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Supplemental Information

**Leptin Mediates a Glucose-Fatty Acid Cycle
to Maintain Glucose Homeostasis in Starvation**

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Fasting time (hr)	Fast start	Refeed start	Fast start	Sacrifice
0	12:00 (Day 0)	12:00 (Day 1)	N/A	14:00 (Day 1)
1	11:00 (Day 0)	11:00 (Day 1)	13:00 (Day 1)	14:00 (Day 1)
6	6:00 (Day 0)	6:00 (Day 1)	8:00 (Day 1)	14:00 (Day 1)
7	5:00 (Day 0)	5:00 (Day 1)	7:00 (Day 1)	14:00 (Day 1)
8	4:00 (Day 0)	4:00 (Day 1)	6:00 (Day 1)	14:00 (Day 1)
16	20:00 (Day 0)	20:00 (Day 1)	22:00 (Day 1)	14:00 (Day 2)
17	19:00 (Day 0)	19:00 (Day 1)	21:00 (Day 1)	14:00 (Day 3)
47	13:00 (Day 0)	13:00 (Day 1)	15:00 (Day 1)	14:00 (Day 3)
48	12:00 (Day 0)	12:00 (Day 1)	14:00 (Day 1)	14:00 (Day 3)

Table S1. Fasting, refeeding, and fasting timelines.