

Supporting information in this study

Table S1

PCR identification of lipopeptides antibiotic biosynthesis genes from JK6

Antibiotic	primer	Sequence(5'-3')	Target gene	Size (bp)	GenBank accession number
Yndj	147F	CAGAGCGACAGCAATCACAT	<i>yndJ</i> [Joshi and Gardener (2006)]	214	KR149336
	147R	TGAATTTTCGGTCCGCTTATC			
fengycin	FNDF1	CCTGCAGAAGGAGAAGTGAA G	<i>fenD</i> [Joshi and Gardener (2006)]	288	KR149329
	FNDR1	TGCTCATCGTCTTCCGTTTC			
Iturin	ITUCF1	TTCACTTTTGATCTGGCGAT	<i>ituC</i> [Joshi and Gardener (2006)]	541	KR149332
	ITUCR3	CGTCCGGTACATTTTCAC			
	bamB1F	AAGAAGGCGTTTTTCAAGCA			
	bamB1R	CGACATACAGTTCTCCCGGT R	<i>ituB</i> [Cao (2012)]	511	KR149331
	ituA1F	TGCCAGACAGTATGAGGCAG	<i>ituA</i> [Cao (2012)]	840	KR149330
	ituA1R	CATGCCGTATCCACTGTGAC			
	ituD2F	GATGCGATCTCCTTGGATGT	<i>ituD</i> [Joshi and Gardener (2006)]	631	KR149333
	ituD2R	ATCGTCATGTGCTGCTTGAG			
Surfactin	110F	GTTCTCGCAGTCCAGCAGAA G	<i>srfAB</i> [Joshi and Gardener (2006)]	278	KR149335
	110R	GCCGAGCGTATCCGTACCGA G			

Table S2

The Genes demonstrating highest similarity to the sequenced products acquired from PCR amplicons from biosynthetic genes.

Primer name	Isolate	Match with proper genes by BlastN	GenBank accession numbers of matching genes	Evalue of BlastN	Identify of corresponding gene by BlastN (%)
110F/110R	<i>B.amyloliquefaciens</i> FZB42	<i>srfAB</i>	CP000560.1	7e-139	96
147F/147R	<i>B.amyloliquefaciens</i> FZB42	<i>Yndj</i>	CP000560.1	5e-89	95
FNDF1/FNDR1	<i>B.subtilis</i> GB03	<i>fenD</i>	DQ011335.1	3e-132	98
ITUCF1/ITUCR3	<i>B.amyloliquefaciens</i> B946	<i>ituC</i>	HE617159.1	0.0	99
ItuA1F/ItuA1R	<i>B.amyloliquefaciens</i> FZB42	<i>BmyA</i>	CP000560.1	0.0	97
ItuD2F/ItuD2R	<i>B.amyloliquefaciens</i> FZB42	<i>ituD</i>	CP000560.1	0.0	97

bamB1F/bamB1 R	<i>B.amyloliquefaci</i> <i>ens</i> B946	<i>bamD</i>	HE617159.1	0.0	99
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