

Supplemental Material:

The WMI Rat of Premature Cognitive Aging Presents Intrinsic Vulnerability to Oxidative Stress in Primary Neurons and Astrocytes Compared to Its Nearly Isogenic WLI Control

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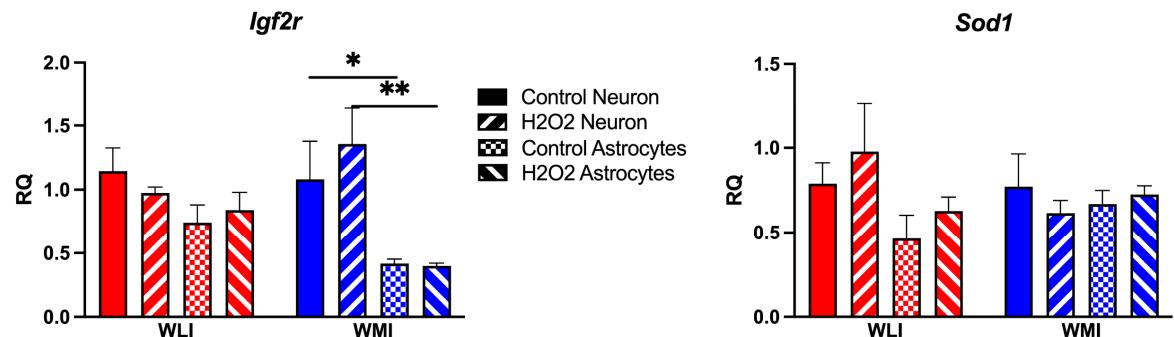
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Supplemental Table 1. Primer sequences for quantitative RT-PCR

Gene		Sequence 5'-3'
<i>Igf2</i>	<i>F</i>	TCA GCA AGT GCC TAA AGA ATG G
	<i>R</i>	TGG GTG GAT GTC CAG TCA AA
<i>Igf2r</i>	<i>F</i>	CAG TGG GTG ACT CAC TTT TGA GAA
	<i>R</i>	GCC CGT AGT GGT GTT AAA TTC C
<i>Cat</i>	<i>F</i>	CAG GGA TGC GAT GTT GTT TCC
	<i>R</i>	AAG GTG TGT GAG CCA TAG CC
<i>Sod1</i>	<i>F</i>	CAG AAG GCA AGC GGT GAA C
	<i>R</i>	CCA TGC TCG CCT TCA GTT AAT C
<i>Gpx1</i>	<i>F</i>	TCA GTT CGG ACA TCA GGA GAA T
	<i>R</i>	TCA CCA TTC ACC TCG CAC TT
<i>Gpx2</i>	<i>F</i>	TCG CTT ACA TCG CCA AGT CT
	<i>R</i>	CCT CAT TCT GAC AGT TCT CCT GA
<i>Psen1</i>	<i>F</i>	TTG ATC GGC CTG TGC CTT A
	<i>R</i>	CCG GCA ACG CCT TCT TGA
<i>Snca</i>	<i>F</i>	GAT GGG CAA GGG TGA AGA AG
	<i>R</i>	GCT AGG GTC CAC AGG CAT GT
<i>Sncg</i>	<i>F</i>	AAG TGT AAC CTC GGT GGC TG
	<i>R</i>	TCT TGC TCT TTG GCC TCC TG
<i>Mt-co1</i>	<i>F</i>	ATT GGA GGC TTC GGG AAC TG
	<i>R</i>	AGA TAG AAG ACA CCC CGG CT
<i>Mt-co2</i>	<i>F</i>	TGG CTT ACA AGA CGC CAC AT
	<i>R</i>	TGG GCG TCT ATT GTG CTT GT
<i>Mt-co3</i>	<i>F</i>	AAG GCC ACC ACA CCC CTA TT
	<i>R</i>	TAA TTC CTG TTG GGG GTC AGC
<i>Mt-nd3</i>	<i>F</i>	GAC CAA CAA GTT CTG CAC GC
	<i>R</i>	AGG GGG AGT AGT AAG GCG AT
<i>Gapdh</i>	<i>F</i>	CAA CTC CCT CAA GAT TGT CAG CAA
	<i>R</i>	GGC ATG GAC TGT GGT CAT GA



Supplemental Figure 1. *Igf2r* and *Sod1* transcript levels did not change in response to 50mM H₂O₂ treatment. WMI hippocampal neurons expressed greater levels of *Igf2r* compared to WMI astrocytes. Values are mean +/- SEM from n=3-4/strain/cell type/treatment. *p<0.05, **p<0.01, comparisons as marked.