Supplementary Information

Table S1. Analysis of protein concentration

Table Analyzed	**protein**
Column B	experiment
vs.	vs.
Column A	control
Unpaired t test	
P value	<0.0001
P value summary	
Significantly different (P < 0.05)?	Yes
One- or two-tailed P value?	Two-tailed
t, df	9.20, df=8
How big is the difference?	
Mean of column A	0.5772
Mean of column B	0.2538
Difference between means (B - A) ± SEM	-0.3233 ± 0.01684
95% confidence interval	-0.3622 to -0.2845
R squared (eta squared)	0.9788
F test to compare variances	
F, DFn, Dfd	3.747, 4, 4
P value	0.2289
P value summary	ns
Significantly different (P < 0.05)?	No
Data analyzed	
Sample size, column A	5
Sample size, column B	5

Table S2. Analysis of amount of glucose

Table Analyzed	**Glucose**
Column B	experiment
vs.	vs.
Column A	control
Unpaired t test	
P value	<0.0001
P value summary	
Significantly different (P < 0.05)?	Yes
One- or two-tailed P value?	Two-tailed
t, df	t=30.08, df=8
How big is the difference?	
Mean of column A	52.90
Mean of column B	76.20
Difference between means (B - A) ± SEM	23.30 ± 0.7746
95% confidence interval	21.51 to 25.09
R squared (eta squared)	0.9912
F test to compare variances	
F, DFn, Dfd	2.243, 4, 4
p value	0.4532
P value summary	ns
Significantly different (P < 0.05)?	No
Data analyzed	
Sample size, column A	5
Sample size, column B	5

Table S3. Analysis of Nitric oxide concentration

Table Analyzed	**Nitric oxide**
Column B	experiment
vs.	vs.
Column A	control
Unpaired t test	
P value	0.9409
P value summary	ns
Significantly different (P < 0.05)?	No
One- or two-tailed P value?	Two-tailed
t, df	t=0.07649, df=8
How big is the difference?	
Mean of column A	10.26
Mean of column B	10.37
Difference between means (B - A) ± SEM	0.1146 ± 1.498
95% confidence interval	-3.341 to 3.570
R squared (eta squared)	0.0007309
F test to compare variances	
F, DFn, Dfd	I .024,
P value	0.9823
P value summary	ns
Significantly different (P < 0.05)?	No
Data analyzed	
Sample size, column A	5
Sample size, column B	5

Table S4. Analysis of SOD activity

Table Analyzed	**SOD**
Column B	experiment
vs.	vs.
Column A	control
Unpaired t test	
P value	<0.0001
P value summary	
Significantly different (P < 0.05)?	Yes
One- or two-tailed P value?	Two-tailed
t, df	t=8.460, df=8
How big is the difference?	
Mean of column A	3.189
Mean of column B	56.02
Difference between means (B - A) ± SEM	52.84 ± 6.245
95% confidence interval	38.43 to 67.24
R squared (eta squared)	0.8995
F test to compare variances	
F, DFn, Dfd	713.6, 4, 4
P value	<0.0001
P value summary	
Significantly different (P < 0.05)?	Yes
Data analyzed	
Sample size, column A	5
Sample size, column B	5

Table S5. Analysis of Catalase activity

Table Analyzed	**Catalase**
Column B	experiment
vs.	vs.
Column A	control
Unpaired t test	
P value	<0.0001
P value summary	
Significantly different (P < 0.05)?	Yes
One- or two-tailed P value?	Two-tailed
t, df	t=21.70, df=12
How big is the difference?	
Mean of column A	39.87
Mean of column B	54.57
Difference between means (B - A) ± SEM	14.70 ± 0.6775
95% confidence interval	13.22 to 16.18
R squared (eta squared)	0.9751
F test to compare variances	
F, DFn, Dfd	2.263, 6, 6
P value	0.3435
P value summary	ns
Significantly different (P < 0.05)?	No
Data analyzed	
Sample size, column A	7
Sample size, column B	7