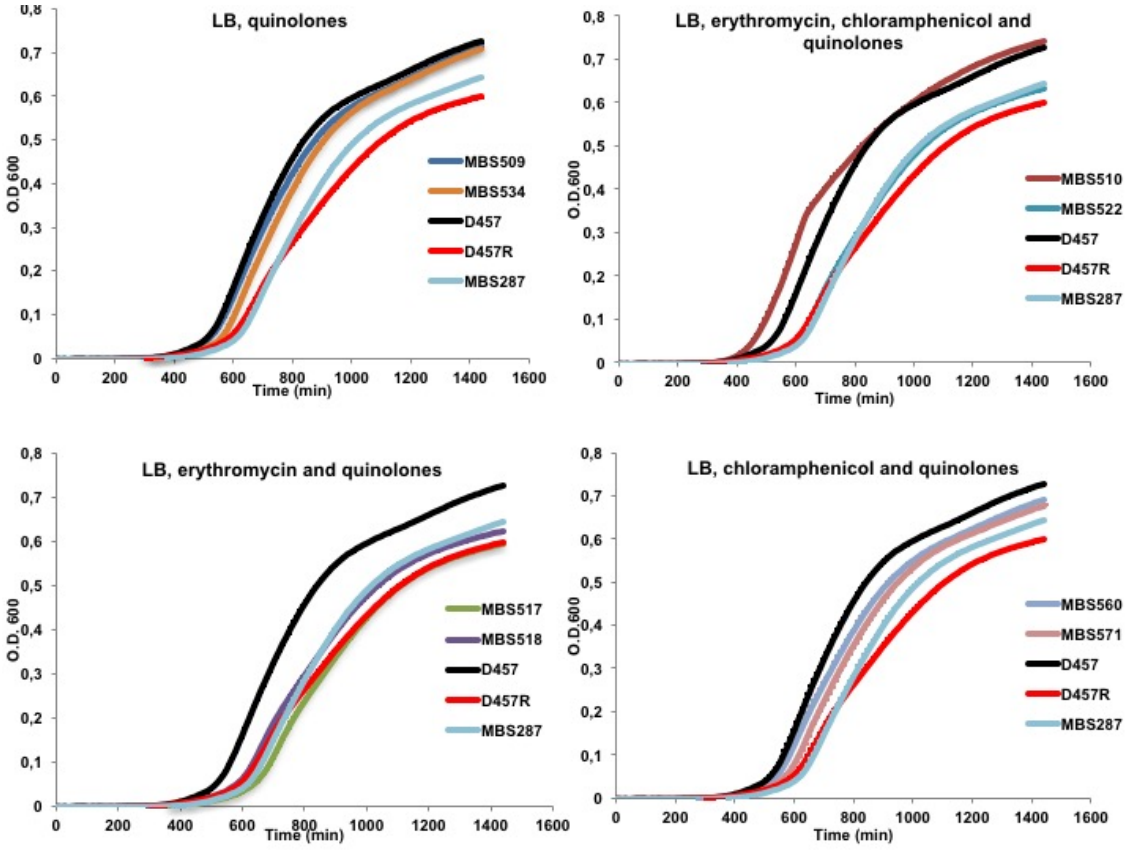
A


LB, quinolones
O.D.600
Time (min)
MBS509
MBS534
D457
D457R
MBS287
LB, erythromycin, chloramphenicol and quinolones
MBS510
MBS522
D457
D457R
MBS287
LB, erythromycin and quinolones
MBS517
MBS518
D457
D457R
MBS287
LB, chloramphenicol and quinolones
MBS560
MBS571
D457
D457R
MBS287

B

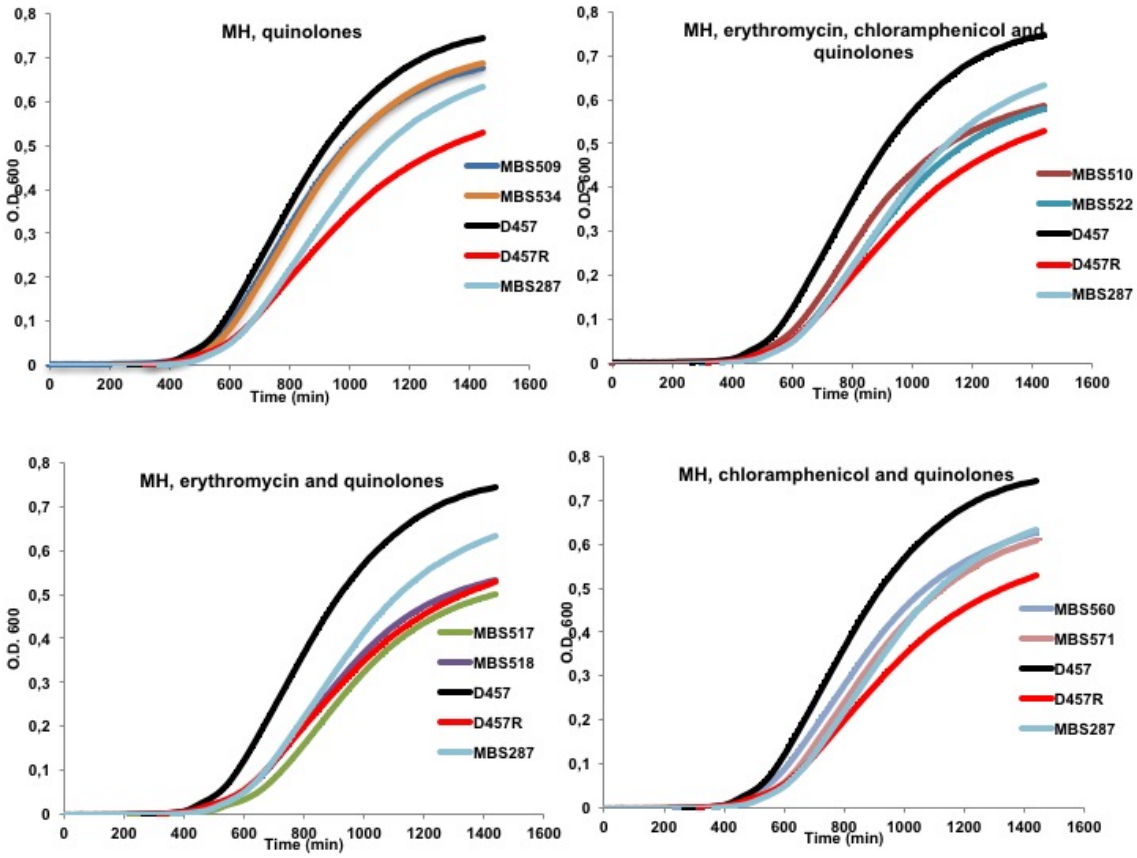


Figure S1: Growth of selected mutants in comparison with the wild-type D457 strain. The Figure shows the effect of the selected mutations on *S. maltophilia* growth. The mutants were grouped as a function or their phenotypes of resistance to either quinolones, erythromycin, chloramphenicol and quinolones, erythromycin and quinolones or chloramphenicol and quinoles. The wild-type D457 strain and its isogenic SmeDEF overproducer D457R were used as controls. Growth was measured using an Infinite M200 Tecan plate reader. As shown, all mutants presented an impaired growth in both LB (A) and MH (B) culture media.

Table S1. Minimal inhibitory concentrations of different antibiotics for each *S. maltophilia* mutant isolated in the presence of different amount of cotrimoxazole

			MIC (µg/ml)[c]					
mg/L [a]	**Strain**	**Phenotype[b]**	**ERY**	**CHL**	**NOR**	**OFX**	**NAL**	**CIP**
	D457		256	16	8	2	16	2
	D457R		512	128	64	16	128	16
2	**MBS509**	Q	256	16	64	8	128	8
2	**MBS510**	Q/CHL/ERY	512	32	128	16	128	16
2	**MBS511**	Q/CHL	256	64	128	16	>128	16
2	**MBS512**	Q/CHL	256	32	128	16	128	16
2	**MBS513**	Q/CHL	256	32	128	16	128	16
2	**MBS514**	Q/CHL	256	64	128	16	128	16
2	**MBS515**	Q/CHL	256	64	128	16	>128	16
2	**MBS516**	Q/CHL	256	64	128	16	>128	16
2	**MBS517**	Q/ERY	512	16	32	8	32	16
2	**MBS518**	Q/ERY	512	16	64	16	32	16
2	**MBS519**	Q/CHL	256	32	64	16	128	16
2	**MBS520**	Q/CHL/ERY	512	32	64	16	32	16
2	**MBS521**	Q/CHL	256	32	64	16	128	16
2	**MBS522**	Q/CHL/ERY	512	32	64	8	64	8
2	**MBS523**	Q	256	16	64	8	64	8
2	**MBS524**	Q/CHL	256	32	64	8	128	16
2	**MBS525**	Q/CHL	256	64	64	8	128	16
4	**MBS526**	Q/CHL	256	64	128	16	>128	32
4	**MBS527**	Q/CHL	256	64	128	32	>128	32
4	**MBS528**	Q/CHL	256	128	128	32	>128	32
4	**MBS529**	Q/CHL	256	64	128	16	>128	32
4	**MBS530**	Q/CHL	256	128	128	16	>128	32
4	**MBS531**	Q/CHL	256	32	64	16	128	16
4	**MBS532**	Q/CHL	256	64	128	32	>128	32
4	**MBS533**	Q/CHL	256	64	128	32	>128	32
4	**MBS534**	Q	256	16	128	16	>128	32
4	**MBS535**	Q/CHL	256	128	128	32	>128	32
4	**MBS536**	Q/CHL	256	32	128	16	128	16
4	**MBS537**	Q/CHL	256	64	128	16	>128	32
4	**MBS538**	Q/CHL	256	64	128	16	>128	32
4	**MBS539**	Q/CHL	256	64	128	16	>128	16
4	**MBS540**	Q/CHL	256	32	128	16	>128	16
4	**MBS541**	Q/CHL	256	64	128	16	128	16
4	**MBS542**	Q/CHL	256	64	128	16	>128	16
4	**MBS543**	Q/CHL	256	32	64	8	128	16
4	**MBS544**	Q/CHL	256	64	128	16	>128	16
4	**MBS545**	Q/CHL	256	64	128	32	>128	32

4	**MBS546**	Q/CHL	256	64	128	16	>128	32
4	**MBS547**	Q/CHL	256	64	128	16	>128	32
4	**MBS548**	Q/CHL	256	64	128	32	>128	32
4	**MBS549**	Q/CHL	256	64	128	32	>128	32
4	**MBS550**	Q/CHL	256	64	128	16	>128	32
4	**MBS551**	Q/CHL	256	64	128	16	>128	32
4	**MBS552**	Q/CHL	256	64	64	8	128	8
4	**MBS553**	Q/CHL	256	32	128	16	>128	16
4	**MBS554**	Q/CHL	256	64	128	16	>128	16
4	**MBS555**	Q/CHL	256	32	128	16	>128	32
8	**MBS556**	Q/CHL	256	64	128	32	>128	32
8	**MBS557**	Q/CHL	256	128	>128	32	>128	32
8	**MBS558**	Q/CHL	256	64	>128	32	>128	32
8	**MBS559**	Q/CHL	256	64	128	16	>128	32
8	**MBS560**	Q/CHL	256	64	128	32	>128	32
8	**MBS561**	Q/CHL	256	128	128	16	>128	32
8	**MBS562**	Q/CHL	256	64	128	16	>128	32
8	**MBS563**	Q/CHL	256	128	>128	32	>128	32
8	**MBS564**	Q/CHL	256	128	128	16	>128	32
8	**MBS565**	Q/CHL	256	64	128	16	>128	32
8	**MBS566**	Q/CHL	256	64	128	16	>128	32
8	**MBS567**	Q/CHL	256	128	128	32	>128	32
8	**MBS568**	Q/CHL	256	32	128	16	>128	32
16	**MBS569**	Q/CHL	256	128	128	32	>128	32
16	**MBS570**	Q/CHL	256	64	128	32	>128	32
16	**MBS571**	Q/CHL	256	128	128	32	>128	32
16	**MBS572**	Q	256	16	64	16	128	8
16	**MBS573**	Q/CHL	256	64	128	16	>128	32
16	**MBS574**	Q/CHL	256	64	128	16	>128	32
16	**MBS575**	Q/CHL	256	128	>128	16	>128	32
16	**MBS576**	Q/CHL	256	64	128	16	>128	32
16	**MBS577**	Q/CHL	256	64	128	16	>128	32
16	**MBS578**	Q/CHL	256	64	128	32	>128	32
16	**MBS579**	Q/CHL	256	128	>128	32	>128	32
16	**MBS580**	Q/CHL	256	64	128	16	>128	32
16	**MBS581**	Q/CHL	256	128	>128	32	>128	32
16	**MBS582**	Q/CHL	256	64	128	32	>128	32
32	**MBS583**	Q/CHL	256	128	128	16	>128	32
32	**MBS584**	Q/CHL	256	128	128	32	>128	32
16	**MBS585**	Q/CHL	256	64	128	16	>128	32
16	**MBS586**	Q/CHL	256	64	128	16	>128	32
16	**MBS587**	Q/CHL	256	32	128	16	128	16
16	**MBS588**	Q/CHL	256	64	128	16	>128	16
16	**MBS590**	Q/CHL	256	64	128	16	>128	16

16	**MBS591**	Q/CHL	256	32	128	16	>128	16
16	**MBS592**	Q/CHL	256	64	128	16	>128	16
16	**MBS593**	Q/CHL	256	64	128	16	>128	32
16	**MBS594**	Q/CHL	256	64	128	16	>128	32
16	**MBS595**	Q/CHL	256	64	128	16	>128	32
16	**MBS596**	Q/CHL	256	64	128	32	>128	32
16	**MBS597**	Q/CHL	256	64	>128	32	>128	32
16	**MBS598**	Q/CHL	256	64	128	32	>128	32
16	**MBS599**	Q/CHL	256	64	128	16	>128	16
16	**MBS600**	Q/CHL	256	64	128	16	>128	16
16	**MBS601**	Q/CHL	256	64	128	16	>128	16
32	**MBS602**	Q/CHL	256	64	128	16	>128	16

[a] Cotrimoxazole concentration used to isolate the mutant (data refer to trimethoprim concentration, being the trimethoprim/sulfamethoxazole rate1:5)

[b] antibiotic phenotype, Q, quinolones resistance; Q/CHL/ERY, quinolones, chloramphenicol and erythromycin resistant; Q/CHL, quinolones and chloramphenicol resistant; Q/ERY, quinolones and erythromycin resistant; [c] ERY, erythromycin; CHL, chloramphenicol; NOR, norfloxacin; OFX, ofloxacin; NAL, nalidixic acid; CIP, ciprofloxacin.