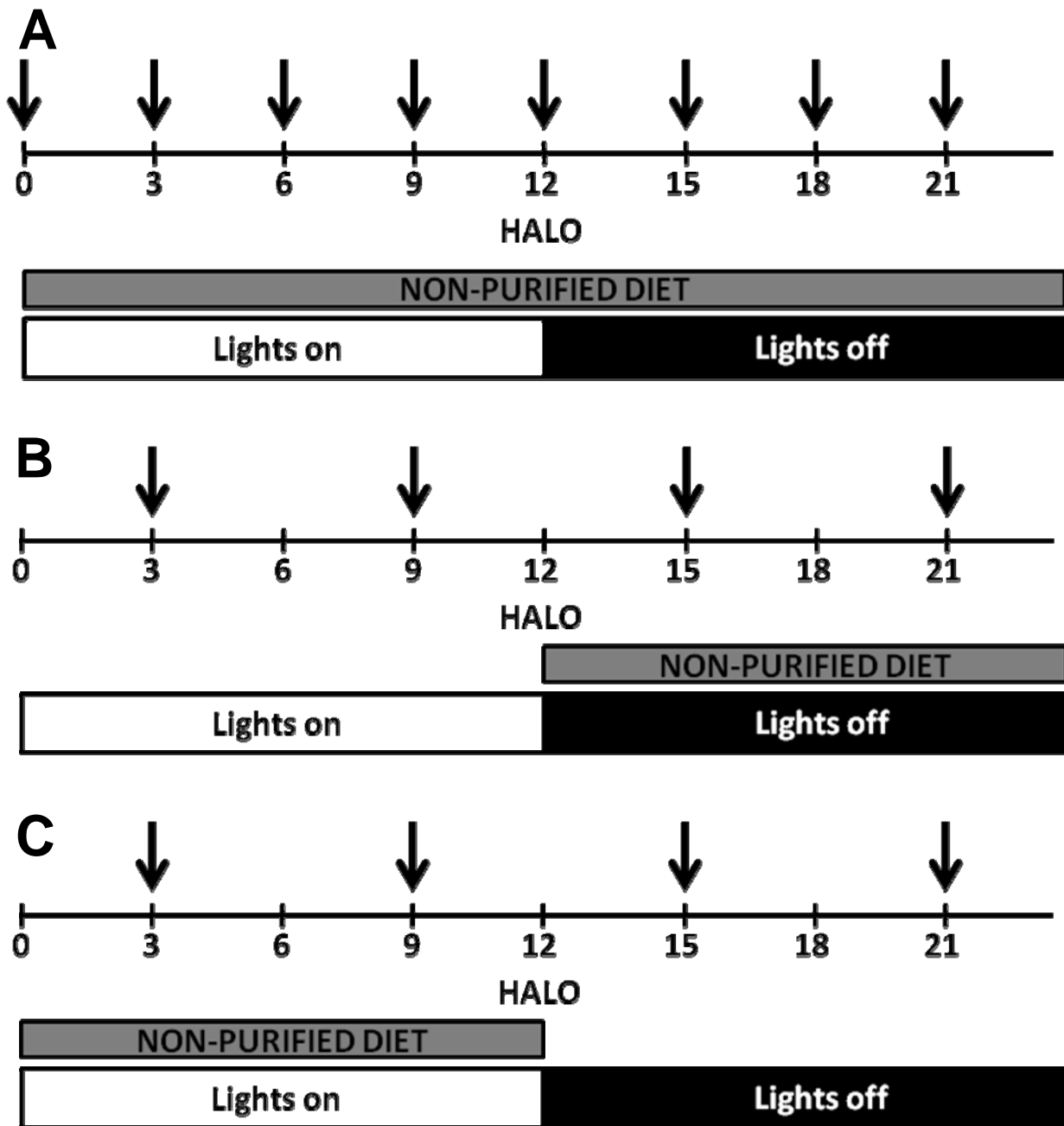
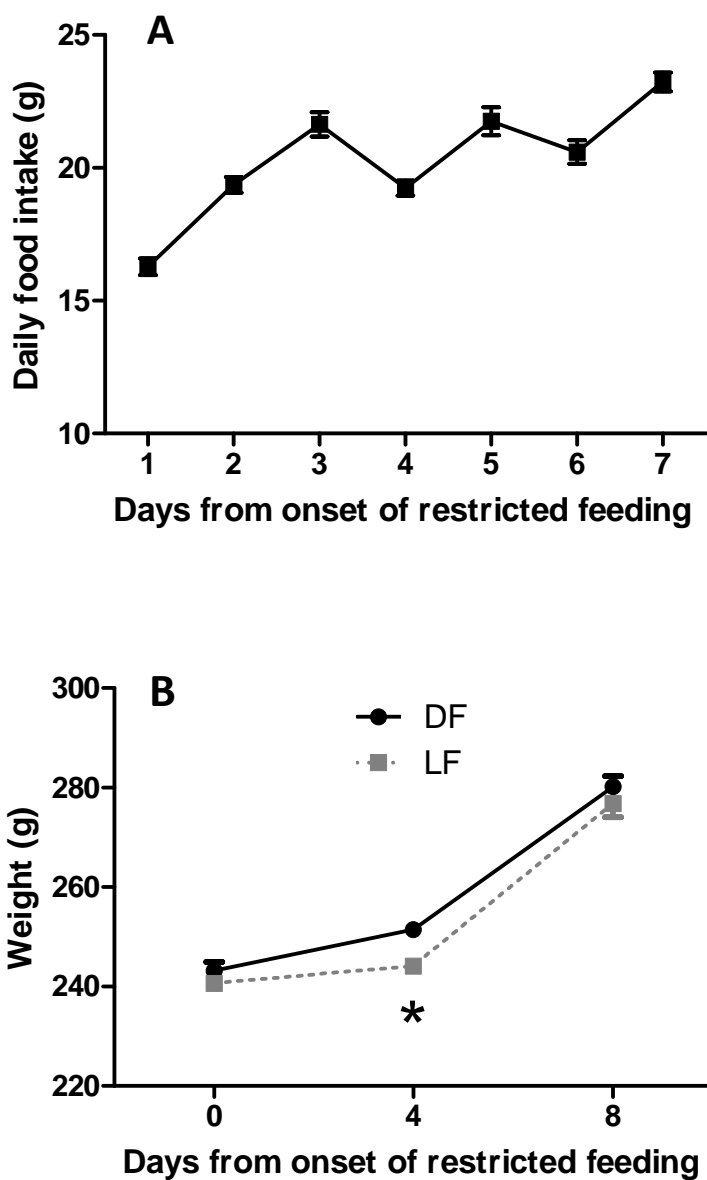


Supplemental figure 1:



Supplemental Figure 1: Schematic showing light cycle, time of food availability, and harvest times (black arrows) in AL (A), DF (B) and LF (C) rats.

Supplemental figure 2:



Supplemental Figure 2: Daily food intake in LF rats (A) and body weight in LF and DF rats (B). Values are means \pm SEM, n=25 (A) and 25 per group (B). The mean food intake of LF rats was offered to DF rats so intakes did not differ. In (B), *Different from DF at that time, $p < 0.05$.

Supplemental table 1:

Gene	Primer sequence
<i>Per1</i>	5' CGCACTTCGGGAGCTCAAACCTC 3'
	3' GTCCATGGCACAGGGCTCACC 5'
<i>Bmall</i>	5' TCCGATGACGAACTGAAACAC 3'
	3' CTCGGTCACATCCTACGACAA 5'
<i>Clock</i>	5' TTCGATCACAGCCCAACTCC 3'
	3' ACCTCCGCTGTGTCATCTTCTC 5'
<i>Reverb A</i>	5' TAGGCACCTCACCTGGCAACT 3'
	3' GCACTGTGGAGTGGTAGCCG 5'
<i>Reverb B</i>	5' TTTTGAGGTTTTAATGGTGCG 3'
	3' GTGACAGTCCGCTCCTTTGC 5'
<i>Cry1</i>	5' GGGAAGCGCCCAAGTCAGGAAG 3'
	3' CCTCCCGCATGCTTTCATATC 5'
<i>Cry2</i>	5' TTCAGAAGGCCGCTAATTGC 3'
	3' AGATCTGCTTCATCCGCTCAA 5'
<i>Sglt1</i>	5' CCAAGCCCATCCCAGACGTACACC 3'
	5' _CTTCCTTAGTCATCTTCGGTCCTT 3'
<i>B-actin</i>	5' GGATCAGCAAGCAGGAGTACGA 3'
	3' AACGCAGCTCAGTAACAGTCCG 5'

Supplemental Table 1: qPCR primers for rat clock genes, the sodium glucose co-transporter *Sglt1* and *B-actin*. Thermal cycler conditions used were 2 min 50°C; 10 min 95°C; followed by 40 cycles of 15 s at 95°C and 1 min 60°C. Dissociation curves were obtained to ensure a single amplicon.