



Corrigendum: Variant Signal Peptides of Vaccine Antigen, FHbp, Impair Processing Affecting Surface Localization and Antibody-Mediated Killing in Most Meningococcal Isolates

Ronni A. G. da Silva¹, Andrey V. Karlyshev², Neil J. Oldfield¹, Karl G. Wooldridge¹, Christopher D. Bayliss³, Ali Ryan² and Ruth Griffin^{1*}

¹ Centre for Biomolecular Sciences, University of Nottingham, Nottingham, United Kingdom, ² School of Life Sciences, Pharmacy and Chemistry, Kingston University, Kingston upon Thames, United Kingdom, ³ Department of Genetics and Genome Biology, University of Leicester, Leicester, United Kingdom

Keywords: meningococcus, FHbp, vaccine, signal peptide, lipoprotein, Lnt, Slam

A Corrigendum on

OPEN ACCESS

Approved by:
Frontiers Editorial Office,
Frontiers Media SA, Switzerland

***Correspondence:**
Ruth Griffin
ruth.griffin1@nottingham.ac.uk

Specialty section:
This article was submitted to
Infectious Diseases,
a section of the journal
Frontiers in Microbiology

Received: 10 January 2020

Accepted: 13 January 2020

Published: 05 February 2020

Citation:
da Silva RAG, Karlyshev AV,
Oldfield NJ, Wooldridge KG,
Bayliss CD, Ryan A and Griffin R
(2020) Corrigendum: Variant Signal
Peptides of Vaccine Antigen, FHbp,
Impair Processing Affecting Surface
Localization and Antibody-Mediated
Killing in Most Meningococcal
Isolates. *Front. Microbiol.* 11:55.
doi: 10.3389/fmicb.2020.00055

Variant Signal Peptides of Vaccine Antigen, FHbp, Impair Processing Affecting Surface Localization and Antibody-Mediated Killing in Most Meningococcal Isolates

by da Silva, R. A. G., Karlyshev, A. V., Oldfield, N. J., Wooldridge, K. G., Bayliss, C. D., Ryan, A., et al. (2019). *Front. Microbiol.* 10:2847. doi: 10.3389/fmicb.2019.02847

In the original article, the labelling of “Class 2” and “Class 3” isolates was switched erroneously in **Table 2** and **Figure 9B**. The corrected **Table 2** and **Figure 9** appear below.

Further, the year the Trumenba vaccine was licensed is incorrectly provided as “2015” and should be “2014”.

A correction has been made to the **Introduction**, paragraph three.

“Through an accelerated approval process, both Trumemba (Pfizer) and Bexsero (GSK) were licensed by the FDA in 2014 and 2015 respectively for immunization to prevent invasive disease by meningococcal group B in the United States in individuals 10 to 25 years of age. Trumenba comprises two recombinant FHbps, one from subfamily A, the other from subfamily B, both containing the lipid moiety found in the native protein (Fletcher et al., 2004; Gandhi et al., 2016). A recombinant non-lipidated form of FHbp from subfamily B is also one of the antigens of the Bexsero vaccine (GSK) (Vernikos and Medini, 2014) licensed for infants from 2 months of age in Europe in 2013 and, like Trumenba, now licensed globally (Basta and Christensen, 2016).”

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

Copyright © 2020 da Silva, Karlyshev, Oldfield, Wooldridge, Bayliss, Ryan and Griffin. 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.

TABLE 2 | MenB invasive isolates used in this study.

| Class | Isolate number | Isolate, full name |
|-------|----------------|--------------------|
| 1 | – | MC58 |
| | 1 | H44/76 |
| | 2 | M10_240684 |
| | 3 | M10_240701 |
| 3 | 4 | M02_241729 |
| | 5 | M10_240579 |
| | 6 | M13_240525 |
| | 7 | M04_241215 |
| | 8 | M11_241066 |
| 2 | 9 | M13_240614 |
| | – | L91543 |
| | 10 | M10_240750 |
| | 11 | M13_240675 |
| | 12 | M11_240236 |
| 4 | 13 | M12_240006 |
| | 14 | M11_241033 |
| | 15 | M14_240367 |
| | 16 | M02_240210 |
| | 17 | M11_240077 |
| | 18 | M13_240486 |

The SP class is indicated for each isolate.

