

**Supplementary Table 1. Body weight and metabolic parameters of HFD fed DIO mice compared to chow fed controls.**

	<b>DIO (N=8)</b>	<b>Control (N=8)</b>	<b>t-test</b>
<b>Body weight</b>	47.4±0.4g	30.8±0.5g	p=0.0001
<b>Leptin</b>	74.0±5.7ng/mL	6.7±1.4ng/mL	p=0.0001
<b>Glucose (fed)</b>	207.8±6.8mg/dL	184.1±6.6mg/dL	p=0.0263
<b>Glucose (fasted)</b>	153.4±10.6mg/dL	82.3±4.6mg/dL	p=0.0098
<b>Insulin (fed)</b>	14.3±1.9ng/mL	0.5±0.1ng/mL	p=0.0001
<b>Insulin (fasted)</b>	2.4±0.2ng/mL	0.4±0.1ng/mL	p=0.0017

**Supplementary Table 2. Body weight of continually HFD fed DIO mice compared to chow fed controls and DIO mice after 4 weeks of calorie restriction.**

	<b>DIO (N=6)</b>	<b>DIO v Chow t-test</b>	<b>Chow (N=8)</b>	<b>DIO then CR (N=5)</b>	<b>Chow v DIO then CR t-test</b>
<b>Body weight</b>	45.3±1.5g	p=0.0001	34.2±0.6g	32.5 ±0.8g	p=0.0956