



# Correction: Tyrosine kinase 2 modulates splenic B cells through type I IFN and TLR7 signaling

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In the published article, the authors would like to update the below mentioned three errors.

Enrique Vázquez de Luis at affiliation ‘Genomics Unit, Centro Nacional de Investigaciones Cardiovasculares, Madrid, Spain’ was missing from the author list and in the author contribution section: All authors contributed to the study conception and design. Material preparation, data collection and analysis were performed by Irene Bodega-Mayor,

Pablo Delgado Wicke, Alejandro Arrabal, Estíbaliz Alegría-Carrasco, Ana Nicolao-Gómez and Marta Jaén-Castaño. Transcriptomic experiments and analysis: Cristina Espadas, Ana Dopazo, Enrique Vázquez de Luis and Enrique Martín-Gayo. The first draft of the manuscript was written by Elena Fernández-Ruiz and Belén de Andrés, and all authors commented on previous versions of the manuscript. All authors read and approved the final manuscript.

In Fig. 3b of this article, the values used to depict the volcano plot for MZ cells do not correspond to the MZ data included in Supplementary Tables S4 and S5. The correct

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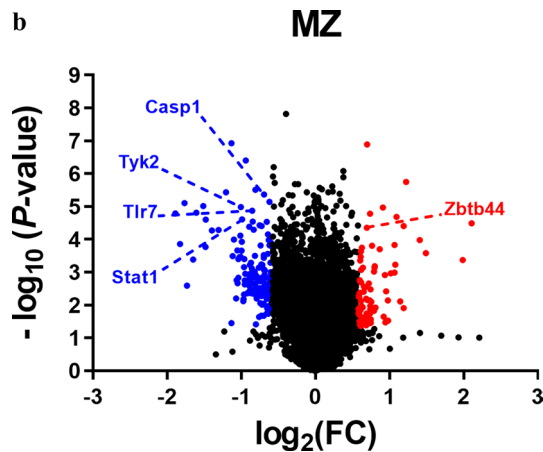
The original article can be found online at <https://doi.org/10.1007/s00018-024-05234-y>.

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MZ data is shown below, although no significant changes were detected on the final Fig. 3.



**Fig. 3** RNA-Seq analysis of gene expression in FO and MZ B cells in homeostasis. FACS-purified FO and MZ cells from WT and *Tyk2*<sup>-/-</sup> mice were used to prepare total RNA (MZ cells) or mRNA (FO cells) as indicated in the Material and Methods section. **B** Distribution of DEGs according to FO or MZ cell population plotted as a function of their variation and significance ( $P$ -value < 0.05). Labeled in red and blue are representative up- and down-regulated genes, respectively.

In Supplementary Table 3 of this article there are some errors in the  $\log_2(\text{FC})$  values for FO cells, which did not correspond to the values used to depict the heat map and volcano plot of the FO cells shown in Fig. 3. These values have been corrected in the updated Supplementary Table 3.

The original article has been corrected.

**Supplementary Information** The online version contains supplementary material available at <https://doi.org/10.1007/s00018-024-05482-y>.

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