

Figure S1. Comparison of 1 h cumulative food intake under 12 h freely fed and time restricted feeding states. The rats were administered with vehicle, *O-n*-octanoylated ghrelin (0.1 nmol/rat, ICV), LEAP-2 (3 nmol/rat, ICV), and *O-n*-octanoylated ghrelin (0.1 nmol/rat, ICV) + pre-treatment with LEAP-2 (3 nmol/rat, ICV). The sample size for each experimental group under each feeding state was 12 rats. LEAP-2: liver-expressed antimicrobial peptide-2; ICV: intracerebroventricular injection. * $p < 0.05$ vs. vehicle + vehicle, # $p < 0.05$ vs. vehicle + ghrelin.

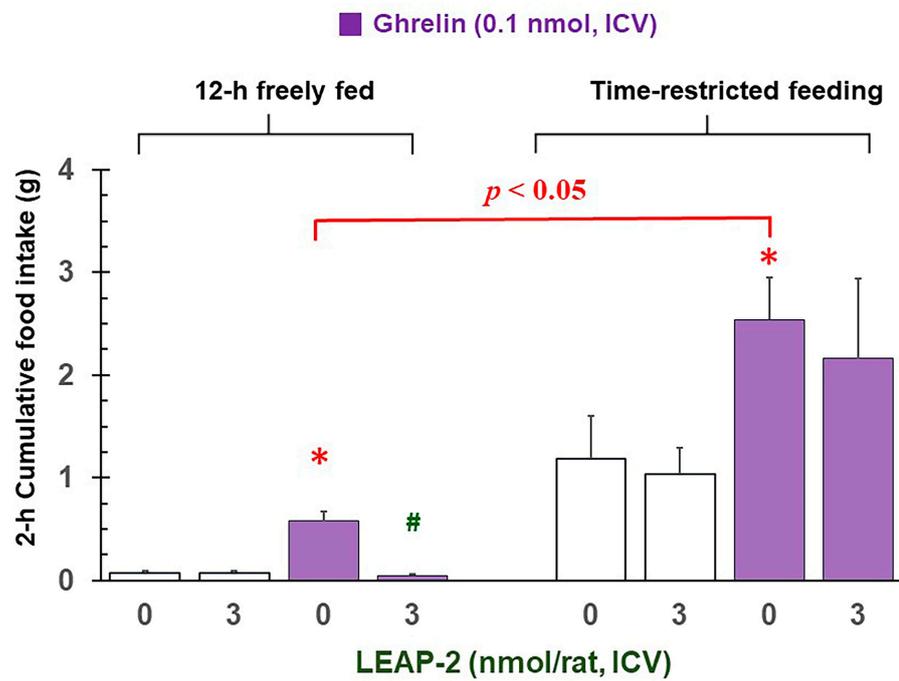


Figure S2. Comparison of 2 h cumulative food intake under 12 h freely fed and time restricted feeding states. The rats were administered with vehicle, *O-n*-octanoylated ghrelin (0.1 nmol/rat, ICV), LEAP-2 (3 nmol/rat, ICV), and *O-n*-octanoylated ghrelin (0.1 nmol/rat, ICV) + pre-treatment with LEAP-2 (3 nmol/rat, ICV). The sample size for each experimental group under each feeding state was 12 rats. LEAP-2: liver-expressed antimicrobial peptide-2; ICV: intracerebroventricular injection. **p* < 0.05 vs. vehicle + vehicle, #*p* < 0.05 vs. vehicle + ghrelin.

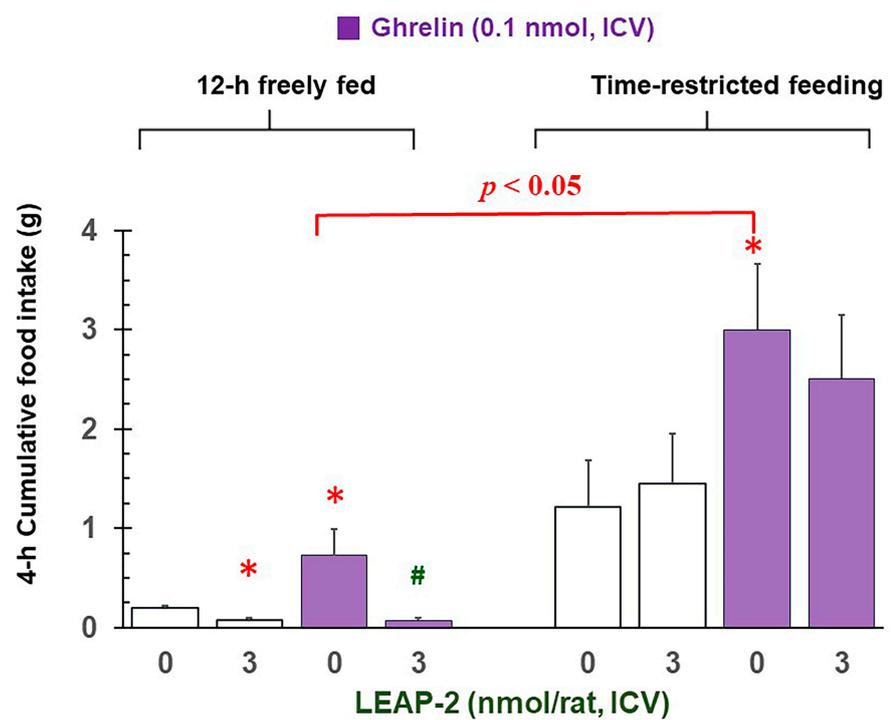


Figure S3. Comparison of 4 h cumulative food intake under 12 h freely fed and time restricted feeding states. The rats were administered with vehicle, *O*-*n*-octanoylated ghrelin (0.1 nmol/rat, ICV), LEAP-2 (3 nmol/rat, ICV), and *O*-*n*-octanoylated ghrelin (0.1 nmol/rat, ICV) + pre-treatment with LEAP-2 (3 nmol/rat, ICV). The sample size for each experimental group under each feeding state was 12 rats. LEAP-2: liver-expressed antimicrobial peptide-2; ICV: intracerebroventricular injection. * $p < 0.05$ vs. vehicle + vehicle, # $p < 0.05$ vs. vehicle + ghrelin.