

Accepted Manuscript

Rapid detection and evolutionary analysis of *Legionella pneumophila* serogroup 1 sequence type 47

M. Mentasti, P. Cassier, S. David, C. Ginevra, L. Gomez-Valero, A. Underwood, B. Afshar, J. Etienne, J. Parkhill, V. Chalker, C. Buchrieser, T.G. Harrison, S. Jarraud

PII: S1198-743X(16)30603-6

DOI: [10.1016/j.cmi.2016.11.019](https://doi.org/10.1016/j.cmi.2016.11.019)

Reference: CMI 787

To appear in: *Clinical Microbiology and Infection*

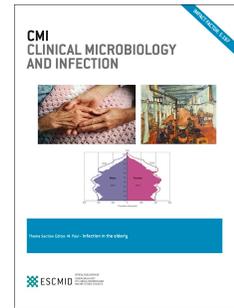
Received Date: 29 September 2016

Revised Date: 23 November 2016

Accepted Date: 24 November 2016

Please cite this article as: Mentasti M, Cassier P, David S, Ginevra C, Gomez-Valero L, Underwood A, Afshar B, Etienne J, Parkhill J, Chalker V, Buchrieser C, Harrison TG, Jarraud S, ESCMID Study Group for Legionella Infections (ESGLI), Rapid detection and evolutionary analysis of *Legionella pneumophila* serogroup 1 sequence type 47, *Clinical Microbiology and Infection* (2016), doi: 10.1016/j.cmi.2016.11.019.

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.



1 ORIGINAL ARTICLE

2

3 **Rapid detection and evolutionary analysis of *Legionella pneumophila***
4 **serogroup 1 sequence type 47**

5

6 M. Mentasti¹, P. Cassier², S. David^{1,3}, C. Ginevra^{2,4}, L. Gomez-Valero^{5,6}, A.
7 Underwood¹, B. Afshar^{1,7}, J. Etienne², J. Parkhill³, V. Chalker¹, C. Buchrieser^{5,6}, T. G.
8 Harrison¹ and S. Jarraud^{2,4}; ESCMID Study Group for *Legionella* Infections (ESGLI).

9

10 ¹ Public Health England, London, UK; ² French National Reference Center of *Legionella*,
11 Hospices Civils de Lyon, France; ³ Wellcome Trust Sanger Institute, Cambridge, UK; ⁴
12 International Center for Infectiology Research, Inserm, U1111; CNRS; UMR5308,
13 Université Lyon 1; École Normale Supérieure de Lyon, Lyon, F-69008, France; ⁵ Institut
14 Pasteur, Unité de Biologie des Bactéries Intracellulaires; ⁶ CNRS UMR 3525, 28, Rue du Dr
15 Roux, 75724, Paris, France; ⁷ The European Programme for Public Health Microbiology
16 Training (EUPHEM), ECDC, Stockholm, Sweden

17

18 **Running Title:** *L. pneumophila* sg1 ST47 detection and evolution

19

20 **Corresponding author:**

21 Sophie Jarraud

22 Hospices Civil de Lyon, Groupe hospitalier Est, National Reference center of
23 Legionella, Centre de Biologie et pathologie Est, 59 Boulevard Pinel, 69677 Bron
24 Cedex, France

25 Tel: +33 4 78 77 86 42

26 Fax: +33 4 78 77 86

27 E mail: Sophie.jarraud@univ-lyon1.fr

28

29 **Keywords:** *L. pneumophila*, ST47, PCR, WGS, Phylogeny, ST109, ST62

30

Download English Version:

<https://daneshyari.com/en/article/5671538>

Download Persian Version:

<https://daneshyari.com/article/5671538>

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