

ERRATUM

Erratum: Directed evolution of excited state lifetime and brightness in FusionRed using a microfluidic sorter

Premashis Manna¹, Sheng-Ting Hung¹, Srijit Mukherjee^{1,2}, Pia Friis¹, David M. Simpson³, Maria Lo³, Amy E. Palmer^{2,3}, Ralph Jimenez^{1,2}

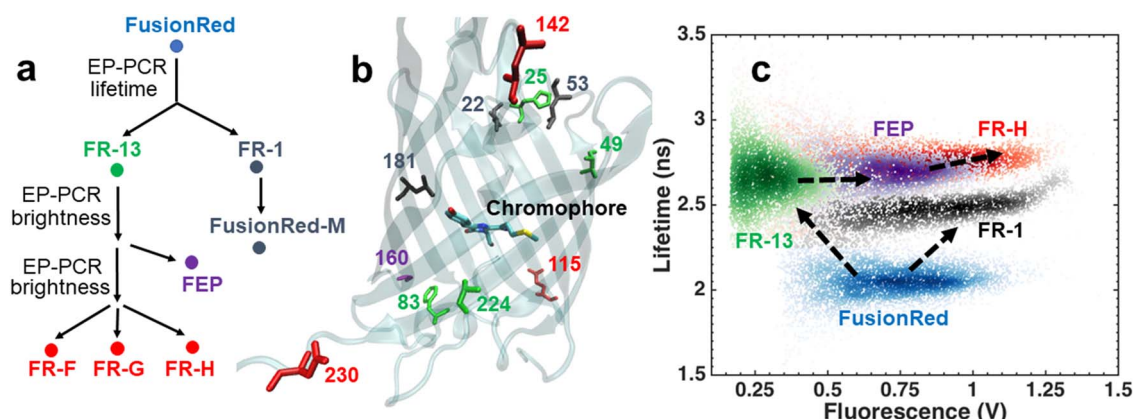
¹JILA, NIST, and University of Colorado Boulder CO 80309 USA, ²Department of Chemistry and Biochemistry, University of Colorado Boulder CO 80309 USA, and ³BioFrontiers Institute, University of Colorado Boulder CO 80309 USA

Integrative Biology Journal

Although all analysis and conclusions in the paper were correct, we did not mention explicitly that the sequences of FR-13, FR-F, FR-G and FR-H were aligned using avGFP as shown in the Supplementary Information, but the sequences of FR-1 and FusionRed-M were aligned using mCherry. Here we align the sequences of FR-1 and FusionRed-M using avGFP and the mutations are listed in the table below. The changes in the paper are as follows: FusionRed-M from L177 M to L181 M, FR-1 from V22I to V22I, L53P to L53P and L177 M to L181 M.

The mutation shown in Figure 3 of the paper is changed accordingly as shown below.

Alignment	mCherry	avGFP	mCherry	avGFP	mCherry	avGFP
avGFP	–	V22	–	L53	–	H181
FusionRed	V22	V22	L53	L53	L177	L181
FR-1	V22I	V22I	L53P	L53P	L177 M	L181 M
FusionRed-M	V22	V22	L53	L53	L177 M	L181 M



Received September 16, 2019; editorial decision September 25, 2019; accepted July 10, 2019

Published by Oxford University Press 2019.

This work is written by (a) US Government employee(s) and is in the public domain in the US.