# CORRECTION Open Access

# Correction to: Isolation and genetic characterization of *Toxoplasma gondii* in Spanish sheep flocks

Mercedes Fernández-Escobar<sup>1</sup>, Rafael Calero-Bernal<sup>1\*</sup>, Julio Benavides<sup>2</sup>, Javier Regidor-Cerrillo<sup>3</sup>, María Cristina Guerrero-Molina<sup>1</sup>, Daniel Gutiérrez-Expósito<sup>2</sup>, Esther Collantes-Fernández<sup>1</sup> and Luis Miguel Ortega-Mora<sup>1\*</sup>

Correction to: Parasites & Vectors (2020) 13:396 https://doi.org/10.1186/s13071-020-04275

Following the publication of the original article [1] the authors flagged that, unfortunately, there are errors in Table 3 and Additional file 1: Table S1.

In Table 3, the animal origin (province) of the isolate TgShSp30 was listed as Sisante (Cuenca); however, this isolate originates from Alburquerque (Badajoz). Likewise, the animal origin (province) of the isolate TgShSp27 was listed as Alburquerque (Badajoz); however, this isolate originates from Sisante (Cuenca). Additionally, the ELISA IRCP value for the serum sample of the animal

from which isolate TgShSp27 was obtained is 83 instead of 86.7.

In Additional file 1: Table S1, the location of origin of the isolates TgShSp27 and TgShSp30 was mistaken in the same way. In addition, the proportion of no. infected mice/no. inoculated mice, should be changed from 2/3 to 1/3 in the case of TgShSp30, and from 1/3 to 2/3 in the case of TgShSp27 isolate.

The corrected versions of Table 3 and Additional file 1: Table S1 are provided in this correction. The authors apologise for the inconvenience caused.

The original article can be found online at https://doi.org/10.1186/s1307 1-020-04275-z.

Full list of author information is available at the end of the article



© The Author(s) 2020. This article is licensed under a Creative Commons Attribution 4.0 International License, which permits use, sharing, adaptation, distribution and reproduction in any medium or format, as long as you give appropriate credit to the original author(s) and the source, provide a link to the Creative Commons licence, and indicate if changes were made. The images or other third party material in this article are included in the article's Creative Commons licence, unless indicated otherwise in a credit line to the material. If material is not included in the article's Creative Commons licence and your intended use is not permitted by statutory regulation or exceeds the permitted use, you will need to obtain permission directly from the copyright holder. To view a copy of this licence, visit http://creativecommons.org/licenses/by/4.0/. The Creative Commons Public Domain Dedication waiver (http://creativecommons.org/publicdomain/zero/1.0/) applies to the data made available in this article, unless otherwise stated in a credit line to the data.

<sup>\*</sup>Correspondence: r.calero@ucm.es; luis.ortega@ucm.es

<sup>&</sup>lt;sup>1</sup> SALUVET, Animal Health Department, Faculty of Veterinary Sciences, Complutense University of Madrid, Ciudad Universitaria s/n, 28040 Madrid, Spain

**Table 3** Summarized data on adult sheep myocardial tissue sample collection in authorized slaughterhouses in central and western Spain (2018)

Animal origin (province)	Breeding area	Age	Breed	No. of serum samples		ELISA IRPC	Isolate ID
				Samples analysed	ELISA-positive (%)		
Plasencia (Cáceres)	West	Adult (4–5 years-old)	Merino	100	39.0 (39/100)	85.0	TgShSp11
						76.9	TgShSp12
						81.1	TgShSp13
						81.6	TgShSp14
						66.3	TgShSp15
						88.1	TgShSp19
						85.1	TgShSp20
						92.0	TgShSp21
						66.0	TgShSp22
						74.7	TgShSp28
Alburquerque (Badajoz)	South-West	Adult (4–5 years-old)	Merino	100	95.0 (95/100)	107.2	TgShSp16
						115.2	TgShSp17
						113.6	TgShSp23
						115.5	TgShSp30
						122.6	TgShSp31
Sisante (Cuenca)	Centre	Adult (4–5 years-old)	Manchega × Lacaune	42	47.6 (20/42)	75.1	TgShSp26
						83	TgShSp27
Valdepeñas (Ciudad Real)	Centre	Adult (4–5 years-old)	Manchega × Lacaune	50	40.0 (20/50)	89.0	TgShSp24
						82.5	TgShSp25
Puertollano (Ciudad Real)	Centre	Adult (4–5 years-old)	Manchega × Lacaune	50	78.0 (39/50)	107.4	TgShSp29
Total	=	-	=	342	62.3 (213/342)	=	=

# **Supplementary information**

**Supplementary information** accompanies this paper at https://doi.org/10.1186/s13071-020-04423-5.

**Additional file 1: Table S1.** Genotyping allele profile obtained by PCR-RFLP and PCR-sequencing on *T. gondii* isolates.

#### Author details

 SALUVET, Animal Health Department, Faculty of Veterinary Sciences, Complutense University of Madrid, Ciudad Universitaria s/n, 28040 Madrid, Spain.
Instituto de Ganadería de Montaña (CSIC-ULE), 24346 León, Spain.
SALUVET-innova S.L., Faculty of Veterinary Sciences, Complutense University of Madrid, Ciudad Universitaria s/n, 28040 Madrid, Spain. Published online: 03 November 2020

### Reference

 Fernández-Escobar M, Calero-Bernal R, Benavides J, Regidor-Cerrillo J, Guerrero-Molina MC, Gutiérrez-Expósito D, et al. Isolation and genetic characterization of *Toxoplasma gondii* in Spanish sheep flocks. Parasit Vectors. 2020;13:396.

## **Publisher's Note**

Springer Nature remains neutral with regard to jurisdictional claims in published maps and institutional affiliations.