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Antimicrobial agent susceptibilities of *Legionella pneumophila* MLVA-8 genotypes

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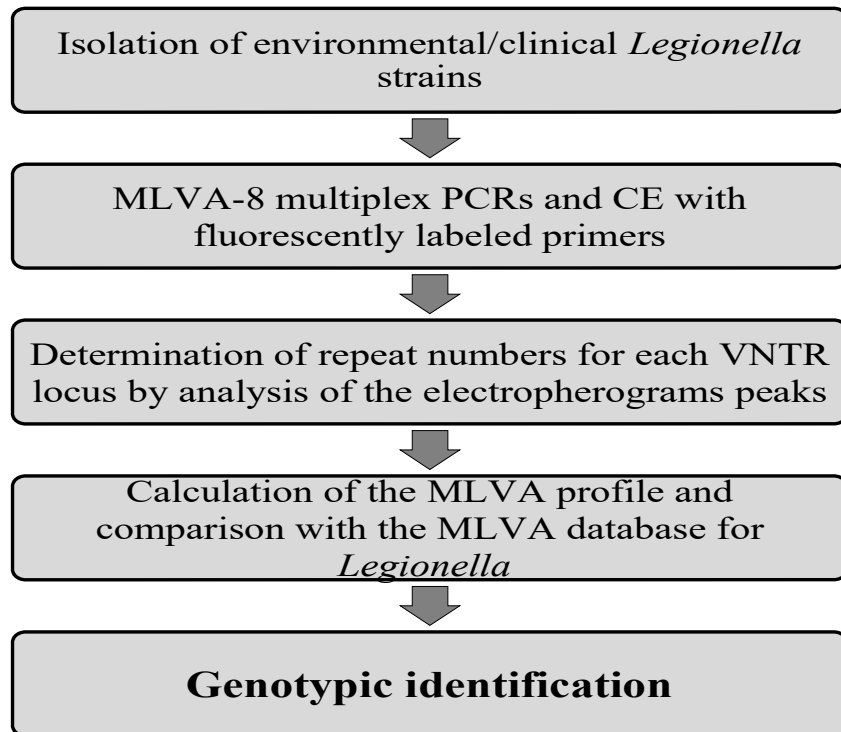
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#Equal contribution



Supplementary Fig. S1. Workflow chart of the MLVA-8 analysis. PCRs with fluorescently labeled primers for capillary electrophoresis (CE) enable the determination of the repeat numbers in VNTR loci through the analysis of the peaks in the electropherograms as shown in Figure 1. The different number of repeats at each VNTR locus is reflected in the MLVA profiles, which are specific for each strain. The MLVA database for *Legionella pneumophila* allows the comparison of allelic repeat profiles (<http://microbesgenotyping.i2bc.paris-saclay.fr/databases/view/887>) between strains.

Supplementary Table S1.

MLVA primers position and repeat size at each VNTR locus.

Primer*	Sequence (5'-3')	Position**	Repeat size (bp)	Locus size (bp)***
Lpms1F	ACGAGCATATGACAAAGCCTTG	3231397	45	565
Lpms1R	CGGATCATCAGGTATTAATCGC	3230833		
Lpms3F	CAACCAATGAAGCAAAGCA	3144593	96	941
Lpms3R	AGGGGTTGATGGTCTCAATG	3145533		
Lpms13L	CAATAGCATCGGACTGAGCA	1645030	24	428
Lpms13R	TGCCTGTGTATCTGGAAAAGC	1644603		
Lpms17F	CAGCTCACCCCGTATCACTT	930888	39	278
Lpms17R	TAACATCAATGACCGCGAAA	931165		
Lpms19F	GAACTATCAGAAGGAGGCGAT	913318	21	173
Lpms19R	GGAGTTTGACTCGGCTCAGG	913490		
Lpms33F	ACCACAGCAGTTTGAACATAAT	2578624	125	227
Lpms33R	GGGAGAAGTTATAGATCTATTCG	2578850		
Lpms34F	GAAAAGGAATAAGGCGCAGCAC	2661871	125	209
Lpms34R	AAACCTCGTTGGCCCTCGCTT	2662079		
Lpms35F	CTGAAACAGTTGAGGATGTGA	1428273	18	202
Lpms35R	TTATCAACCTCATCATCCCTG	1428474		

*Lpms- *Legionella pneumophila* minimicrosatellite

**Primers Positions numbering (5' end) according to the reference sequence Philadelphia-1¹.

***For the reference strain *Legionella pneumophila* Philadelphia-1 (ATCC33152).

Supplementary Table S2.

Antimicrobial MICs ($\mu\text{g/ml}$) for environmental *L. pneumophila* strains isolated from cold and hot water and from biofilm. MIC₉₀ values are in bold and MIC₅₀ values are presented in brackets. See also Table 5.

	Cold water (n=32)	Hot water (n=26)	Biofilm (n=35)
Ciprofloxacin	1.5 (1)	1.5 (0.625)	1.5 (1)
Moxifloxacin	1 (0.75)	1 (0.41)	1 (0.5)
Levofloxacin	1 (0.064)	0.875 (0.047)	1 (0.5)
Tigecycline	1.95 (0.5)	1 (0.5)	1.5 (0.5)
Doxycycline	0.475 (0.032)	0.25 (0.04)	0.226 (0.032)
Azithromycin	0.75 (0.38)	0.625 (0.275)	0.65 (0.38)
Erythromycin	0.488 (0.079)	0.5 (0.158)	0.5 (0.064)
clarithromycin	0.5 (0.064)	0.25 (0.047)	0.25 (0.047)
Rifampicin	0.5 (0.032)	0.5 (0.032)	0.082 (0.012)
SXT*	0.367 (0.032)	0.22 (0.023)	0.4 (0.032)

*SXT – Trimethoprim and sulfamethoxazole.