

**Supplementary material**

**DOES HUMAN NEUROGLOBIN ACT ONLY AS A SCAVENGER? REACTIVITY AND ENDOGENOUS MODIFICATION BY NITRITE AND HYDROGEN PEROXIDE\***

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**Table S1. Mass Spectrometry Data of the Modified Peptides.** Molecular weights and  $m/z$  values of the modified peptide fragments identified in NGB derivatives by MS analysis. <sup>a</sup>The mass increments with respect to the molecular weights of the unmodified peptides are indicated in parentheses.

<b>Modified residues</b>	<b>Peptides</b>	<b>MW (amu)<sup>a</sup></b>	<b><math>m/z</math> Bicharged ions</b>
Y44-NO <sub>2</sub>	31-47	2097.4 (+ 45)	1049.7
Y88-NO <sub>2</sub>	68-94	2953.3 (+ 45)	1477.6
Y115-NO <sub>2</sub>	103-119	1949.2 (+ 45)	975.6
Y137-NO <sub>2</sub>	131-146	1783.0 (+ 45)	892.5
C46-SO <sub>2</sub> H	31-47	2084.4 (+ 32)	1043.2
C46-SO <sub>2</sub> H/Y44-NO <sub>2</sub>	31-47	2129.4 (+ 77)	1065.7
C46-SO <sub>3</sub> H	31-47	2100.4 (+ 48)	1051.2
C46-SO <sub>3</sub> H/Y44-NO <sub>2</sub>	31-47	2145.4 (+ 93)	1073.7
C55-SO <sub>2</sub> H	48-66	2239.4 (+ 32)	1120.7
C55-SO <sub>3</sub> H	48-66	2255.4 (+ 48)	1128.7
C120-SO <sub>2</sub> H	120-130	1165.3 (+ 32)	583.7
C120-SO <sub>3</sub> H	120-130	1181.3 (+ 48)	591.7