

## Supplementary Information

**Table S1.** Composition of the experimental diets and freeze-dried Brussels chicory.

	AIN-93G diet	Chicory-supplemented diet
Ingredient (g/kg)		
Freeze-dried Brussels chicory	0	5
protein		0.981
fat		0.155
carbohydrate		2.280
crude fiber		0.923
moisture		0.087
Phenolic acids		
protocatechuic acid		0.029
gallic acid		0.028
caffeic acid		0.003
5-caffeoylquinic acid		0.128
caftaric acid		0.020
chicoric acid		0.049
Sesquiterpene lactones		
lactucin		0.001
11 $\beta$ ,13-dihydrolactucin		0.005
lactucopicrin		0.007
11 $\beta$ ,13-dihydrolactucopicrin		0.0005
Casein	200	199.019
Corn starch	397.486	395.206
Maltodextrin	132	132
Sucrose	100	100
Soybean oil	70	69.845
Cellulose	50	49.077
AIN-93G mineral mix	35	35
AIN-93G vitamin mix	10	10
L-cystine	3	3
Choline bitartrate	2.5	2.5
Tert-butylhydroquinone	0.014	0.014

**Table S2. Primers for qRT-PCR.**

Genes	Primer sequences
<i>Nox1</i> -Forward	GGTTGGGGCTGAACATTTTTC
<i>Nox1</i> -Reverse	TCGACACACAGGAATCAGGAT
<i>Nox2</i> -Forward	CCTTTGGTACAGCCAGTGAAGA
<i>Nox2</i> -Reverse	CAATCCCGGCTCCCACTAACATC
<i>Nox4</i> -Forward	GAAGGGGTAAACACCTCTGC
<i>Nox4</i> -Reverse	ATGCTCTGCTTAAACACAATCCT
<i>eNOS</i> -Forward	GGCTGGGTTTAGGGCTGTG
<i>eNOS</i> -Reverse	CTGAGGGTGTCGTAGGTGATG
<i>Xo</i> -Forward	ATGACGAGGACAACGGTAGAT
<i>Xo</i> -Reverse	TCATACTTGGAGATCATCACGGT
<i>Sod1</i> -Forward	AACCAGTTGTGTTGTCAGGAC
<i>Sod1</i> -Reverse	CCACCATGTTTCTTAGAGTGAGG
<i>Cat</i> -Forward	AGCGACCAGATGAAGCAGTG
<i>Cat</i> -Reverse	TCCGCTCTCTGTCAAAGTGTG
<i>Gpx1</i> -Forward	AGTCCACCGTGTATGCCTTCT
<i>Gpx1</i> -Reverse	GAGACGCGACATTCTCAATGA