

Mutant strain	Phenotypic characteristics				Disrupted gene	Annotated gene function (General function*)
	Swarming	Biomass	Biofilm	Pathogen suppression		
M38	ns	0.92	0.90	1.02	<i>nhaC</i>	sodium-proton antiporter (C)
M54	ns	0.89	1.11	ns	<i>hutU</i>	histidine utilization (E)
M59	0.61	1.13	0.85	0.73	<i>comQ</i>	competence protein (R)
M78	0.48	0.63	ns	1.03	<i>dfnG</i>	difficidin polyketide synthase (Q)
M108	1.21	0.95	0.89	ns	<i>parE</i>	DNA topoisomerase IV subunit B (L)
M109	0.86	1.21	0.81	ns	<i>hutI</i>	imidazolonepropionase (Q)
M124	1.30	0.95	0.83	0.97	<i>DeoR</i>	DNA-binding transcriptional repressor (K)
M143	0.67	0.85	1.26	ns	<i>YsnB</i>	metallophosphoesterase (R)

