

## Corrigendum

# Rational design of an XNA ligase through docking of unbound nucleic acids to toroidal proteins

**Michiel Vanmeert<sup>1</sup>, Jamoliddin Razzokov<sup>2</sup>, Muhammad Usman Mirza<sup>1,3</sup>, Stephen D. Weeks<sup>4</sup>, Guy Schepers<sup>1</sup>, Annemie Bogaerts<sup>2</sup>, Jef Rozenski<sup>1</sup>, Mathy Froeyen<sup>1</sup>, Piet Herdewijn<sup>1</sup>, Vitor B. Pinheiro<sup>1,5</sup> and Eveline Lescrinier<sup>1,\*</sup>**

<sup>1</sup>Medicinal Chemistry, Rega Institute for Medical Research, KU Leuven, Herestraat 49, box 1041, 3000 Leuven, Belgium, <sup>2</sup>Research group PLASMANT, Department of Chemistry, University of Antwerp, Universiteitsplein 1, B-2610 Antwerp, Belgium, <sup>3</sup>Centre for Research in Molecular Medicine (CRiMM), University of Lahore, Pakistan, <sup>4</sup>Biocrystallography, KU Leuven, Herestraat 49, box 822, 3000 Leuven, Belgium and <sup>5</sup>University College London, Department of Structural and Molecular Biology, Gower Street, London, WC1E 6BT, UK

*Nucleic Acids Research*, 2019, 47(13): 7130–7142, <https://doi.org/10.1093/nar/gkz551>

The Authors wish to correct an error in Figure 5, panel D.

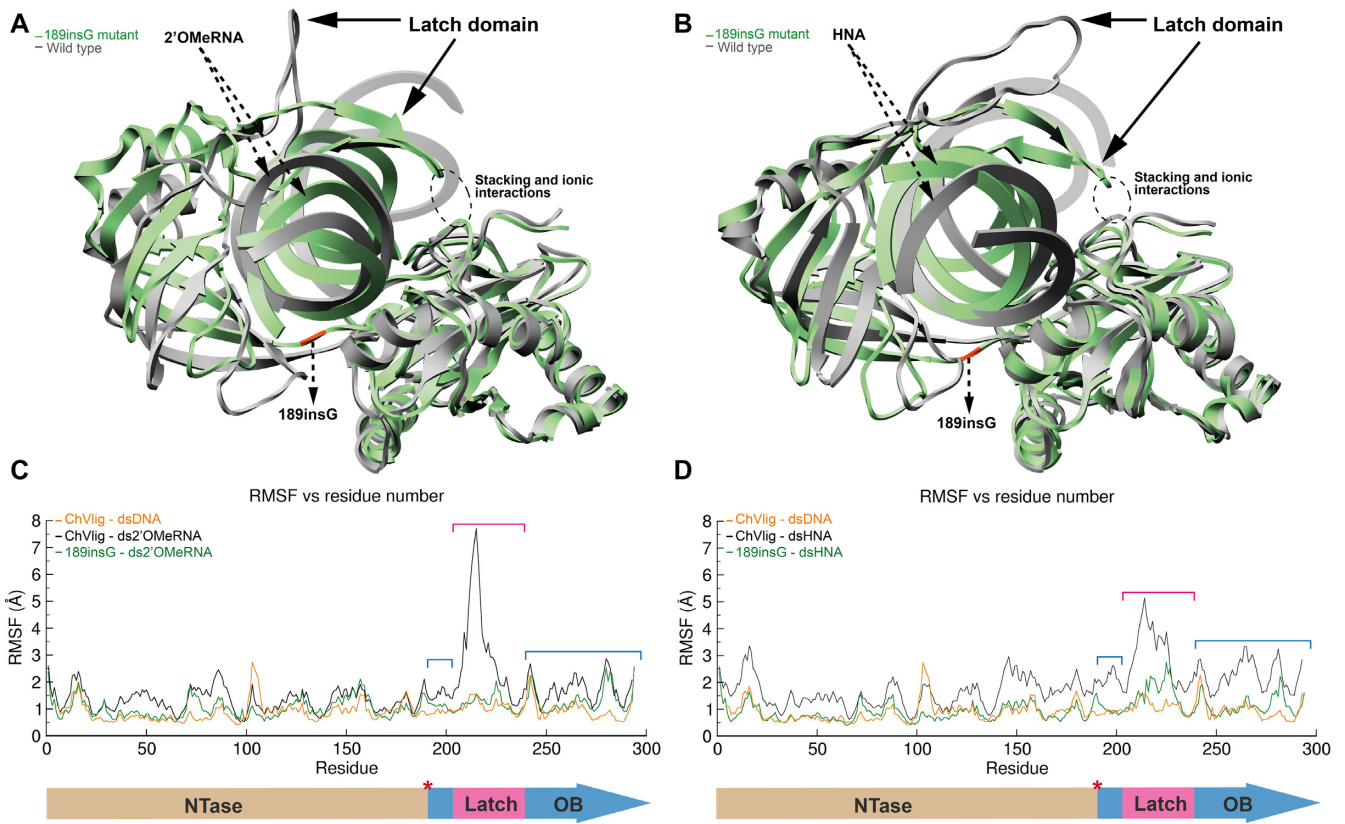
The RMSF plots in panel D are for HNA not 2'OMeRNA. The colour legend of panel D should be:

ChVlig – dsDNA (orange)  
ChVling – dsHNA (black)  
189insG – dsHNA (green)

The figure caption is correct. A new Figure 5 is provided below and the published article has been corrected.

---

\*To whom correspondence should be addressed. Eveline Lescrinier. Tel: +32 0 1632 2638; Email: [eveline.lescrinier@kuleuven.be](mailto:eveline.lescrinier@kuleuven.be)



**Figure 5.** Plot (A) (2'OMeRNA) and plot (B) (HNA) showing the overlay between the ‘open’ WT-dsXNA (gray) and closed 189insG–dsXNA complexes (green with orange insert). Position of the latch domain is indicated by an arrow. The evolutionary conserved clamp-closing in green complexes is highlighted in a dashed circle. RMSF plots in panel (C) (2'OMeRNA) and panel (D) (HNA), different domains are depicted below the graph. Red asterisk indicates the insert position.