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### Erratum

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# Correction to Resolving Chemical Modifications to a Single Amino Acid within a Peptide Using a Biological Nanopore

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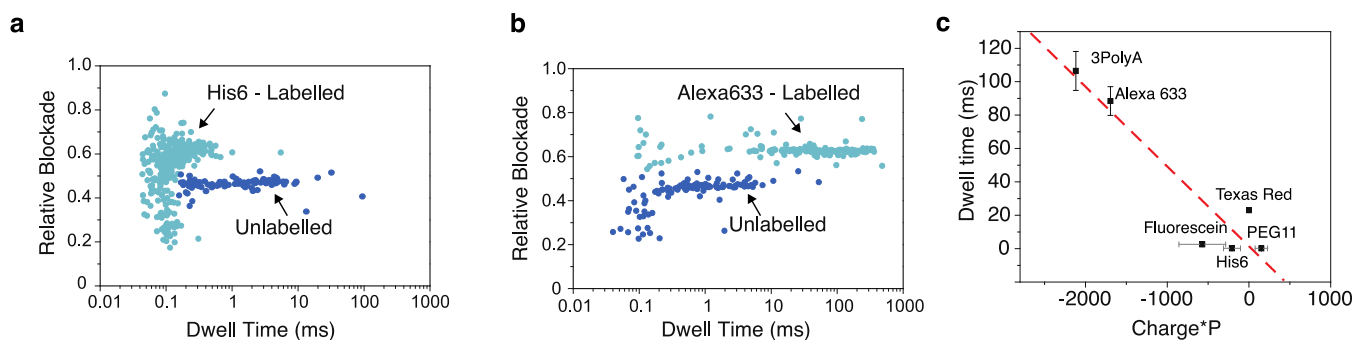
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In Figure 5c, we reported the correlation between dwell times and electrical charges of tags. We did not account for the sign of some of the tags correctly, leading to an error that we would like to amend. In the published Figure 5c, the value of the parameter  $\text{charge} \times P$  for the labels Alexa 633 and 3PolyA should have had a negative value. Below, we provide a corrected figure and figure legend. We note that this correction does not in any way affect the conclusions of the article.

Hydrophilic and Hydrophobic Amino Acids in Peptides, through Controllable, Stepwise Translocation across Nanopores. *Polymers* 2018, 10, No. 885.



**Figure 5.** Scatter plots of the peptide labeled with (a) His6 and (b) Alexa633. Faster translocation times are observed in peptides labeled with His6 compared to Alexa633. (c) Plot of dwell time vs net charge  $\times P$ , where  $P = M \times w/L$  (see Figure 4). A correlation ( $R^2 = 0.85$ ) is observed between these parameters. The errors in the  $x$ -axis for fluorescein, His6, and PEG11 represent the range of values that the parameter can take due to the possible charged states of the molecules.

For completeness, we would also like to add some additional citations: 1–3.

## REFERENCES

- (1) Asandei, A.; Chinappi, M.; Lee, J.; Ho Seo, C.; Mereuta, L.; Park, Y.; Luchian, T. Placement of Oppositely Charged Aminoacids at a Polypeptide Termini Determines the Voltage-Controlled Braking of Polymer Transport through Nanometer-Scale Pores. *Sci. Rep.* 2015, 5, 10419.
- (2) Asandei, A.; Rossini, A. E.; Chinappi, M.; Park, Y.; Luchian, T. Protein Nanopore-Based Discrimination between Selected Neutral Amino Acids from Polypeptides. *Langmuir* 2017, 33, 14451–14459.
- (3) Asandei, A.; Dragomir, I. S.; Di Muccio, G.; Chinappi, M.; Park, Y.; Luchian, T. Single-Molecule Dynamics and Discrimination between

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