

Table S1. Parameters measured in male and female mice of control, 7CafD and 17CafD groups at 27 weeks of age.

I. Lipid metabolism				
1. Weight parameters	Body weight, relative WAT and liver weight			
2. Blood parameters	leptin, adiponectin, triglycerides, FFA, cholesterol			
3. Hepatic parameters	triglycerides			
4. Gene expression	Liver	Muscle	WAT	BAT
▪ Fatty acid oxidation	<i>Ppara, Ppargc1, Cpt1a</i>	<i>Cpt1β, Ucp3</i>	<i>Pparγ, Ppargc1, Cpt1α</i>	
▪ Lipolysis			<i>Lipe, Pnpla2</i>	
▪ Lipogenesis	<i>Fasn, Acca, Accb</i>		<i>Fasn, Lpl</i>	
▪ Lipoprotein synthesis	<i>Apob</i>			
II. Carbohydrate metabolism				
1. Blood parameters	glucose, insulin			
2. Hepatic parameters	glycogen			
3. Gene expression	Liver	Muscle	WAT	BAT
▪ Insulin signaling	<i>Insr, Irs1, Irs2</i>	<i>Insr, Irs1, Irs2, Slc2a4</i>	<i>Insr, Slc2a4</i>	
▪ Glycolysis	<i>Gck, Pklr</i>			
▪ Gluconeogenesis	<i>Pck1, G6pc</i>			
III. Thermogenesis				
1. Weight parameters	relative BAT			
2. Gene expression	Liver	Muscle	WAT	BAT
▪ Thermogenesis			<i>Ucp1, Dio2</i>	<i>Ucp1, Dio2</i>
▪ Fatty acid oxidation				<i>Pparγ, Cpt1β</i>
IV. FGF21 system activity				
1. Blood parameters	FGF21			
2. Gene expression	Liver	Muscle	WAT	BAT
▪ FGF21 system activity	<i>Fgf21, Klb</i>	<i>Fgf21, Klb</i>	<i>Fgf21, Klb</i>	<i>Fgf21, Klb</i>