

TABLE S2**List of primers and PCR conditions**

Gene	Species	Primers	PCR conditions	Ref
Glucose-6-phosphatase	Mouse	F: 5'-GACTCCCAGGACTGGTTCAT-3' R: 5'-GGGCGTTGTCCAAACAGAAT 3'	95°C 3 min, 1 cycle 95°C 30s, 53°C 30s, 40 cycles 72°C 30s	(1)
Fructose-1,6-bisphosphatase	Mouse	F: 5'-TCAACTGCTTCATGCTGGAC-3' R: 5'-GGGTCAAAGTCCTTGGCATA-3'	95°C 3 min, 1 cycle 95°C 30s, 58°C 30s, 40 cycles 72°C 30s	(2)
Phosphoenolpyruvate carboxykinase	Mouse	F: 5'-GTCTATGAAGCCCTCAGCT-3' R: 5'-AAGAAGGGTCGCATGGCAA-3'	95°C 3 min, 1 cycle 95°C 30s, 59°C 30s, 40 cycles 72°C 30s	(1)
Glycogen synthase 2	Mouse	F: 5'-CCAGCTTGACAAGTTGACA-3' R: 5'-ATCAGGCTTCCTCTTCAGCA-3'	95°C 3 min, 1 cycle 95°C 30s, 59°C 30s, 40 cycles 72°C 30s	(3)
GAPDH	Mouse	F: 5'-TGGAGAAACCTGCCAAGTATGA-3' R: 5'-GAAGAGTGGGAGTTGCTGTTGA-3'	According to PCR conditions of the 4 genes analyzed	(4)

1. Chen N, Liu L, Zhang Y, Ginsberg HN, Yu YH: Whole-body insulin resistance in the absence of obesity in FVB mice with overexpression of Dgat1 in adipose tissue. *Diabetes* 2005;54:3379-3386
2. Pittala S, Krelin Y, Kuperman Y, Shoshan-Barmatz V: A Mitochondrial VDAC1-Based Peptide Greatly Suppresses Steatosis and NASH-Associated Pathologies in a Mouse Model. *Mol Ther* 2019;27:1848-1862
3. Doi R, Oishi K, Ishida N: CLOCK regulates circadian rhythms of hepatic glycogen synthesis through transcriptional activation of Gys2. *J Biol Chem* 2010;285:22114-22121
4. Skrypnyk NI, Gist KM, Okamura K, Montford JR, You Z, Yang H, Moldovan R, Bodoni E, Blaine JT, Edelstein CL, Soranno DE, Kirkbride-Romeo LA, Griffin BR, Altmann C, Faubel S: IL-6-mediated hepatocyte production is the primary source of plasma and urine neutrophil gelatinase-associated lipocalin during acute kidney injury. *Kidney Int* 2020;97:966-979