

SACOL	Name	Function	wild-type (soluble)	wild-type (non-soluble)	clpP mutant (soluble)	clpP mutant (non-soluble)
SACOL0002	DnaN	DNA polymerase III, beta subunit				
SACOL0050	Pis	methicillin-resistant surface protein				
SACOL0271	-	conserved hypothetical protein				
SACOL0321	-	prophage L54a, repressor protein, putative				
SACOL0437	RpsF	ribosomal protein S6				
SACOL0439	RpsR	ribosomal protein S18				
SACOL0458	Xpt	xanthine phosphoribosyltransferase				
SACOL0461	GuaA	GMP synthase				
SACOL0514	GltB	glutamate synthase, large subunit				
SACOL0584	RplA	ribosomal protein L1				
SACOL0585	RplJ	ribosomal protein L10				
SACOL0586	RplL	ribosomal protein L7/L12				
SACOL0591	RpsL	ribosomal protein S12				
SACOL0592	RpsG	ribosomal protein S7				
SACOL0672	SarA	staphylococcal accessory regulator A				
SACOL0746	MgrA	HTH-type transcriptional regulator mgrA				
SACOL0792	NrdE	ribonucleoside-diphosphate reductase, alpha subunit				
SACOL0793	NrdF	ribonucleoside-diphosphate reductase 2, beta subunit				
SACOL0839	Pgk	Phosphoglycerate kinase				
SACOL0840	TpiA	triosephosphate isomerase				
SACOL0841	Pgm	phosphoglycerate mutase, 2,3-bisphosphoglycerate-independent				
SACOL0842	Eno	Enolase				
SACOL0915	SufD	FeS assembly protein SufD				
SACOL0918	SufB	FeS assembly protein SufB				
SACOL0937	DltC	D-alanyl carrier protein				
SACOL1077	PurQ	phosphoribosylformylglycinamide synthase I				
SACOL1090	-	conserved hypothetical protein				
SACOL1102	PdhA	pyruvate dehydrogenase complex E1 component, alpha subunit				
SACOL1103	PdhB	pyruvate dehydrogenase complex E1 component, beta subunit				
SACOL1104	PdhC	pyruvate dehydrogenase complex E2 component, dihydrolipoamide acetyltransferase				
SACOL1105	PdhD	pyruvate dehydrogenase complex E3 component, lipoamide dehydrogenase				
SACOL1293	Pnp	polyribonucleotide nucleotidyltransferase				
SACOL1536	RluB	Pseudouridine synthase				
SACOL1558	-	conserved hypothetical protein				
SACOL1618	RpoD	RNA polymerase sigma factor rpoD				
SACOL1676	TrmU	tRNA (5-methylaminomethyl-2-thiouridylyl)-methyltransferase				
SACOL1769	RpsD	ribosomal protein S4				
SACOL1778	TyrS	Tyrosyl-tRNA synthetase				
SACOL1960	GatB	Aspartyl/glutamyl-tRNA(Asn/Gln) amidotransferase subunit B				
SACOL2042	IlvD	dihydroxy-acid dehydratase				
SACOL2043	IlvB	acetolactate synthase, large subunit, biosynthetic type				
SACOL2045	IlvC	ketol-acid reductoisomerase				
SACOL2046	LeuA	2-isopropylmalate synthase				
SACOL2047	LeuB	3-isopropylmalate dehydrogenase				
SACOL2048	LeuC	3-isopropylmalate dehydratase, large subunit				
SACOL2049	LeuD	3-isopropylmalate dehydratase, small subunit				
SACOL2050	IlvA2	threonine dehydratase				
SACOL2060	Air	Alanine racemase 1				
SACOL2099	AtpF	ATP synthase F0, B subunit				
SACOL2212	RplQ	50S ribosomal protein L17				
SACOL2214	RpsK	30S ribosomal protein S11				
SACOL2240	RpsJ	30S ribosomal protein S10				
SACOL2285	UreG	Urease accessory protein UreG				
SACOL2287	SarR	HTH-type transcriptional regulator sarR				
SACOL2384	SarZ	HTH-type transcriptional regulator sarZ				



Figure S3

Figure S3:

A detailed heatmap is presented for selected degradation candidates including their degradation kinetics in the soluble and non-soluble fraction of wild type and *clpP* mutant cells ($^{13}\text{C}/^{15}\text{N}$ – values corrected against isotopic protein dilution due to growth and normalized against the initial $^{13}\text{C}/^{15}\text{N}$ -value for each fraction).