

Title	Detecting <i>Lactococcus lactis</i> prophages by Mitomycin C-mediated induction coupled to flow cytometry analysis
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1 **Table S1.** General features of the *L. lactis* strains used in this study.

<i>L. lactis</i> strains	<i>L. lactis</i> subsp.	MmC growth profile	Phage particle detection			Host*
			Flow cytometry [#]	Electron microscopy [#]	Plaque assays [#]	
DS72152	<i>cremoris</i>	C	nd	nd	nd	nd
DS72153	<i>cremoris</i>	A	nd	nd	nd	nd
DS65024	<i>cremoris</i>	B	nd	nd	nd	nd
DS72154	<i>cremoris</i>	B	nd	nd	nd	nd
DS72155	<i>cremoris</i>	C	nd	nd	nd	nd
DS72156	<i>cremoris</i>	C	nd	nd	nd	nd
DS68515	<i>cremoris</i>	B	nd	nd	nd	nd
DS68490	<i>cremoris</i>	A	nd	nd	nd	nd
DS65655	<i>cremoris</i>	A	nd	nd	nd	nd
DS68491	<i>cremoris</i>	A	nd	nd	nd	nd
DS68492	<i>cremoris</i>	B	nd	nd	nd	nd
DS72157	<i>cremoris</i>	A	nd	nd	nd	nd
DS68493	<i>cremoris</i>	B	nd	nd	nd	nd
DS68517	<i>cremoris</i>	B	nd	nd	nd	nd
DS68494	<i>cremoris</i>	B	nd	nd	nd	nd
DS68518	<i>lactis</i>	B	+	nd	nd	nd
DS68495	<i>cremoris</i>	D	+	nd	nd	nd
DS68496	<i>lactis</i>	D	nd	nd	nd	nd
DS68567	<i>cremoris</i>	A	+	nd	+	+
DS68568	<i>cremoris</i>	C	nd	nd	nd	nd
DS68569	<i>cremoris</i>	C	-	nd	nd	nd
DS68498	<i>cremoris</i>	B	+	+	nd	nd
DS68499	<i>cremoris</i>	B	nd	nd	nd	nd
DS68500	<i>cremoris</i>	A	nd	nd	nd	nd
DS68501	<i>cremoris</i>	B	+	+	nd	+
DS72163	<i>lactis</i>	C	nd	nd	nd	nd
DS72164	<i>cremoris</i>	B	nd	nd	nd	nd
DS68507	<i>lactis</i>	B	nd	nd	nd	nd
DS68570	<i>cremoris</i>	C	nd	nd	nd	nd
DS68571	<i>lactis</i>	C	nd	nd	nd	nd
DS68572	<i>cremoris</i>	B	nd	nd	nd	nd
DS71860	<i>cremoris</i>	B	nd	nd	nd	nd
DS68574	<i>cremoris</i>	C	nd	nd	nd	nd
DS68578	<i>cremoris</i>	D	nd	nd	nd	nd
DS68579	<i>cremoris</i>	A	nd	nd	nd	nd
DS72166	<i>cremoris</i>	D	nd	nd	nd	nd

2 **Profile A:** UC509.9 profile with a growth cessation at 3 $\mu\text{g.ml}^{-1}$; **Profile B:** TP901-1 profile with an equal
3 growth cessation (1.3 and 3 $\mu\text{g.ml}^{-1}$); **Profile C:** No chemical effect; **Profile D:** Growth cessation at 1.3 $\mu\text{g.ml}^{-1}$;
4 For the inducible lysates: **nd-** Not determined; # +: presence of phage particles; # -: phage particles not detected;
5 * +: lytic host identified; * -: no lytic host.

7 **Table S1. (cont.)**

<i>L. lactis</i> strains	<i>L. lactis</i> subsp.	MmC growth profile	Phage particle detection			
			Flow cytometry [#]	Electron microscopy [#]	Plaque assays [#]	Host*
DS68509	<i>lactis</i>	D	+	+	+	+
DS68581	<i>cremoris</i>	B	nd	nd	nd	nd
DS68583	<i>cremoris</i>	A	nd	nd	nd	nd
DS68584	<i>cremoris</i>	C	nd	nd	nd	nd
DS71869	<i>cremoris</i>	A	nd	nd	nd	nd
DS69075	<i>cremoris</i>	A	nd	nd	nd	+
DS69076	<i>cremoris</i>	A	nd	nd	nd	nd
DS69077	<i>cremoris</i>	C	nd	nd	nd	nd
DS69078	<i>cremoris</i>	B	nd	nd	nd	nd
DS69080	<i>cremoris</i>	C	nd	nd	nd	nd
DS72158	<i>cremoris</i>	C	-	-	nd	nd
DS71861	<i>cremoris</i>	A	nd	nd	nd	nd
DS69081	<i>cremoris</i>	C	nd	nd	nd	nd
DS69082	<i>cremoris</i>	C	nd	nd	nd	nd
DS72167	<i>cremoris</i>	A	nd	nd	nd	nd
DS72183	<i>lactis</i>	D	nd	nd	nd	+
DS72159	<i>lactis</i>	D	nd	nd	nd	+
DS68585	<i>lactis</i>	B	nd	nd	nd	+
DS72160	<i>cremoris</i>	A	+	nd	nd	+
DS68586	<i>cremoris</i>	A	nd	nd	nd	+
DS71865	<i>cremoris</i>	A	+	+	+	+
DS71867	<i>cremoris</i>	A	nd	nd	nd	nd
DS71868	<i>cremoris</i>	A	nd	nd	nd	nd
DS71864	<i>cremoris</i>	A	nd	nd	nd	nd
DS72168	<i>cremoris</i>	B	nd	nd	nd	nd
DS71863	<i>cremoris</i>	A	nd	nd	nd	nd
DS70756	<i>cremoris</i>	D	nd	nd	nd	nd
DS70757	<i>cremoris</i>	A	nd	nd	nd	nd
DS70758	<i>cremoris</i>	A	nd	nd	nd	nd
DS70759	<i>cremoris</i>	C	nd	nd	nd	nd
DS70760	<i>cremoris</i>	C	nd	nd	nd	nd
DS70761	<i>cremoris</i>	C	nd	nd	nd	nd
DS70762	<i>cremoris</i>	A	nd	nd	nd	nd
107A	<i>lactis</i>	A	nd	nd	nd	nd
107B	<i>lactis</i>	D	nd	nd	nd	nd
107C	<i>lactis</i>	B	nd	nd	nd	nd
DS68040	<i>cremoris</i>	A	nd	nd	nd	nd
DS68042	<i>cremoris</i>	B	nd	nd	nd	nd
DS68041	<i>cremoris</i>	A	nd	nd	nd	nd

Profile A: UC509.9 profile with a growth cessation at 3 $\mu\text{g.ml}^{-1}$; **Profile B:** TP901-1 profile with an equal growth cessation (1.3 and 3 $\mu\text{g.ml}^{-1}$); **Profile C:** No chemical effect; **Profile D:** Growth cessation at 1.3 $\mu\text{g.ml}^{-1}$; For the inducible lysates: **nd**- Not determined; # +: presence of phage particles; # -: phage particles not detected; * +: lytic host identified; * -: no lytic host.

12 **Table S1. (cont.)**

<i>L. lactis</i> strains	<i>L. lactis</i> subsp.	MmC growth profile	Phage particle detection			
			Flow cytometry [#]	Electron microscopy [#]	Plaque assays [#]	Host*
DS68056	<i>cremoris</i>	A	nd	nd	nd	nd
DS68057	<i>cremoris</i>	A	nd	nd	nd	nd
DS68058	<i>cremoris</i>	B	nd	nd	nd	nd
DS68059	<i>cremoris</i>	B	nd	nd	nd	nd
DS64886	<i>cremoris</i>	A	nd	nd	nd	nd
DS70282	<i>lactis</i>	B	+	nd	+	+
DS70372	<i>cremoris</i>	B	nd	nd	nd	nd
DS65308	<i>lactis</i>	A	nd	nd	nd	nd
DS67635	<i>cremoris</i>	B	nd	nd	nd	nd
DS64964	<i>cremoris</i>	A	-	nd	nd	nd
DS70385	<i>lactis</i>	B	nd	nd	nd	+
DS65028	<i>cremoris</i>	B	nd	nd	nd	nd
DS64982	<i>lactis</i>	D	+	+	+	+
DS65966	<i>cremoris</i>	A	nd	nd	nd	nd
DS64981	<i>lactis</i>	B	nd	nd	nd	nd
DS69058	<i>lactis</i>	A	nd	nd	nd	nd
DS63624	<i>lactis</i>	D	nd	nd	nd	nd
DS63625	<i>lactis</i>	D	+	nd	+	+
DS67669	<i>cremoris</i>	D	nd	nd	nd	nd
DS63626	<i>lactis</i>	B	nd	nd	nd	nd
DS66563	<i>lactis</i>	B	-	-	nd	nd
DS67792	<i>cremoris</i>	A	nd	nd	nd	nd
DS67740	<i>cremoris</i>	B	nd	nd	nd	nd
DS67611	<i>lactis</i> biovar diacetylactis	A	nd	nd	nd	nd
DS67634	<i>lactis</i> biovar diacetylactis	D	nd	nd	nd	nd
DS63633	<i>cremoris</i>	B	+	+	+	+
DS69067	<i>cremoris</i>	A	+	+	nd	nd
DS65560	<i>lactis</i> biovar diacetylactis	D	nd	nd	nd	nd
DS70248	<i>lactis</i> biovar diacetylactis	D	+	+	nd	nd
DS69059	<i>cremoris</i>	B	-	nd	nd	nd
DS68504	<i>cremoris</i>	A	nd	nd	nd	nd
DS56538	<i>cremoris</i>	B	nd	nd	nd	nd
DS56537	<i>cremoris</i>	A	nd	nd	nd	nd
DS390	<i>cremoris</i>	A	nd	nd	nd	nd
DS0505	<i>cremoris</i>	B	nd	nd	nd	nd
DS601	<i>cremoris</i>	A	-	-	nd	nd
DS603	<i>cremoris</i>	B	nd	nd	nd	nd
DS940	<i>cremoris</i>	B	nd	nd	nd	nd

Profile A: UC509.9 profile with a growth cessation at 3 $\mu\text{g}.\text{ml}^{-1}$; **Profile B:** TP901-1 profile with an equal growth cessation (1.3 and 3 $\mu\text{g}.\text{ml}^{-1}$); **Profile C:** No chemical effect; **Profile D:** Growth cessation at 1.3 $\mu\text{g}.\text{ml}^{-1}$; For the inducible lysates: **nd-** Not determined; # +: presence of phage particles; # -: phage particles not detected; * +: lytic host identified; * -: no lytic host.

