

S1. Nucleotide sequence mutation frequency		
Gene	Mutants	Mutation Frequency (%)
lasR	553	64.91
lasI	290	34.04
rhIR	849	99.65
rhII	847	99.41
pqsA	843	98.94
pqsB	685	80.40
pqsC	842	98.83
pqsD	843	98.94
pqsE	479	56.22
pqsH	845	99.18
pqsL	847	99.41
pqsR	789	92.61
qscR	772	90.61
rsaL	218	25.59
vqsR	559	65.61