

Table S1. Bacterial strains and plasmids

Strain or plasmid	Characteristic(s) ^a	Source or reference
<i>Lactobacillus casei</i>		
BL23	Wild type strain	[1]
PAR 004	BL23 <i>lcabl_02770::lox72</i>	this work
PAR 005	BL23 containing pMSP::2770 plasmid	this work
PAR 006	BL23 <i>lcabl_02770::lox72</i> containing pMSP::2770StrepTag plasmid	this work
PAR 024	BL23 containing pMSP::2770StrepTag plasmid	this work
<i>Escherichia coli</i>		
TOP 10	<i>F- mcrA Δ(mrr-hsdRMS-mcrBC) φ80lacZΔM15 ΔlacX74 nupG recA1 araD139 Δ(ara-leu)7697 galE15 galK16 rpsL(Str^R) endA1 λ⁻</i>	Invitrogen
TG1repA+	TG1 derivative with <i>repA</i> gene integrated into the chromosome, allowing replication of <i>Lactococcus lactis</i> plasmids	P. Renault, INRA, Jouy-en-Josas, France
PAR 003	TOP 10 strain containing pBad/His B::2770 plasmid	this work
Plasmids		
pNZ5319	Cm ^r Em ^r ; pACYC184 derivative containing the <i>cat</i> gene under the control of the P ₃₂ constitutive promoter of <i>L. lactis</i> (<i>lox66-P₃₂cat-lox71</i> cassette)	[2]
pGhost Cre	Em ^r ; thermosensitive, Cre expression vector	[3]
pBad/His B	Amp ^r , pBR322-derived expression vector carrying the <i>araBAD</i> promoter (P _{BAD}) and allowing N-terminal 6xHis tag fusion	Invitrogen
pBad/His B::2770	pBad/His B derivative containing <i>lcabl_02770</i> gene without signal peptide sequence	this work
pMSP3545	Em ^r ; shuttle vector carrying the <i>nisRK</i> genes, P _{nisA} promoter and start codon in <i>NcoI</i> site allowing translational fusion	[4]
pMSP::2770	pMSP3545 derivative containing <i>lcabl_02770</i>	this work
pMSP::2770StrepTag	pMSP3545 derivative containing <i>lcabl_02770</i> with a C-terminal Strep-TagII	this work

^a Cm^r and Em^r indicate resistance to chloramphenicol and erythromycin, respectively.

References

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3. Fontaine L, Dandoy D, Boutry C, Delplace B, de Frahan MH, et al. (2010) Development of a versatile procedure based on natural transformation for marker-free targeted genetic modification in *Streptococcus thermophilus*. *Appl Environ Microbiol* 76: 7870-7877.
4. Bryan EM, Bae T, Kleerebezem M, Dunne GM (2000) Improved vectors for nisin-controlled expression in gram-positive bacteria. *Plasmid* 44: 183-190.