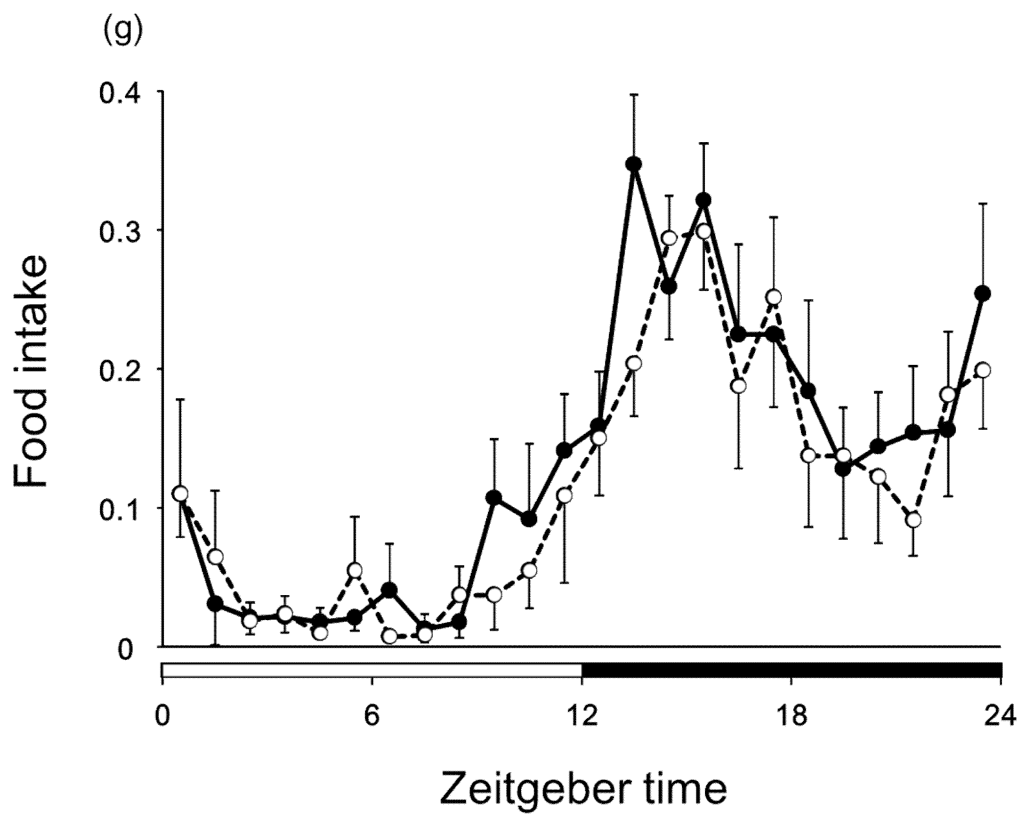
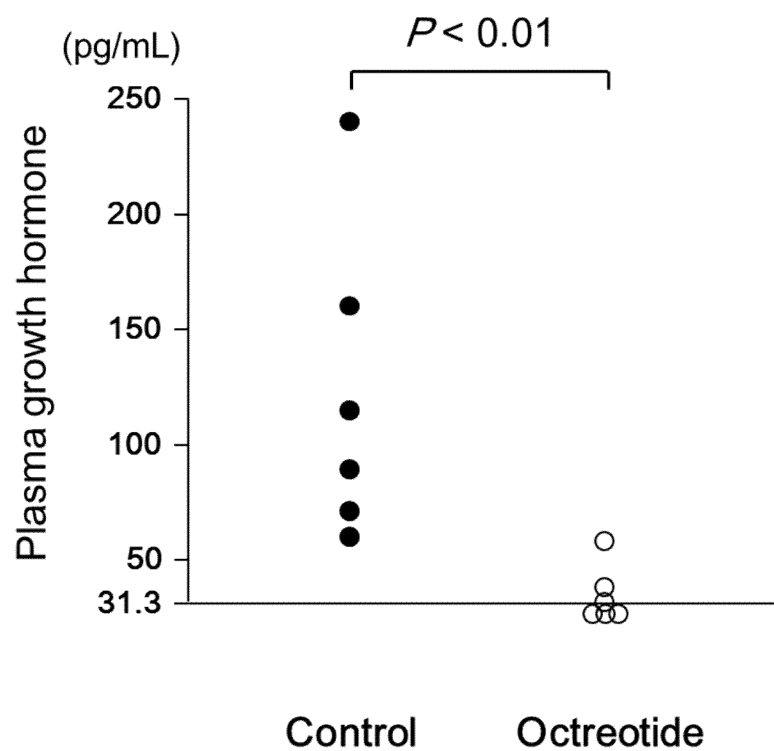


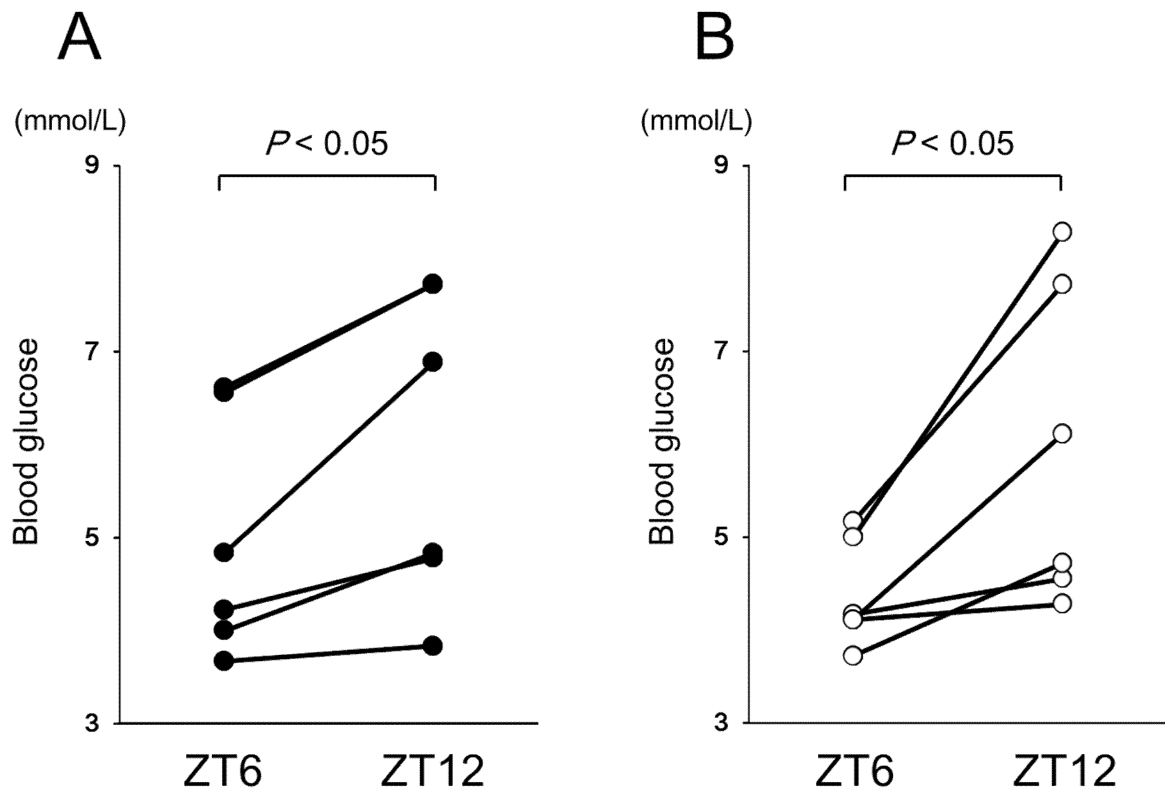
Supplemental Figure 1. Daily feeding rhythms in control and *L-Bmal1* $-/-$ mice. Food intake of control ($n = 5$, black circles and solid lines) and *L-Bmal1* $-/-$ mice ($n = 4$, white circles and dashed lines) was measured every 1 h for 48 h using a cFDM-300SS system (Melquest, Toyama, Japan). Results are presented as means and SE of the combined data from the first and second days ($n = 10$ and 8 , respectively).



Supplemental Figure 2. Effect of octreotide on plasma growth hormone concentrations in C57BL/6J mice. Mice ($n = 12$) were divided into two groups: those injected with octreotide (white circles) or saline (black circles) intramuscularly at ZT 12 and then fasted for 24 h. Plasma samples were obtained at the end of the fasting period (ZT 12).



Supplemental Figure 3. FBG change during the latter half of the resting phase in control (A) and octreotide-pretreated mice (B). Mice ($n = 12$) were divided into two groups: those injected with octreotide or saline intramuscularly at ZT 12 and then fasted for 24 h. Blood glucose levels were measured at ZT 6 and 12 (the end of the fasting period).



Supplemental Table 1. TaqMan Gene Expression Assays used in this study.

Gene	GenBank accession number	Assay ID	Target exons
<i>Clock</i>	NM_007715.5	Mm00455950_m1	15–16
<i>Bmal1</i>	NM_007489.4	Mm00500222_m1	7–8
<i>Cry1</i>	NM_007771.3	Mm00514392_m1	1–2
<i>Per1</i>	NM_011065.4	Mm00501813_m1	18–19
<i>Per2</i>	NM_011066.3	Mm00478113_m1	19–20
<i>Dbp</i>	NM_016974.3	Mm 00497539_m1	1–2
<i>Pgc1</i>	NM_008904.2	Mm01208835_m1	7–8
<i>Pepck</i>	NM_011044.2	Mm01247058_m1	8–9
<i>G6Pase</i>	NM_008061.3	Mm00839363_m1	3–4
<i>Glut2</i>	NM_031197.2	Mm00446224_m1	4–5
<i>Rplp0</i>	NM_007475.5	Mm00725448_s1	7–7
<i>Gapdh</i>	NM_008084.2	Mm99999915_g1	2–3

Supplemental Table 2. Effects of octreotide on mRNA expression levels of the clock and glucose production-related genes in the liver of C57BL/6J mice.

Gene	Control	Octreotide	P
<i>Clock</i>	1 ± 0.19	1.00 ± 0.16	0.98
<i>Bmal1</i>	1 ± 0.31	1.05 ± 0.52	0.84
<i>Cry1</i>	1 ± 0.15	0.93 ± 0.24	0.53
<i>Per1</i>	1 ± 0.22	1.08 ± 0.15	0.50
<i>Per2</i>	1 ± 0.18	0.94 ± 0.12	0.51
<i>Dbp</i>	1 ± 0.33	0.89 ± 0.23	0.52
<i>Pgc1</i>	1 ± 0.10	1.22 ± 0.50	0.32
<i>Pepck</i>	1 ± 0.12	1.06 ± 0.24	0.61
<i>G6Pase</i>	1 ± 0.21	0.99 ± 0.28	0.95
<i>Glut2</i>	1 ± 0.10	1.03 ± 0.13	0.61

Liver samples were obtained at ZT 12. The data obtained by real-time PCR were analyzed using the comparative threshold cycle method. Because treatment with octreotide affected the *Rplp0* mRNA expression, *Gapdh* was used as an endogenous control. Data are means ± SD of 6 mice and expressed relative to the mean value in the control group.