

NTDB id 599 KW2 RS05940 WP 021037268.1	.MITNFDLFRWKKAGMTNLGVNKLKLFKRYDRKISLRQMGQVAVQVKSIPNFIEQYKNQDVVKLRADYKKFSSSFSILDDLYPERL	84
NTDB id 525 SMSK321 RS06295 WP 000705298.1	MKITNYEIIYKLKKSGLTNQQILKVLEYGENVDQELLGLDIADISGCRNPAVFMERYFQIDDAHLEKEFKKIPSSFSILDDCYPWDL	85
NTDB id 497 SM12261 RS05565 WP 000705318.1	MKITNYEIIYKLKKSGLTNQQVLAIVLEYGENVDQELLGLDIADISGCRNPAVFMERYFQIDDAHLEKEFKQKFPSSFSILDDCYPWDL	85
NTDB id 267 KZH43 RS05590 WP 000705306.1	MKITNYEIIYKLKKSGLTNQQILKVLEYGENVDQELLGLDIADISGCRNPAVFMERYFQIDDAHLSKEFKQKFPSSFSILDDCYPWDL	85
NTDB id 226 SPD RS05990 WP 000705306.1	MKITNYEIIYKLKKSGLTNQQILKVLEYGENVDQELLGLDIADISGCRNPAVFMERYFQIDDAHLSKEFKQKFPSSFSILDDCYPWDL	85
NTDB id 192 SPR RS05715 WP 000705306.1	MKITNYEIIYKLKKSGLTNQQILKVLEYGENVDQELLGLDIADISGCRNPAVFMERYFQIDDAHLSKEFKQKFPSSFSILDDCYPWDL	85
NTDB id 157 SP RS06205 WP 000705306.1	MKITNYEIIYKLKKSGLTNQQILKVLEYGENVDQELLGLDIADISGCRNPAVFMERYFQIDDAHLSKEFKQKFPSSFSILDDCYPWDL	85
NTDB id 75467 DK92 RS04210 WP 047235811.1	..MNHFEIYKLKKAAGLTNKNILNILDYQKQKEKSLSLRDMAVVSGCKHPSPHFIEAYKQLDIQKLKMEFKQFPSTISLDKHYPMAL	83
NTDB id 407 SMU RS04605 WP 002262865.1	..MDNFQLFKLKAAGLTNKNILNIIIDYERTQKSLSLRDMAVVSKNKKPLIFMEHYKNLDSKALRKEFNRFPSLSILDKYPLBL	83
consensus	***G***L***K***A***G***T***N***L***V***N***K***L***K***L***F***K***R***Y***D***R***K***I***S***L***R***Q***M***G***Q***V***A***V***Q***V***K***S***I***P***N***F***I***E***Q***Y***K***N***Q***D***V***K***L***R***A***D***Y***K***K***F***S***S***F***S***I***L***D***D***L***Y***P***E***R***L***	

NTDB id 599 KW2 RS05940 WP 021037268.1	REIYNPPVLIFYQGNIDLLKNPKLAFVGSRLAGQS G IKS V QKIVTELNQSFTIVSGLAKGIDTASHLSA L TKTKTP T IAVIGTGLD	169
NTDB id 525 SMSK321 RS06295 WP 000705298.1	SEIYDAPVLLFYKGNDLLKF P KVAVVGSRSSCSKQGAKSVEKI I IQGLENELVIVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLD	170
NTDB id 497 SM12261 RS05565 WP 000705318.1	SEIYDAPVLLFYKGNDLLKF P KVAVVGSRACSKQGAKSVEKVIQGLENELVIVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLD	170
NTDB id 267 KZH43 RS05590 WP 000705306.1	SEIYDAPVLLFYKGNDLLKF P KVAVVGSRACSKQGAKSVEKVIQGLENELVIVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLD	170
NTDB id 226 SPD RS05990 WP 000705306.1	SEIYDAPVLLFYKGNDLLKF P KVAVVGSRACSKQGAKSVEKVIQGLENELVIVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLD	170
NTDB id 192 SPR RS05715 WP 000705306.1	SEIYDAPVLLFYKGNDLLKF P KVAVVGSRACSKQGAKSVEKVIQGLENELVIVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLD	170
NTDB id 157 SP RS06205 WP 000705306.1	SEIYDAPVLLFYKGNDLLKF P KVAVVGSRACSKQGAKSVEKVIQGLENELVIVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLD	170
NTDB id 75467 DK92 RS04210 WP 047235811.1	KEIYNPPVLLFFQGNLDLLEKPKLAIVGSRRSSDTGVKSVRKILKELGNRFVITISGLARGIDTSAHLACLKNGCQTIAF I GTGTD	168
NTDB id 407 SMU RS04605 WP 002262865.1	KNIYNPPVLLFYQGDLLARPKLAVVGSRNASQMGA A VKKIIQDLISKQFVITISGLARGIDTAHLSLKSGCA T IAVIGTGLD	168
consensus	* * * * *	

NTDB id	599	KW2 RS05940 WP 021037268.1	I FYPLENRKIKQEYLAKYQLVLSEYSLGEKPLKYHFPERNRIIAGLSRGVIVVEAKLRSGSLITCERALEEGRDIFAIPGNIADGT	254
NTDB id	525	SMSK321 RS06295 WP 000705298.1	VFYPKANKRLQDYISNDHLVLSEYGPGEQPLKFHFPPARNRIIAGLCRGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGL	255
NTDB id	497	SM12261 RS05565 WP 000705318.1	VFYPKANKRLQDYIGNDHLVLSEYGPGEQPLKFHFPPARNRIIAGLCRGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGL	255
NTDB id	267	KZH43 RS05590 WP 000705306.1	VFYPKANKRLQDYIGNDHLVLSEYGPGEQPLKFHFPPARNRIIAGLCRGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGL	255
NTDB id	226	SPD RS05990 WP 000705306.1	VFYPKANKRLQDYIGNDHLVLSEYGPGEQPLKFHFPPARNRIIAGLCRGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGL	255
NTDB id	192	SPR RS05715 WP 000705306.1	VFYPKANKRLQDYIGNDHLVLSEYGPGEQPLKFHFPPARNRIIAGLCRGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGL	255
NTDB id	157	SP RS06205 WP 000705306.1	VFYPKANKRLQDYIGNDHLVLSEYGPGEQPLKFHFPPARNRIIAGLCRGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGL	255
NTDB id	75467	DK92 RS04210 WP 047235811.1	RFYPKENRELQTFLGKNHNLVITEYGPGEALSYHFPERNRIIAGLSRGILVVEAKNRSRSGSLITCIGIEEGRDIFAVPCNILDGK	253
NTDB id	407	SMU RS04605 WP 002262865.1	VHYPKENRRLLQDYIAKNHLLLSLEYEAQSPLKYHFPERNRIIAGLSQGVMVVAEKIRSGSLITCERAMEEGRDVFAIPGNILDGQ	253
consensus			* * * * *	

NTDB id	599	KW2	RS05940	WP	021037268.1	SDGCNHLTIQGA L VYQA D I E EYLYN	282
NTDB id	525	SMSK321	RS06295	WP	000705298.1	SDGCHHLIQEGAKLVTSGGDVLAEEF.	282
NTDB id	497	SM12261	RS05565	WP	000705318.1	SDGCHHLIQEGAKLVTSGGDVLAEEF.	282
NTDB id	267	KZH43	RS05590	WP	000705306.1	SDGCHHLIQEGAKLVTSGGDVLAEEF.	282
NTDB id	226	SPD	RS05990	WP	000705306.1	SDGCHHLIQEGAKLVTSGGDVLAEEF.	282
NTDB id	192	SPR	RS05715	WP	000705306.1	SDGCHHLIQEGAKLVTSGGDVLAEEF.	282
NTDB id	157	SP	RS06205	WP	000705306.1	SDGCHHLIQEGAKLVTSGGDVLAEEF.	282
NTDB id	75467	DK92	RS04210	WP	047235811.1	SEGCQLLIK E GATC V TSGMDILSEY..	278
NTDB id	407	SMU	RS04605	WP	002262865.1	SEGCHHLIQEGA C ITSGFDILNEFN.	280
consensus						! ! * ! * ! * ! * ! * ! * ! * ! * ! *	

 non conserved
 similar
 $\geq 50\%$ conserved