

Correction

# Correction: Steele et al. Misincorporation Proteomics Technologies: A Review. *Proteomes* 2021, 9, 2

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## Error in Table

In the original publication, there was a mistake in Table 2 as published [1]. There were spelling/typographical errors that led to incorrect information to align to the wrong amino acid. Therefore, unfortunately the assignments are incorrect. We have restored the correct assignments and ensured the fidelity of the table. The core idea behind the table is unchanged by the correction, as it was only used to provide examples of PTMs that are found on amino acids; as such, the correct reformatting does not impact the concepts/ideas/message provided by this review in any way. The corrected Table 2 appears below.

**Table 2.** Amino acids and their biological post-translational modifications.

| Site of Modification | Letter Symbol | Modification  |
|----------------------|---------------|---|
| Alanine              | A             | Carbonylation   |
| Arginine             | R             | Hydroxylation, Phosphorylation, Methylation, ADP-ribosylation, Citrullination, Carbonylation            |
| Asparagine           | N             | Hydroxylation, Methylation, N-linked glycosylation  |
| Aspartic acid        | D             | Hydroxylation, Phosphorylation, Methylation   |
| Cysteine             | C             | Hydroxylation, Phosphorylation, Methylation, Sulfation, Myristoylation, ADP-ribosylation, Nitrosylation |
| Glutamic acid        | E             | Phosphorylation, Methylation, ADP-ribosylation  |
| Glutamine            | Q             | Methylation, Carbonylation  |
| Glycine              | G             | Myristoylation  |
| Histidine            | H             | Phosphorylation, Methylation  |
| Isoleucine           | I             | Methylation, Carbonylation  |
| Leucine              | L             | Methylation   |



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**Table 2.** *Cont.*

| Site of Modification | Letter Symbol | Modification  |
|----------------------|---------------|---|
| Lysine               | K             | Hydroxylation, Phosphorylation, Methylation, Ubiquitination, Myristoylation, ADP-ribosylation, Carbonylation, Malonylation, Succinylation, Glutarylation, Biotinylation |
| Methionine           | M             | Hydroxylation   |
| Phenylalanine        | F             | Hydroxylation   |
| Proline              | P             | Hydroxylation   |
| Serine               | S             | Phosphorylation, Methylation, Sulfation, O-linked glycosylation, Carbonylation, Decanoylation   |
| Selenocysteine       | U             | Hydroxylation   |
| Threonine            | T             | Phosphorylation, Methylation, Sulfation, O-linked glycosylation, Decanoylation  |
| Tryptophan           | W             | Glycosylation, Bromination, Quinone   |
| Tyrosine             | Y             | Hydroxylation, Phosphorylation, Sulfation, O-linked glycosylation, Quinone  |
| Valine               | V             | Hydroxylation, Carbonylation  |

The table provides context for how a misincorporation at a particular site could have large biological impacts on cell function [58].

The authors apologize for any inconvenience caused and state that the scientific conclusions are unaffected. The original publication has also been updated.

## Reference

1. Steele, J.R.; Italiano, C.J.; Phillips, C.R.; Violi, J.P.; Pu, L.; Rodgers, K.J.; Padula, M.P. Misincorporation Proteomics Technologies: A Review. *Proteomes* **2021**, *9*, 2. [[CrossRef](#)]