**Supplementary Table S1.** Nutrient, fiber, and energy content of the feed ingredients as well as intended percentages of silage and concentrate in the diets fed to the dairy cows postpartum

|  |  |
| --- | --- |
|  | Feeding component1 |
| Item | Corn silage | Grass silage | HC | LC |
| DM (g/kg) | 368 | 289 | 885 | 883 |
| Ash (g/kg of DM) | 37 | 138 | 53 | 66 |
| CP (g/kg of DM) | 80 | 159 | 218 | 210 |
| EE2 (g/kg of DM) | 32 | 40 | 29 | 27 |
| ADF (g/kg of DM) | 223 | 311 | 52 | 53 |
| NDF (g/kg of DM) | 424 | 514 | 146 | 163 |
| ME (MJ/kg of DM) | 10.73 | 10.83 | 13.14 | 12.94 |
| NEL(MJ/kg of DM) | 6.43 | 6.53 | 8.34 | 8.24 |
| % in HC diet | 24 | 16 | 60 | — |
| % in LC diet | 42 | 28 | — | 30 |
| 1HC = high concentrate group fed a diet with 60:40 concentrate-to-roughage ratio; LC = low concentrate group fed a diet with 30:70 concentrate-to roughage ratio.2EE = ether extract (crude fat).3Calculation based on nutrient digestibility measured with wethers.4Calculation based on analyzed nutrient contents and tabulated values of apparent digestibility. |