**Supplemental Table S1.** Diet and nutrient composition of the experimental diet.

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| **Item** | **Composition** |
| Ingredients (g/kg DM) |  |
|  Corn silage1 | 40.3 |
|  Alfalfa haylage2 | 19.3 |
|  Canola meal | 13.2 |
|  Ground corn | 12.6 |
|  Roasted soybeans | 4.6 |
|  Molasses | 3.8 |
|  Grass hay/straw3 | 3.3 |
|  Vitamin/mineral mix4 | 2.5 |
|  Non-protein nitrogen5 |  0.40 |
|  |  |
| Nutrients (g/kg DM) |  |
|  NDF |  32.5 |
|  ADF | 22.2 |
|  CP | 16.8 |
|  Ash |  6.9 |

1Contained (g/kg DM): 6.8 CP, 36.4 NDF, 22.8 ADF.
2Contained (g/kg DM): 20.3 CP, 47.6 NDF, 41.6 ADF.

3Contained (g/kg DM): 9.2 CP, 70.9 NDF, 43.4 ADF.

4Contained (g/kg, as-fed basis): 36.8 Calcium carbonate; 29.0 dried corn distillers grains; 24.9 salt; 4.2 magnesium oxide (54 Mg); 2.5 organic phosphorus (15 P); 1 zinc sulfate; 0.5 mineral oil. Composition (DM-basis): 10.6% CP; 43.2% NDF; 7.0% ADF; 14.4% Ca; 0.75% P; 15.1% Cl; 0.28% K; 2.5% Mg; 0.5% S; 9.8% Na; 23.0 mg/kg Co; 651 mg/kg Cu; 796 mg/kg Fe; 54.0 mg/kg I; 1190 mg/kg Mn; 12.8 mg/kg Se; 3434 mg/kg Zn; 195,290 IU/kg vitamin A (retinyl acetate); 62,500 vitamin D (activated 7-dehydrocholesterol); 1864 IU/kg vitamin E (dl-α tocopheryl acetate).

5Fed as coated urea (Optigen, Alltech Inc., Lexington, KY; 259% CP, DM basis).

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**Supplemental Figure S1.** Effect of day- versus night-restricted feeding on eating behavior. Treatments were feed available for 16 h during the day [day-restricted feeding (DRF); feed from 0700 to 2300] or feed available for 16 during the night [night-restricted feeding (NRF); feed from 1900 to 1100]. Data are presented as LSM with SEM bars. Panels show effect of day vs. night-restricted feeding on A. average meal size (kg), B. average meal length and intermeal interval (min), C. eating time (min/d), D. average number of meal bouts per day, E. eating rate (kg/min), and F. hunger and satiety ratios. Hunger ratio = meal size/preceding intermeal interval (kg/min). Satiety ratio = meal size/post-meal interval (kg/min).