

ERRATUM

Open Access



Erratum: Increased spread and replication efficiency of *Listeria monocytogenes* in organotypic brain-slices is related to multilocus variable number of tandem repeat analysis (MLVA) complex

Claudia Guldemann^{1,2}, Michelle Bärtschi¹, Joachim Frey³, Andreas Zurbriggen¹, Torsten Seuberlich¹ and Anna Oevermann^{1*}

Erratum

The original version of this article unfortunately contained a mistake. Figures two, three and four (Figs. 1, 2 and 3 here, respectively) and their associated legends were interchanged in the HTML and PDF versions of this manuscript. The correct versions are given below. In addition, Figure Five (Fig. 4 here) was missing in the HTML version of this manuscript. The correct figure Five (Fig. 4 here) is also included below.

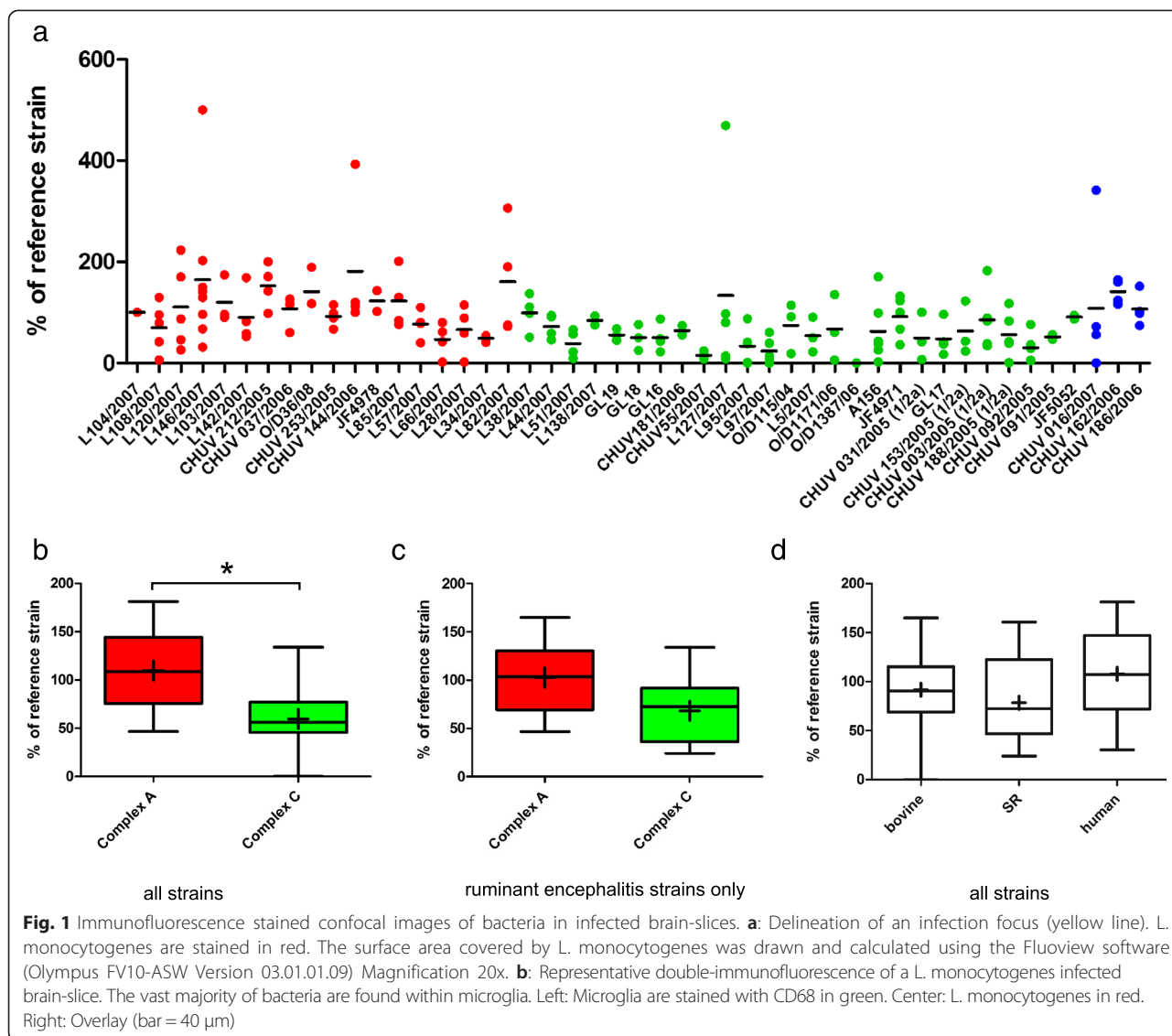
Published online: 03 September 2015

Author details

¹Division of Neurological Sciences, Neurocenter, Department of Clinical Research and Veterinary Public Health, Vetsuisse Faculty, University of Bern, Bern, Switzerland. ²Graduate school for Cellular and Biomedical Sciences, University of Bern, Bern, Switzerland. ³Institute of Veterinary Bacteriology, Vetsuisse Faculty, University of Bern, Bern, Switzerland.

* Correspondence: anna.oevermann@vetsuisse.unibe.ch

¹Division of Neurological Sciences, Neurocenter, Department of Clinical Research and Veterinary Public Health, Vetsuisse Faculty, University of Bern, Bern, Switzerland



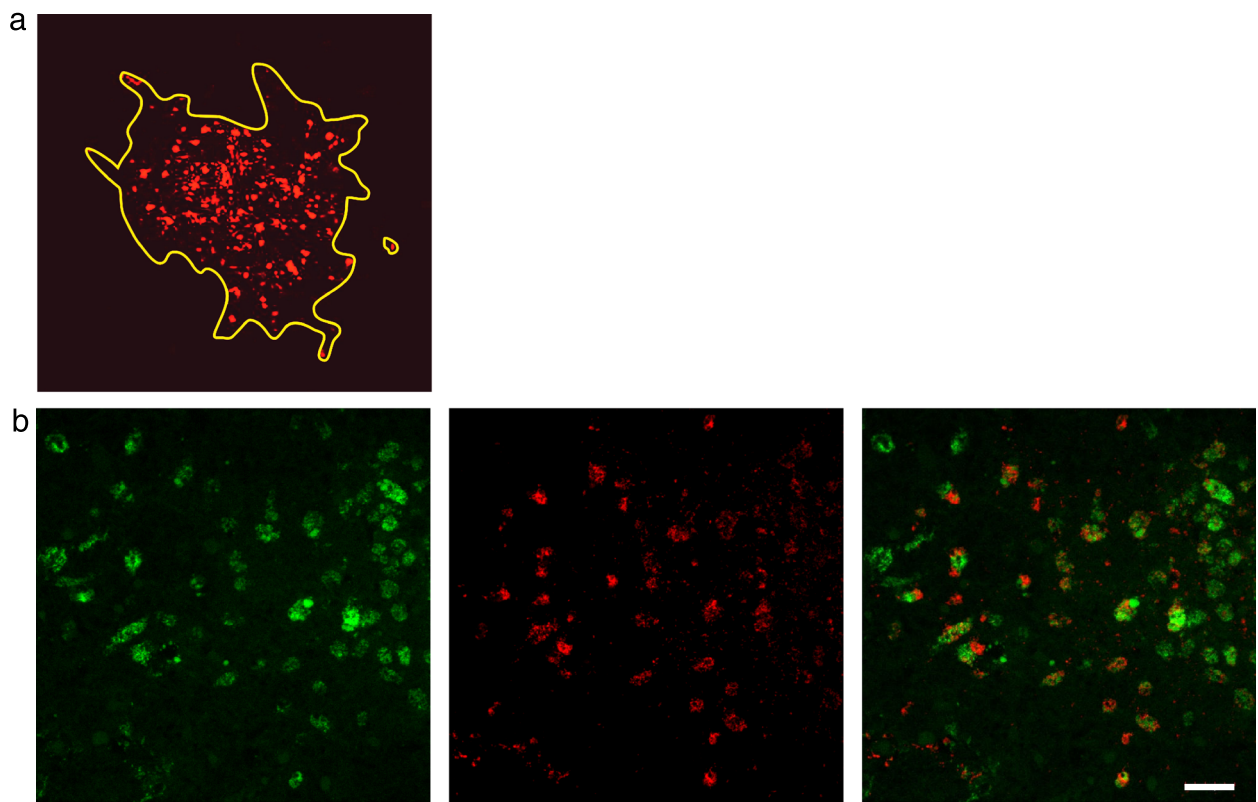


Fig. 2 Spread of *L. monocytogenes* strains in brain-slices as determined by size of infection foci. Results are shown relative to the internal control strain L104. **a:** Aligned dot plot analysis of bacterial spread of the individual strains used in this study. Red: MLVA complex A; green: MLVA complex C; blue: MLVA complex B. The horizontal line indicates the mean. **b:** Box plots comparing the total size of foci between complex A and complex C strains. Complex A strains cover a significantly larger area than complex C strains. **c:** Box plot comparing total size of foci according to host species. Human strains caused larger infection foci in brain-slices than strains isolated from small ruminants. Box plots: Whiskers represent maxima and minima. The horizontal line represents the median, + is the mean, * = $p < 0.05$

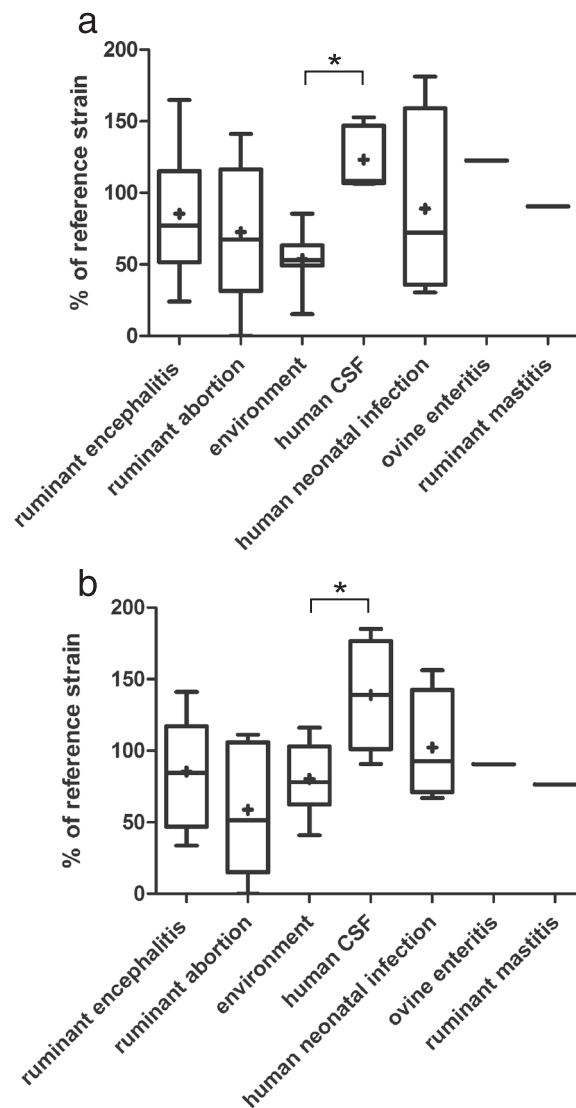


Fig. 4 Plaque sizes of *L. monocytogenes* strains in the BoMac and CaCo-2 cell lines. Results are shown relative to the internal control strain L104. **a:** The relative plaque size in BoMac-cells is shown for each strain as an aligned dot plot. Red: Complex A strains; green: Complex C strains; blue: Complex B strains. The horizontal line indicates the mean. **b:** Box plots comparing plaque size in BoMac cells between complex A and complex C strains. Plaques of complex A strains are significantly larger than those of complex C strains. The horizontal line represents the median, + is the mean. **c:** The host species had no influence on plaque-size in BoMac cells. **d:** CaCo-2 cells: the relative plaque size for each strain is shown as an aligned dot plot. Red: Complex A; green: Complex C; blue: Complex B. The horizontal line indicates the mean. **e:** Box plots comparing plaque size in CaCo-2 cells between complex A and complex C strains. There is no difference in plaque size between complex A and C strains. **f:** Human strains formed larger plaques in CaCo-2 cells than strains isolated from small ruminants. * = $p < 0.05$. Box plots: Whiskers represent maxima and minima. The horizontal line represents the median, + is the mean