELGVSEEEELAVVLQGVVCYQRLIGGGGVIDFANKDYQEHQSTSWNAQIDQLLKDGHITSLQAETEKISYS....	313
NTDB id 270 KZH43 RS09265 WP 000249564.1	GVYERLLELGVSEEEELAVVLQGVVCYQRLIGGGGVIDFASRDYQEHQAACKWNEQIDQLLKDGHITSLQAETEKISYS....	313
NTDB id 229 SPD RS09895 WP 000249564.1	GVYERLLELGVSEEEELAVVLQGVVCYQRLIGGGGVIDFASRDYQEHQAACKWNEQIDQLLKDGHITSLQAETEKISYS....	313
NTDB id 195 SPR RS09430 WP 000249564.1	GVYERLLELGVSEEEELAVVLQGVVCYQRLIGGGGVIDFASRDYQEHQAACKWNEQIDQLLKDGHITSLQAETEKISYS....	313
NTDB id 160 SP RS10380 WP 000249564.1	GVYERLLELGVSEEEELAVVLQGVVCYQRLIGGGGVIDFASRDYQEHQAACKWNEQIDQLLKDGHITSLQAETEKISYS....	313
consensus	!!**!*!!!!*!***!! **!******!!!!*!*!***!! *****!*!!!!**!* *!*** **!* *!***	

NTDB id	586	KW2	RS10855	WP	011836048.1	IDTTDGESEFE	326
NTDB id	584	DLJ51	RS00890	WP	019777327.1		315
NTDB id	394	FSA28	RS09405	WP	002291652.1		313
NTDB id	247394	C0204	RS01180	WP	002264247.1		313
NTDB id	385	SMU	RS09035	WP	002263435.1		313
NTDB id	429	SGO	RS09420	WP	012130942.1	SY.....	319
NTDB id	500	SM12261	RS00945	WP	000249545.1		313
NTDB id	270	KZH43	RS09265	WP	000249564.1		313
NTDB id	229	SPD	RS09895	WP	000249564.1		313
NTDB id	195	SPR	RS09430	WP	000249564.1		313
NTDB id	160	SP	RS10380	WP	000249564.1		313
consensus							

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