

Table S1. Oligonucleotide primers.

Name	Sequence (5' to 3')	Target	Amplified product	GenBank ID: nucleotides
IF138	CAGATCAAGAAATCAAACCTCCAA	Chromosomal <i>gyrB</i> gene, 5' end	Chromosomal reference gene	CP079923.1: 713301-713323
IF139	CAGCATCATCTACAGAAACTC	Chromosomal <i>gyrB</i> gene, 3' end		CP079923.1: 713451-713471
IF162	TGATGATTATATAAATTGTGAGTT	End of ϕ 1207.3 genome, 5' end	Φ 1207.3 episomal form	AY657002.1: 52363- 52386
IF264	CTTGCTCTCACTTATTATATT	End of ϕ 1207.3 genome , 3' end		AY657002.1: 78-98
IF285	GGTCTTGTCTATGGCTTC	Macrolide efflux <i>mef(A)</i> gene, 5' end	Phage reference gene	AY657002.1: 3402-3419
IF286	CTAAAAGTGGCGTAACCG	Macrolide efflux <i>mef(A)</i> gene, 3' end		AY657002.1: 3644-3661

Table S2. ϕ 1207.3 phage predicted structural proteins.

ORF (aa)	Predicted protein	Virfam homologous protein (identity) [E value/probability]	Pfam domains (aa) [E value]	Homologous protein ID / Origin (identity (%)) [E value]
<i>orf38</i> (158)	Phage terminase, small subunit		Phage terminase, small subunit (50-146) [7.3e-31]	
<i>orf39</i> (530)	Phage terminase, large subunit	D3 phage TermL (33%) [6e-77]	Phage Terminase (48-512) [8.9e-104]	
<i>orf40</i> (413)	Phage portal protein	ϕ 644-2 phage portal protein (39%) [100%]	Phage portal protein (32-381) [4e-121]	
<i>orf41</i> (228)	Clp protease		Clp protease (13-177) [4.5e-40]	
<i>orf42</i> (395)	Phage capsid protein		Phage capsid family (124-393) [3.7e-78]	
<i>orf43</i> (67)	Phage adapter protein (Type 1)	Bcep176 phage Ad1 (24%) [98.46%]		
<i>orf44</i> (109)	Phage head-closure protein (Type 1)	Φ 105 phage Hc1 (25%) [99.96%]	Phage head-tail joining protein (7-104) [7.4e-15]	
<i>orf45</i> (126)	Phage neck protein (Type 1)	Bv1 phage Ne1 (36%) [100%]		
<i>orf46</i> (105)	Phage tail-completion protein (Type 1)	Bv1 phage Tc1 (41%) [100%]		
<i>orf47</i> (196)	Major Tail Protein	bIL285 phage MTP (50%) [2e-48]		
<i>orf50</i> (1039)	Tail tape measure protein		Phage-related minor tail protein (311-531) [2.1e-14]	AAG32164.1 / <i>Lactococcus</i> phage TP901-1 (152/693 (22%)) [1e-22]

ORF (aa)	Predicted protein	Virfam homologous protein (identity) [E value/probability]	Pfam domains (aa) [E value]	Homologous protein ID / Origin (identity (%)) [E value]
<i>orf52</i> (967)	Host specificity protein		Prophage endopeptidase tail N-terminal domain (24-93) [1.8e-05]	AAK83249 / <i>S. thermophilus</i> phage DT1.2 (113/418 (27%)) [5e-40]
<i>orf53</i> (760)	Phage structural protein		Prophage endopeptidase tail (108-332) [5.4e-10] Siphovirus protein of unknown function (DUF859) (1-512) [1.5e-214] Holin family (638-753) [3.3e-40]	2FKK_A / <i>Escherichia</i> virus T4 (29/68 (43%)) [3e-06]