

Supplementary Table S2. Principal Component Analysis of silage variables: correlations between the Principal Components and the original variables.

Variables	CP 1	CP 2
pH	-0,44	-0,24
LAB	0,15	0,52
TMB	0,44	0,44
Yeast	0,03	0,42
RSs	-0,3	-0,49
N-NH3	0,02	0,42
Lactate	-0,06	0,68
Acetate	-0,79	0,27
L:A	0,87	0,03
Ethanol	0,05	0,46
Total acids	-0,29	0,69
TPC	0,42	0,68
DMLOSS	-0,52	0,31
OM	0,38	0,06
CP	-0,28	0,05
aNDF	0,84	0,48
ADF	0,89	0,18
ADL	0,13	0,07
Hemic	0,46	0,75
Cell	0,88	0,13
IVDMD	-0,87	0,08
IvdNDF	0,02	0,73
IvNDFD	-0,39	0,37
IsdNDF	0,63	-0,26
IsNDFD	0,54	-0,49
IsdADF	0,56	-0,57
IsADFD	0,48	-0,7

LAB: Lactic acid bacteria. TMB: Total mesophilic bacteria. DM: dry matter. OM: Organic matter. CP: crude protein. RSs: Reducing sugars. L:A: Lactic: acetic ratio. TPC: total phenolic compounds. DM: Dry matter. ADIN: Acid detergent insoluble nitrogen. aNDF: neutral detergent fiber, expressed inclusive of residual ash. ADF: acid detergent fiber. ADL: Acid detergent lignin. Cell: Cellulose. Hemic: Hemicellulose. IvdMD: *In vitro* dry matter true digestibility. Is/IvdNDF: *In situ/in vitro* digestible aNDF, respectively. Is/IvNDFD: *In situ/in vitro* aNDF digestibility, respectively. IsdADF: *In situ* digestible ADF. IsADFD: *In situ* ADF digestibility.