

Supplementary Information

Four-week individual caging of male ICR mice alters body composition without change in body mass.

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Supplementary table S1. Mass, BMC, BMD, lean and fat tissue measurements of group caged mice.

S1

Mouse number	Mass (g)	BMC (g)	BMD (g/cm²)	Lean (g)	Fat (g)
1	46.2	1.23	0.107	37.1	7.91
2	47.2	1.27	0.103	40.3	5.65
3	47.9	1.18	0.106	36.9	9.78
4	47.5	1.30	0.107	37.4	8.83
5	42.3	1.20	0.108	36.6	4.42
6	45.6	1.22	0.108	37.2	7.12
7	45.8	1.19	0.106	36.5	8.08
8	40.9	1.12	0.099	33.9	5.89
9	50.7	1.46	0.110	41.2	8.05
10	46.8	1.32	0.106	38.6	6.93
11	46.7	1.23	0.104	38.4	7.10
12	47.7	1.38	0.107	39.1	7.21

Supplementary table S2. Mass, BMC, BMD, lean and fat tissue measurements of individually caged mice.

S2

Mouse number	Mass (g)	BMC (g)	BMD (g/cm²)	Lean (g)	Fat (g)
1	48.0	1.24	0.106	35.0	11.8
2	45.3	1.15	0.107	32.6	11.6
3	53.0	1.38	0.109	40.7	10.9
4	48.3	1.26	0.100	37.5	9.6
5	43.6	1.15	0.100	33.8	8.6
6	48.5	1.26	0.105	36.7	10.6
7	47.0	1.20	0.099	39.0	6.8
8	44.2	1.16	0.101	35.3	7.7
9	46.5	1.18	0.095	38.0	7.4
10	48.3	1.20	0.097	38.9	8.2

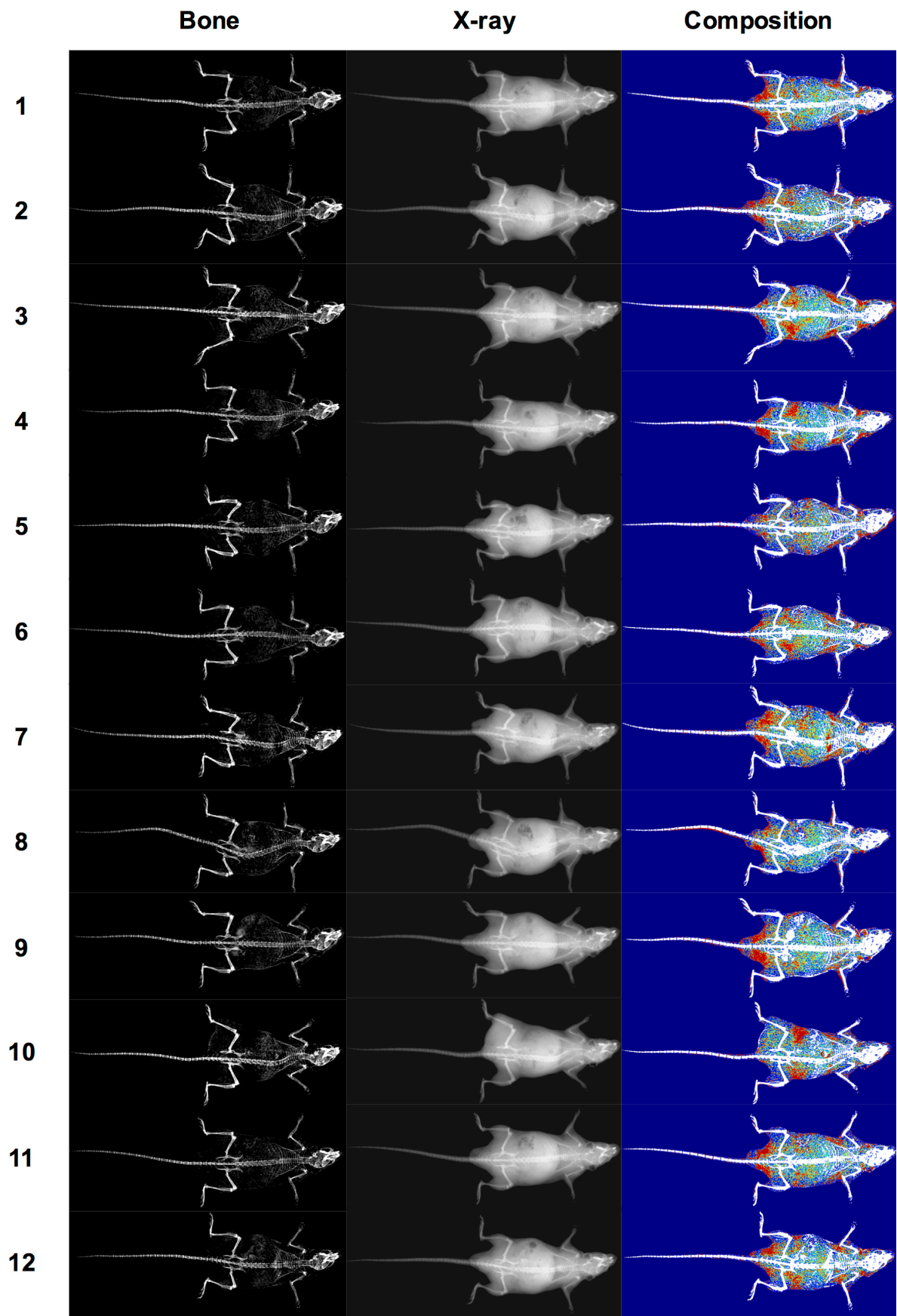
Supplementary table S3. Mean $\pm$ SEM of mass, BMC, BMD, lean and fat tissue in group caged and individually caged mice.

S3

	Mass (g)	BMC (g)	BMD (g/cm²)	Lean (g)	Fat (g)
Group caging	46.3 $\pm$ 0.741	1.26 $\pm$ 0.027	0.106 $\pm$ 0.001	37.8 $\pm$ 0.550	7.25 $\pm$ 0.420
Individual caging	47.3 $\pm$ 0.848	1.22 $\pm$ 0.022	0.102 $\pm$ 0.002	36.7 $\pm$ 0.806	9.31 $\pm$ 0.577

Supplementary figure S1. Bone, X-ray and body composition images of group caged mice. DXA analysis images of mice.

S1



Supplementary figure S2. Bone, X-ray and body composition images of individually caged mice. DXA analysis images of mice.

S2

