



## OPEN ACCESS

EDITED AND REVIEWED BY  
Francesca Granucci,  
University of Milano-Bicocca, Italy

\*CORRESPONDENCE  
Said Aoufouchi  
✉ said.aoufouchi@gustaveroussy.fr

†PRESENT ADDRESS  
Leticia K. Lerner,  
Cell Death and Drug Resistance in  
Hematological Disorders Team, Centre de  
Recherche des Cordeliers, INSERM, Sorbonne  
Université, Université de Paris, Paris, France  
Emmanuelle Despras,  
Sorbonne Université, INSERM UMR5 938,  
Équipe Instabilité des Microsatellites et  
Cancer, Centre de recherche Saint Antoine,  
Paris, France

†These authors have contributed  
equally to this work and share  
first authorship

RECEIVED 18 April 2024  
ACCEPTED 14 May 2024  
PUBLISHED 22 May 2024

CITATION  
Lerner LK, Bonte D, Le Guillou M,  
Mohammad MM, Kasraian Z, Sarasin A,  
Despras E and Aoufouchi S (2024)  
Corrigendum: Expression of constitutive  
fusion of ubiquitin to PCNA restores the level  
of immunoglobulin A/T mutations during  
somatic hypermutation in the Ramos cell line.  
*Front. Immunol.* 15:1419493.  
doi: 10.3389/fimmu.2024.1419493

COPYRIGHT  
© 2024 Lerner, Bonte, Le Guillou, Mohammad,  
Kasraian, Sarasin, Despras and Aoufouchi. This  
is an open-access article distributed under the  
terms of the [Creative Commons Attribution  
License \(CC BY\)](#). The use, distribution or  
reproduction in other forums is permitted,  
provided the original author(s) and the  
copyright owner(s) are credited and that the  
original publication in this journal is cited, in  
accordance with accepted academic  
practice. No use, distribution or reproduction  
is permitted which does not comply with  
these terms.

# Corrigendum: Expression of constitutive fusion of ubiquitin to PCNA restores the level of immunoglobulin A/T mutations during somatic hypermutation in the Ramos cell line

Leticia K. Lerner<sup>1,2,3,4††</sup>, Dorine Bonte<sup>1,2,3†</sup>,  
Morwenna Le Guillou<sup>1,2,3</sup>, Mahwish Mian Mohammad<sup>1,2,3,5</sup>,  
Zeinab Kasraian<sup>1,2,3</sup>, Alain Sarasin<sup>1,2,3</sup>, Emmanuelle Despras<sup>1,2,3†</sup>  
and Said Aoufouchi<sup>1,2,3,5\*</sup>

<sup>1</sup>Centre National de la Recherche Scientifique UMR 9019, B Cell and Genome Plasticity Team, Villejuif, France, <sup>2</sup>Gustave Roussy, Villejuif, France, <sup>3</sup>Université Paris-Saclay, Orsay, France, <sup>4</sup>Department of Microbiology, Institute of Biomedical Sciences, University of São Paulo, São Paulo, Brazil, <sup>5</sup>Sorbonne Université, Paris, France

## KEYWORDS

immunoglobulin somatic hypermutation, PCNA monoubiquitination, Ramos B cell line, USP1 inhibition, A/T mutation pathway

## A Corrigendum on

**Expression of constitutive fusion of ubiquitin to PCNA restores the level of immunoglobulin A/T mutations during somatic hypermutation in the Ramos cell line**

By Lerner LK, Bonte D, Le Guillou M, Mohammad MM, Kasraian Z, Sarasin A, Despras E and Aoufouchi S (2022). *Front. Immunol.* 13:871766. doi: 10.3389/fimmu.2022.871766

In the published article, there was an error in **Figure 5** as published. The published version contains typing errors. The corrected **Figure 5** and its caption appear below.

The authors apologize for this error and state that this does not change the scientific conclusions of the article in any way. The original article has been updated.

## Publisher's note

All claims expressed in this article are solely those of the authors and do not necessarily represent those of their affiliated organizations, or those of the publisher, the editors and the reviewers. Any product that may be evaluated in this article, or claim that may be made by its manufacturer, is not guaranteed or endorsed by the publisher.

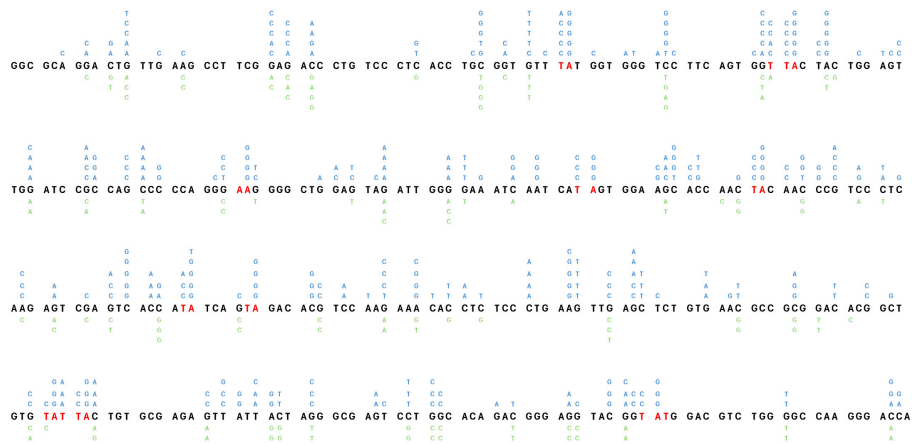


FIGURE 5

Distribution of point-mutations along the amplified Ramos VH region. Independently occurring base substitutions are indicated at each nucleotide position. The POLH hotspots (WA/TW) targeted following the expression of mUb-PCNA are indicated in red. The figure represent the pool of base substitution obtained from the clones indicated in Table 2A. The Nucleotide Substitutions in blue indicated above the Ramos VH sequence are from the 5 clones expressing mUb-PCNA and those below in green are from the five control clones.