

SUPPLEMENTAL TABLE LEGENDS

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2 Supplemental Table S1. **S-nitrosylated proteins/peptides from non-GSNO-treated heart**
3 **homogenates as identified via SNO-RAC proteomic analysis with a false discovery rate of**
4 **1%**. LC-MS/MS derived peptide sequences and MASCOT MS/MS search identifications.
5 Peptide identifications with ion scores below 25 were not accepted; non-cysteine containing
6 peptides were filtered from the data set. To view peptide sequences, click on the '+' symbol
7 found on the left side of the spreadsheet. Each of 4 biological replicates was run in triplicate in
8 order to increase protein/peptide identifications; replicates are identified in column headings as
9 A2 (Heart 1), B2 (Heart 2), C2 (Heart 3), and D2 (Heart 4).

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11 Supplemental Table S2. **S-nitrosylated proteins/peptides from GSNO-treated heart**
12 **homogenates as identified via SNO-RAC proteomic analysis with a false discovery rate of**
13 **1%**. LC-MS/MS derived peptide sequences and MASCOT MS/MS search identifications.
14 Peptide identifications with ion scores below 25 were not accepted; non-cysteine containing
15 peptides were filtered from the data set. To view peptide sequences, click on the '+' symbol
16 found on the left side of the spreadsheet. Each of 4 biological replicates was run in triplicate in
17 order to increase protein/peptide identifications; replicates are identified in column headings as
18 A2 (Heart 1), B2 (Heart 2), C2 (Heart 3), and D2 (Heart 4).