Additional file 4. Tissue GSH, GSSG and GSH/GSSG ratios from Ames dwarf and wild type mice.

Values represent mean ± SEM (n). P values represent results of a two-way ANOVA.

Genotype tissue	Dwarf 0.16%	Wild type 0.16%	Dwarf 0.43%	Wild type 0.43%	Dwarf 1.3%	Wild type 1.3%	P value		
							Genotype	diet	interaction
Liver GSH (n)	1499 ± 35 (13)	1123 ± 65 (13)	1789 ±77 (12)	2824 ± 123 (12)	1740 ± 84 (11)	2677 ± 121 (13)	<.0001	<.0001	<.0001
Liver GSSG (n)	29.3 ± 1.9 (13)	30.5 ± 2.7 (13)	21.3 ± 1.0 (12)	44.8 ±4.1 (12)	28.6 ± 3.5 (11)	46.4 ± 4.5 (13)	.0001	.0207	.0307
Liver GSH:GSSG	54.2 ± 4.3 (13)	38.9 ± 2.4 (13)	57.5 ± 2.6 (12)	69.8 ± 7.6 (12)	71.9 ± 10.0 (11)	63.8 ± 6.4 (13)	.4537	.0015	.0652
Kidney GSH (n)	23.07 ± 3.3 (16)	15.11 ± 0.5 (16)	39.9 ± 3.4 (12)	32.08 ± 3.0 (11)	29.66 ± 2.8 (11)	21.29 ± 1.4 (13)	.0003	<.0001	.9953
Kidney GSSG (n)	7.15 ± 0.3 (12)	6.48 ± 0.3 (16)	6.09 ± 0.4 (12)	6.18 ± 0.4 (11)	7.15 ± 0.6 (10)	6.91 ± 0.6 (13)	.5138	.2061	.7409
Kidney GSH:GSSG	3.54 ± 0.5 (12)	2.45 ± 0.2 (16)	6.93 ± 0.8 (12)	6.31 ± 1.1 (11)	4.39 ± 0.4 (10)	3.25 ± 0.3 (13)	.0702	<.0001	.9157
Skeletal Muscle GSH (n)	182.06 ± 9.5 (16)	190.68 ± 9.0 (15)	180.73 ± 7.3 (12)	204.77 ± 6.2 (14)	174.98 ± 5.8 (11)	186.91 ± 7.7 (13)	.0279	.3758	.6014
Skeletal Muscle GSSG (n)	21.29 ± 1.0 (16)	19.27 ± 1.5 (16)	17.75 ± 1.3 (12)	18.8 ± 0.8 (12)	18.25 ± 0.8 (11)	15.87 ± 1.2 (13)	.2653	.0230	.3157
Skeletal Muscle GSH:GSSG	8.85 ± 0.7 (16)	10.64 ± 1.0 (15)	10.79 ± 0.9 (12)	10.86 ± 0.4 (12)	9.76 ± 0.5 (11)	12.90 ± 1.3 (13)	.0228	.1709	.2502