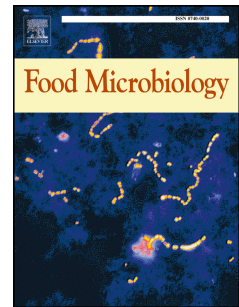


# Accepted Manuscript

Impact of *Lactobacillus curvatus* 54M16 on microbiota composition and growth of *Listeria monocytogenes* in fermented sausages

Marina Giello, Antonietta La Storia, Francesca De Filippis, Danilo Ercolini, Francesco Villani



PII: S0740-0020(17)30447-1

DOI: [10.1016/j.fm.2017.11.003](https://doi.org/10.1016/j.fm.2017.11.003)

Reference: YFMIC 2896

To appear in: *Food Microbiology*

Received Date: 15 May 2017

Revised Date: 31 October 2017

Accepted Date: 6 November 2017

Please cite this article as: Giello, M., La Storia, A., De Filippis, F., Ercolini, D., Villani, F., Impact of *Lactobacillus curvatus* 54M16 on microbiota composition and growth of *Listeria monocytogenes* in fermented sausages, *Food Microbiology* (2017), doi: 10.1016/j.fm.2017.11.003.

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

**Impact of *Lactobacillus curvatus* 54M16 on microbiota composition and growth of *Listeria monocytogenes* in fermented sausages**

**Giello Marina, La Storia Antonietta, De Filippis Francesca, Ercolini Danilo, Villani Francesco\***

Department of Agricultural Sciences, Division of Microbiology, University of Naples Federico II,  
via Università 100, 80055 Portici, Italy

\*Corresponding author:

Prof. Francesco Villani

Department of Agricultural Sciences, Division of Microbiology, University of Naples Federico II,  
Via Università 100, 80055 Portici, Italy

Phone: +39-0812539403. Fax: +39-0812539407.

E-mail: villani@unina.it

**Highlights**

- *Lactobacillus curvatus* 54M16 produced the bacteriocins *sak* X, *sak* T<sub>α</sub>, *sak* T<sub>β</sub> and *sak* P.
- *Lb. curvatus* 54M16 rapidly inhibited the growth of *L. monocytogenes* in co-culture.
- Anti-listerial activity was lower during the production of fermented sausages.
- rRNA-based analysis revealed the strong impact of *Lb. curvatus* 54M16 on sausage microbiota.
- *Lb. curvatus* 54M16 decreased spoilage and pathogenic bacteria in sausages.

Download English Version:

<https://daneshyari.com/en/article/8843555>

Download Persian Version:

<https://daneshyari.com/article/8843555>

[Daneshyari.com](https://daneshyari.com)