

	entries	species	Smc	MukB	prokaryote kleisins (ScpA)	kleisin α (Scc1/Rec8)	kleisin β	kleisin γ (Barren)	example of extensively sequenced genome (model organism)
Archaea (not Crenarchaeota, Methanothermobacteria)	12	12	✓	-	✓	-	-	-	
Bacteria (but not Chlamydia)									
Aquificae, CFB/Chlorobi group, Chloroflexi, Cyanobacteria, Firmicutes, Fusobacteria, Spirochaetales, Thermotogae, Deinococcales	49	49	✓	-	✓	-	-	-	
Proteobacteria (but not epsilon subdivision)									
alpha (not Rickettsia), beta, delta subdivision	16	16	✓	-	✓	-	-	-	
Alteromonadaceae, Pseudomonaceae, Xanthomonadales (gamma subdivision)	10	10	✓	-	✓	-	-	-	
Enterobacteriaceae, Pasteurellaceae, Vibrionaceae (gamma subd.),	10	10	-	✓	-	-	-	-	
Eukaryota									
complete genomes									
Alveolata	5	3	✓	-	-	?	✓	✓	<i>Plasmodium falciparum</i>
Fungi	Ascomycota	20	11	✓	-	✓	-	✓	<i>Saccharomyces cerevisiae</i>
Metazoa	Nematoda	7	2	✓	-	✓	✓	-	<i>Caenorhabditis elegans</i>
	Protostomia	7	2	✓	-	✓	✓	✓	<i>Drosophila melanogaster</i>
	Deuterostomia	14	3	✓	-	✓	✓	✓	<i>Homo sapiens</i>
Microsporidia	3	1	✓	-	-	✓	-	✓	<i>Encephalitozoon cuniculi</i>
Viridiplantae	11	2	✓	-	-	✓	✓	✓	<i>Arabidopsis thaliana</i>
incomplete genomes									
Entamoebidae	1	1	?	-	-	✓	-	-	<i>Entamoeba histolytica</i>
Euglenozoa	2	2	✓	-	-	✓	-	-	<i>Trypanosoma brucei</i>
Mycetozoa	1	1	?	-	-	✓	-	-	<i>Dictyostelium discoideum</i>