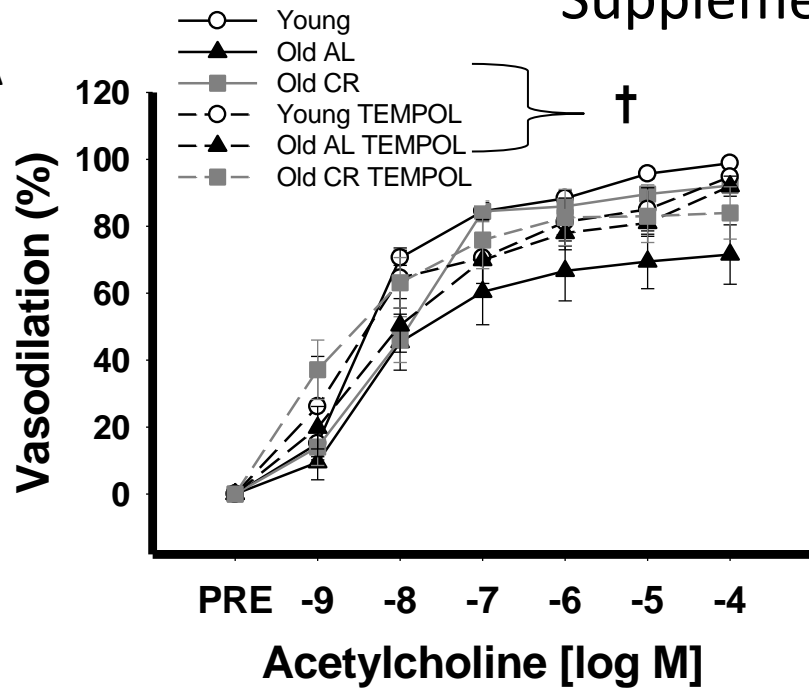
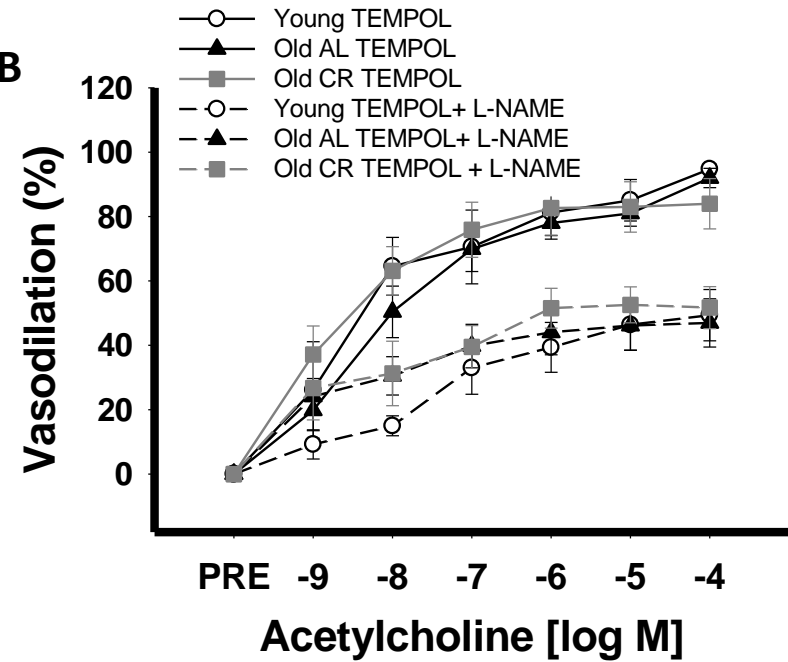


Supplemental Figure 1

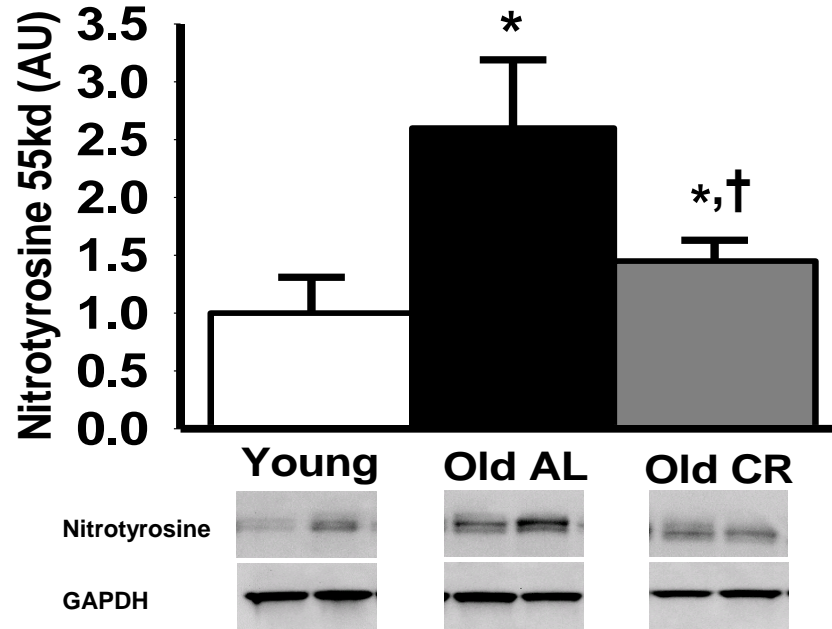
A



B



C



Supplemental Figure 2

NIH-31/NIA Fortified Diet & NIH31 Average Nutrient Composition

Page 2

Ingredients:

Ground wheat, ground corn, ground oats, wheat middlings, fish meal, soybean meal, corn gluten meal, dehydrated alfalfa meal, soybean oil, dicalcium phosphate, brewers dried yeast, salt, calcium carbonate, choline chloride, menadione sodium bisulfite complex (source of vitamin K activity), thiamine mononitrate, calcium pantothenate, vitamin E supplement, vitamin A acetate, riboflavin, vitamin B12 supplement, niacin, vitamin D3 supplement, pyridoxine HCL, folic acid, biotin, magnesium oxide, ferrous sulfate, manganous oxide, copper sulfate, zinc oxide, calcium iodate, cobalt carbonate.

Average Nutrient Composition

		<u>NIH-31/NIA Fortified</u>	<u>NIH-31</u>
Protein	%	18.74	18.42
Fat	%	4.41	4.47
Fiber	%	4.58	4.05
Ash	%	6.51	6.64
Nitrogen-Free Extract	%	55.04	55.91
Gross Energy	kcal/g	3.95	4.02
Digestible Energy	kcal/g	3.36	--
Metabolizable Energy	kcal/g	3.07	--
Linoleic Acid	%	1.79	--
Moisture	%	--	10.51

Amino Acids

		<u>NIH-31/NIA Fortified</u>	<u>NIH-31</u>
Arginine	%	1.10	1.06
Methionine	%	0.36	0.39
Histidine	%	0.42	0.41
Leucine	%	1.50	1.61
Lysine	%	0.96	0.95
Tryptophan	%	0.22	0.24
Valine	%	0.88	0.96
Cystine	%	0.26	0.28
Isoleucine	%	0.76	0.90
Threonine	%	0.71	0.71
Pherylalanine	%	1.53	Pherylalanine 0.92
+Tyrosine			Tyrosine 0.70

Minerals

		<u>NIH-31/NIA Fortified</u>	<u>NIH-31</u>
Calcium	%	1.03	1.06
Phosphorus	%	0.93	0.92
Sodium	%	0.30	0.26
Chlorine	%	0.48	0.42
Potassium	%	0.59	0.59
Magnesium	%	0.20	0.20
Iron	mg/Kg	336.41	300.20
Maganese	mg/Kg	156.01	152.80
Zinc	mg/Kg	48.41	50.40
Copper	mg/Kg	13.28	13.20
Iodine	mg/Kg	2.01	1.94
Cobalt	mg/Kg	0.53	0.53
Selenium	mg/Kg	0.30	--

Vitamins

		<u>NIH-31/NIA Fortified</u>	<u>NIH-31</u>
Vitamin A	IU/g	40.49	--
Vitamin A3	IU/g	--	30.73
Vitamin D3	IU/g	7.00	4.19
Vitamin E	mg/Kg	52.15	38.30
Choline	mg/g	2.60	1.96
Niacin	mg/Kg	116.16	92.20
Pantothenic Acid	mg/Kg	55.07	39.50
Pyridoxine	mg/Kg	13.16	10.20
Riboflavin	mg/Kg	11.04	7.80
Thiamine	mg/Kg	123.44	77.30
Menadione	mg/Kg	111.01	22.00
Folic Acid	mg/Kg	2.13	1.70
Biotin	mg/Kg	0.38	0.13
Vitamin B12	mcg/Kg	93.80	53.00
Vitamin C	mg/g	--	--
Carotene	mg/Kg	--	--