**Supplementary Table S6.** Ingredient composition (fresh weight basis; g/kg) of high- concentrate and mixed forage: concentrate diets

|  |  |  |
| --- | --- | --- |
| Ingredient | High concentrate(Conc) | Mixed forage:concentrate (Med) |
| Barley straw | 81 | 0 |
| Grass silage | 0 | 413 |
| Whole crop barley silage | 0 | 340 |
| Barley grain | 688 | 156 |
| Maize distillers dark grains | 200 | 86 |
| Molasses | 20 | 0 |
| Minerals-vitamin supplement\* | 10 | 5 |

\*Contained (mg/kg): Fe, 6036; Mn, 2200; Zn, 2600; Iodine, 200; Co, 90; Cu, 2500; Se 30; (µg/kg): vitamin E, 2000; vitamin B12, 1000; vitamin A, 151515; vitamin D, 2500