

## Skinny 63560-63949 HHpred alignments



## Variation in LAGLIDADAG motif

Table 1.

## Double-motif LAGLIDADG sequence analysis<sup>a</sup>

1	2	3	<u>4</u>	5	6	7	<u>8</u>	9	10
X	L	A	G	L	I	D	A	D	G
			G	x	x	x	G		
X	X	X	A	F	X	X	A	D	A
			G	I			D	E	G
			S	L			G		
			T	W			S		
				Y			T		

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<sup>a</sup>Alignment of the LAGLIDADG and GxxG motifs with the query pattern (bottom) used to produce a dataset of 131 unique putative double-motif LAGLIDADG proteins representing a total of 262 helices.

Here are a couple of references for LAGLIDADG endonuclease:  
Lucas et al. 2001 doi: 10.1093/nar/29.4.960  
Silva and Belfort 2004 doi: 10.1093/nar/gkh618

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Details for Pham 9924					
Number		9924			
Color					
Number of Members		4			
Members of Pham 9924					
Gene	Phage	Accession	Notes	Cluster	Length
Forrest_188	Forrest	MZ820093	LAGLIDADG endonuclease	BK	327 bp
Jada_185	Jada	MZ820094	LAGLIDADG endonuclease	BK	327 bp
Pumpernickel_170	Pumpernickel	OK040790	homing endonuclease	Singleton	426 bp
Skinny_Draft_118	Skinny			M	390 bp