

SUPPLEMENTARY 1

TABLE S1. The pH values of the various samples measured on days 0, 3, 5, 12, 22 and 30 of silage fermentation.

| Sample No: | pH VALUES | | | | | |
|------------|-----------|-------|-------|--------|--------|--------|
| | Day 0 | Day 3 | Day 5 | Day 12 | Day 22 | Day 30 |
| 1 | 5.04 | 5.07 | 5.02 | 4.33 | 4.22 | 4.53 |
| 2 | 5.00 | 5.14 | 4.86 | 4.38 | 4.38 | 4.58 |
| 3 | 4.99 | 5.08 | 4.73 | 4.34 | 4.37 | 4.59 |
| 4 | 5.04 | 4.88 | 4.55 | 4.37 | 4.44 | 4.58 |
| 5 | 5.14 | 5.17 | 4.54 | 4.29 | 4.41 | 4.56 |
| 6 | 5.03 | 5.11 | 4.44 | 4.25 | 4.42 | 4.58 |
| 7 | 5.07 | 4.91 | 4.58 | 4.36 | 4.38 | 4.57 |
| 8 | 5.15 | 4.94 | 4.35 | 4.42 | 4.32 | 4.50 |
| 9 | 5.09 | 4.93 | 4.46 | 4.41 | 4.28 | 4.30 |
| 10 | 5.08 | 5.02 | 4.41 | 4.36 | 4.31 | 4.44 |
| 11 | 5.04 | 5.01 | 4.38 | 4.38 | 4.36 | 4.40 |
| 12 | 5.01 | 4.64 | 4.52 | 4.40 | 4.53 | 4.56 |
| 13 | 5.01 | 4.82 | 4.48 | 4.30 | 4.44 | 4.49 |
| 14 | 4.94 | 4.81 | 4.29 | 4.31 | 4.42 | 4.48 |
| 15 | 4.86 | 4.71 | 4.41 | 4.34 | 4.44 | 4.48 |
| 16 | 4.97 | 4.78 | 4.43 | 4.36 | 4.43 | 4.47 |
| 17 | 4.95 | 4.99 | 4.70 | 4.32 | 4.37 | 4.35 |
| 18 | 4.91 | 4.94 | 4.52 | 4.42 | 4.44 | 4.45 |
| 19 | 4.98 | 4.72 | 4.41 | 4.39 | 4.37 | 4.36 |
| 20 | 4.99 | 4.71 | 4.37 | 4.33 | 4.39 | 4.33 |
| 21 | 5.10 | 4.85 | 4.41 | 4.36 | 4.45 | 4.31 |
| 22 | 5.08 | 4.64 | 4.39 | 4.35 | 4.52 | 4.52 |
| 23 | 4.85 | 4.63 | 4.38 | 4.32 | 4.41 | 4.45 |
| 24 | 4.9 | 4.63 | 4.38 | 4.32 | 4.31 | 4.35 |
| 25 | 4.93 | 4.59 | 4.38 | 4.35 | 4.4 | 4.45 |
| 26 | 4.94 | 4.57 | 4.37 | 4.28 | 4.34 | 4.35 |
| 27 | 5.04 | 4.54 | 4.35 | 4.26 | 4.29 | 4.3 |
| 28 | 4.96 | 4.53 | 4.33 | 4.34 | 4.33 | 4.37 |
| 29 | 4.99 | 4.61 | 4.35 | 4.27 | 4.25 | 4.26 |
| 30 | 4.95 | 4.84 | 4.56 | 4.30 | 4.27 | 4.33 |
| 31 | 4.84 | 4.92 | 4.46 | 4.34 | 4.40 | 4.44 |
| 32 | 4.79 | 5.24 | 4.42 | 4.27 | 4.41 | 4.46 |
| 33 | 4.96 | 5.05 | 4.40 | 4.33 | 4.43 | 4.47 |
| 34 | 4.96 | 5.05 | 4.37 | 4.31 | 4.41 | 4.45 |

TABLE S1 (Continued). The pH values of the various samples measured on days 0, 3, 5, 12, 22 and 30 of silage fermentation.

| | pH VALUES | | | | | |
|---------------------|------------------|--------------|--------------|---------------|---------------|---------------|
| Sample No: | Day 0 | Day 3 | Day 5 | Day 12 | Day 22 | Day 30 |
| 35 | 5.00 | 4.81 | 4.36 | 4.34 | 4.39 | 4.40 |
| 36 | 4.89 | 4.84 | 4.42 | 4.32 | 4.40 | 4.45 |
| 37 | 5.08 | 4.99 | 4.35 | 4.27 | 4.29 | 4.35 |
| 38 | 5.08 | 5.01 | 4.37 | 4.31 | 4.32 | 4.35 |
| 39 | 4.76 | 4.82 | 4.29 | 4.29 | 4.46 | 4.54 |
| 40 | 4.99 | 4.87 | 4.34 | 4.28 | 4.39 | 4.43 |
| 41 | 4.95 | 4.81 | 4.36 | 4.29 | 4.38 | 4.47 |
| 42 | 4.83 | 4.83 | 4.26 | 4.26 | 4.44 | 4.52 |
| 43 | 4.98 | 4.64 | 4.18 | 4.25 | 4.37 | 4.51 |
| 44 | 4.90 | 4.52 | 4.23 | 4.28 | 4.30 | 4.42 |
| 45 | 5.02 | 4.71 | 4.21 | 4.28 | 4.32 | 4.36 |
| 46 | 4.95 | 4.58 | 4.18 | 4.28 | 4.45 | 4.56 |
| 47 | 4.95 | 4.65 | 4.26 | 4.26 | 4.52 | 4.57 |
| 48 | 5.05 | 4.62 | 4.16 | 4.24 | 4.44 | 4.48 |
| 49 | 5.01 | 4.81 | 4.21 | 4.28 | 4.43 | 4.51 |
| 50 | 5.06 | 4.62 | 4.24 | 4.28 | 4.39 | 4.43 |
| 51 | 4.93 | 4.54 | 4.29 | 4.29 | 4.41 | 4.4 |
| 52 | 4.96 | 4.48 | 4.21 | 4.28 | 4.41 | 4.45 |
| 53 | 5.00 | 4.47 | 4.20 | 4.22 | 4.46 | 4.52 |
| 54 | 4.95 | 4.41 | 4.19 | 4.27 | 4.41 | 4.49 |
| 55 | 4.81 | 4.43 | 4.26 | 4.27 | 4.46 | 4.46 |
| 56 | 5.01 | 4.47 | 4.31 | 4.31 | 4.50 | 4.48 |
| 57 | 5.32 | 4.54 | 4.16 | 4.28 | 4.49 | 4.51 |
| 58 | 5.23 | 4.41 | 4.23 | 4.26 | 4.41 | 4.41 |
| 59 | 5.34 | 4.42 | 4.19 | 4.2 | 4.51 | 4.49 |
| 60 | 5.23 | 4.43 | 4.3 | 4.25 | 4.43 | 4.45 |
| 61 | 5.41 | 4.55 | 4.14 | 4.23 | 4.39 | 4.42 |
| 62 | 5.31 | 4.42 | 4.07 | 4.25 | 4.41 | 4.42 |
| 63 | 5.23 | 4.36 | 4.13 | 4.31 | 4.42 | 4.41 |
| 64 | 5.52 | 4.37 | 4.18 | 4.25 | 4.40 | 4.43 |
| 65 | 5.46 | 4.37 | 4.14 | 4.23 | 4.37 | 4.48 |
| 66 | 5.80 | 4.37 | 4.2 | 4.2 | 4.45 | 4.48 |
| 67 (control) | 5.87 | 4.38 | 4.23 | 4.2 | 4.21 | 4.26 |

TABLE S2. Total acidity expressed as % lactic acid for the samples taken on days 0, 3, 5, 12, 22 and 30 of silage fermentation.

| | Total acidity (% lactic acid w/v) | | | | | |
|-------------------|--|--------------|--------------|---------------|---------------|---------------|
| Sample No: | Day 0 | Day 3 | Day 5 | Day 12 | Day 22 | Day 30 |
| 1 | 0.360 | 0.630 | 1.580 | 2.475 | 2.385 | 2.610 |
| 2 | 0.360 | 0.630 | 1.305 | 2.070 | 2.025 | 2.250 |
| 3 | 0.360 | 0.585 | 1.395 | 2.115 | 2.250 | 2.295 |
| 4 | 0.360 | 0.765 | 1.530 | 2.160 | 2.250 | 2.160 |
| 5 | 0.320 | 0.675 | 1.440 | 2.070 | 2.475 | 2.520 |
| 6 | 0.360 | 0.810 | 2.295 | 2.070 | 2.295 | 2.520 |
| 7 | 0.360 | 0.810 | 1.458 | 2.160 | 2.115 | 2.610 |
| 8 | 0.360 | 0.855 | 1.530 | 2.250 | 2.385 | 2.700 |
| 9 | 0.360 | 0.900 | 1.580 | 2.205 | 2.475 | 2.745 |
| 10 | 0.360 | 0.630 | 1.395 | 2.025 | 2.070 | 2.520 |
| 11 | 0.360 | 0.855 | 1.665 | 2.295 | 2.565 | 2.745 |
| 12 | 0.360 | 0.855 | 1.485 | 2.790 | 2.925 | 3.105 |
| 13 | 0.360 | 0.765 | 1.710 | 2.610 | 2.790 | 2.880 |
| 14 | 0.400 | 0.765 | 1.395 | 1.980 | 2.115 | 1.980 |
| 15 | 0.400 | 0.810 | 1.440 | 2.070 | 2.115 | 2.250 |
| 16 | 0.400 | 0.810 | 1.350 | 1.890 | 1.845 | 2.070 |
| 17 | 0.400 | 0.675 | 1.395 | 1.350 | 2.025 | 2.070 |
| 18 | 0.400 | 0.630 | 1.485 | 2.070 | 2.025 | 1.845 |
| 19 | 0.400 | 0.990 | 1.530 | 2.025 | 2.160 | 2.430 |
| 20 | 0.400 | 0.945 | 1.710 | 1.980 | 2.160 | 2.205 |
| 21 | 0.360 | 0.990 | 1.530 | 2.340 | 2.385 | 2.520 |
| 22 | 0.360 | 0.810 | 1.440 | 1.800 | 2.025 | 2.385 |
| 23 | 0.360 | 0.855 | 1.440 | 1.800 | 2.115 | 2.250 |
| 24 | 0.360 | 0.900 | 1.485 | 1.890 | 2.070 | 2.070 |
| 25 | 0.360 | 0.765 | 1.395 | 1.935 | 2.115 | 2.115 |
| 26 | 0.360 | 1.170 | 1.350 | 2.070 | 2.160 | 2.025 |
| 27 | 0.360 | 1.035 | 1.530 | 2.070 | 2.430 | 2.385 |
| 28 | 0.360 | 1.125 | 1.485 | 2.385 | 2.295 | 2.520 |
| 29 | 0.360 | 0.990 | 1.755 | 2.160 | 2.340 | 2.340 |
| 30 | 0.400 | 0.720 | 1.305 | 1.980 | 2.115 | 2.205 |
| 31 | 0.360 | 0.630 | 1.350 | 2.070 | 2.115 | 2.385 |
| 32 | 0.360 | 0.540 | 1.440 | 2.025 | 2.070 | 2.115 |
| 33 | 0.360 | 0.630 | 1.260 | 1.845 | 2.115 | 2.115 |
| 34 | 0.360 | 0.630 | 1.530 | 2.090 | 2.070 | 2.070 |

TABLE S2 (Continued). Total acidity expressed as % lactic acid for the samples taken on days 0, 3, 5, 12, 22 and 30 of silage fermentation.

| | Total acidity (% lactic acid w/v) | | | | | |
|-------------------|-----------------------------------|-------|-------|--------|--------|--------|
| Sample No: | Day 0 | Day 3 | Day 5 | Day 12 | Day 22 | Day 30 |
| 36 | 0.360 | 0.765 | 1.350 | 1.890 | 2.610 | 2.340 |
| 37 | 0.360 | 0.630 | 1.575 | 2.115 | 2.565 | 2.385 |
| 38 | 0.360 | 0.630 | 1.395 | 1.980 | 2.115 | 2.205 |
| 39 | 0.460 | 0.720 | 1.395 | 1.980 | 2.430 | 2.340 |
| 40 | 0.360 | 0.675 | 1.530 | 1.890 | 2.025 | 1.890 |
| 41 | 0.360 | 0.720 | 1.395 | 1.935 | 2.160 | 1.980 |
| 42 | 0.360 | 0.765 | 1.395 | 1.845 | 2.025 | 2.205 |
| 43 | 0.360 | 1.080 | 1.485 | 1.980 | 2.025 | 2.250 |
| 44 | 0.360 | 1.035 | 1.530 | 1.890 | 2.115 | 2.160 |
| 45 | 0.360 | 1.035 | 1.485 | 1.890 | 2.340 | 2.070 |
| 46 | 0.360 | 0.900 | 1.215 | 1.890 | 2.295 | 2.070 |
| 47 | 0.360 | 0.810 | 1.305 | 1.980 | 1.980 | 2.025 |
| 48 | 0.360 | 0.810 | 1.440 | 2.025 | 2.115 | 2.025 |
| 49 | 0.360 | 0.675 | 1.350 | 1.890 | 1.980 | 2.115 |
| 50 | 0.360 | 0.855 | 1.305 | 1.890 | 1.845 | 2.070 |
| 51 | 0.360 | 0.990 | 1.485 | 2.070 | 2.070 | 2.025 |
| 52 | 0.360 | 0.900 | 1.260 | 1.890 | 1.980 | 2.070 |
| 53 | 0.360 | 0.810 | 1.395 | 2.090 | 2.025 | 2.250 |
| 54 | 0.360 | 0.810 | 1.710 | 2.025 | 1.935 | 2.025 |
| 55 | 0.360 | 0.990 | 1.305 | 2.025 | 2.025 | 2.115 |
| 56 | 0.360 | 0.810 | 1.350 | 2.090 | 2.090 | 2.025 |
| 57 | 0.270 | 0.855 | 1.395 | 1.890 | 2.115 | 2.520 |
| 58 | 0.270 | 0.990 | 1.440 | 1.980 | 2.025 | 2.160 |
| 59 | 0.270 | 0.855 | 1.305 | 2.610 | 1.935 | 1.980 |
| 60 | 0.270 | 0.900 | 1.530 | 1.980 | 2.160 | 2.025 |
| 61 | 0.270 | 0.990 | 1.530 | 2.340 | 2.250 | 2.250 |
| 62 | 0.270 | 0.945 | 1.485 | 1.980 | 2.025 | 1.980 |
| 63 | 0.270 | 0.990 | 1.530 | 2.090 | 2.090 | 2.070 |
| 64 | 0.270 | 1.080 | 1.440 | 1.980 | 2.115 | 2.115 |
| 65 | 0.270 | 1.035 | 1.485 | 2.025 | 2.025 | 2.115 |
| 66 | 0.270 | 0.945 | 1.440 | 2.610 | 2.340 | 2.340 |
| 67 control | 0.270 | 0.855 | 1.215 | 2.610 | 2.070 | 2.025 |

TABLE S3. Total Lactic acid bacteria count for the samples taken at different sampling times (on days 0. 3. 5.12. 22 and 30) of silage fermentation.

| | Lactic acid bacteria cfu/gr | | | | | |
|------------|-----------------------------|-------|-------|--------|--------|--------|
| Sample No: | Day 0 | Day 3 | Day 5 | Day 12 | Day 22 | Day 30 |
| 1 | 7.4 | 8.5 | 9.4 | 8.7 | 7.5 | 8.4 |
| 2 | 7.4 | 8.4 | 8.6 | 7.5 | 5.2 | 5.8 |
| 3 | 6.5 | 7.6 | 7.7 | 7.4 | 5.3 | 5.0 |
| 4 | 7.5 | 8.1 | 8.4 | 7.9 | 5.1 | 4.5 |
| 5 | 6.8 | 7.9 | 8.2 | 7.3 | 4.9 | 4.4 |
| 6 | 6.4 | 6.8 | 8.2 | 7.0 | 5.4 | 5.0 |
| 7 | 6.0 | 6.4 | 8.1 | 7.6 | 5.2 | 4.7 |
| 8 | 6.7 | 7.0 | 8.0 | 7.7 | 4.8 | 4.6 |
| 9 | 6.0 | 6.3 | 7.5 | 7.5 | 6.2 | 4.9 |
| 10 | 7.5 | 8.2 | 8.1 | 7.8 | 6.6 | 6.2 |
| 11 | 7.4 | 7.8 | 7.9 | 8.6 | 4.3 | 6.5 |
| 12 | 7.8 | 8.7 | 8.2 | 8.5 | 5.2 | 4.3 |
| 13 | 7.6 | 8.2 | 8.0 | 7.5 | 5.1 | 4.1 |
| 14 | 7.6 | 8.3 | 8.6 | 7.6 | 5.5 | 5.8 |
| 15 | 7.3 | 8.0 | 8.8 | 7.6 | 6.2 | 4.6 |
| 16 | 7.7 | 8.2 | 8.8 | 7.3 | 6.2 | 6.0 |
| 17 | 7.0 | 7.1 | 9.1 | 7.7 | 5.4 | 5.5 |
| 18 | 6.9 | 7.1 | 8.6 | 7.9 | 6.1 | 4.4 |
| 19 | 7.8 | 8.1 | 8.4 | 8.8 | 6.2 | 4.5 |
| 20 | 7.5 | 7.9 | 8.4 | 8.0 | 6.0 | 5.8 |
| 21 | 7.8 | 8.2 | 8.8 | 7.8 | 6.4 | 6.0 |
| 22 | 7.6 | 8.8 | 8.5 | 8.2 | 6.1 | 5.3 |
| 23 | 7.4 | 8.5 | 8.7 | 7.9 | 6.4 | 5.7 |
| 24 | 6.9 | 7.8 | 8.9 | 7.8 | 6.3 | 5.3 |
| 25 | 7.7 | 8.3 | 8.5 | 8.1 | 5.4 | 5.0 |
| 26 | 7.5 | 8.3 | 8.8 | 8.0 | 6.1 | 5.7 |
| 27 | 7.2 | 7.9 | 8.6 | 8.3 | 5.6 | 6.0 |
| 28 | 7.7 | 8.2 | 8.9 | 7.6 | 6.0 | 6.9 |
| 29 | 7.4 | 8.1 | 8.8 | 8.1 | 5.6 | 6.2 |
| 30 | 6.8 | 7.0 | 8.8 | 8.0 | 5.3 | 6.7 |
| 31 | 7.9 | 8.7 | 8.3 | 7.5 | 6.3 | 4.7 |
| 32 | 7.6 | 8.3 | 8.2 | 7.4 | 6.3 | 5.5 |
| 33 | 7.2 | 7.7 | 8.4 | 8.5 | 5.0 | 5.9 |
| 34 | 7.1 | 7.6 | 8.6 | 8.1 | 5.7 | 4.3 |

TABLE S3 (Continued). Total Lactic acid bacteria count for the samples taken at different sampling times (on days 0. 3. 5.12. 22 and 30) of silage fermentation.

| | Lactic acid bacteria cfu/gr | | | | | |
|------------|-----------------------------|-------|-------|--------|--------|--------|
| Sample No: | Day 0 | Day 3 | Day 5 | Day 12 | Day 22 | Day 30 |
| 35 | 7.3 | 8.0 | 8.7 | 7.6 | 5.6 | 4.2 |
| 36 | 6.6 | 7.1 | 8.6 | 7.3 | 5.3 | 5.0 |
| 37 | 6.8 | 7.3 | 8.6 | 9.8 | 6.3 | 6.0 |
| 38 | 6.0 | 6.6 | 8.4 | 8.9 | 6.3 | 5.0 |
| 39 | 7.6 | 8.7 | 8.3 | 8.1 | 5.0 | 5.5 |
| 40 | 7.1 | 7.8 | 8.6 | 7.7 | 5.7 | 4.3 |
| 41 | 7.0 | 7.7 | 8.5 | 7.8 | 6.0 | 5.3 |
| 42 | 7.3 | 7.9 | 8.8 | 8.0 | 6.0 | 5.3 |
| 43 | 7.7 | 8.2 | 9.6 | 7.5 | 5.7 | 5.5 |
| 44 | 7.1 | 8.0 | 9.3 | 7.6 | 5.7 | 5.3 |
| 45 | 7.0 | 7.7 | 9.9 | 7.8 | 6.6 | 5.7 |
| 46 | 7.5 | 8.2 | 8.7 | 7.6 | 5.8 | 5.5 |
| 47 | 7.1 | 7.8 | 9.0 | 7.8 | 5.9 | 5.6 |
| 48 | 6.9 | 7.3 | 8.8 | 7.5 | 5.4 | 5.5 |
| 49 | 6.8 | 7.3 | 8.7 | 7.8 | 5.6 | 4.1 |
| 50 | 6.9 | 7.1 | 8.6 | 7.7 | 6.3 | 5.6 |
| 51 | 6.2 | 7.0 | 9.9 | 8.1 | 5.4 | 5.7 |
| 52 | 7.7 | 8.3 | 9.7 | 8.5 | 6.4 | 5.7 |
| 53 | 6.1 | 6.8 | 9.9 | 7.5 | 5.4 | 5.8 |
| 54 | 7.0 | 8.0 | 8.5 | 8.2 | 5.3 | 5.3 |
| 55 | 8.2 | 8.9 | 9.4 | 7.8 | 5.3 | 5.5 |
| 56 | 7.3 | 7.9 | 8.3 | 7.0 | 5.1 | 5.0 |
| 57 | 7.5 | 8.2 | 9.2 | 8.4 | 5.9 | 5.3 |
| 58 | 6.8 | 8.1 | 8.8 | 8.0 | 5.7 | 5.3 |
| 59 | 6.7 | 7.8 | 9.1 | 7.6 | 5.5 | 5.0 |
| 60 | 7.1 | 7.7 | 8.6 | 7.3 | 5.4 | 5.3 |
| 61 | 7.6 | 8.5 | 8.7 | 8.0 | 6.0 | 5.8 |
| 62 | 7.7 | 8.2 | 9.7 | 7.4 | 6.0 | 6.1 |
| 63 | 5.7 | 6.9 | 9.8 | 7.9 | 5.8 | 6.7 |
| 64 | 6.0 | 8.3 | 9.6 | 8.2 | 5.7 | 6.2 |
| 65 | 6.4 | 7.7 | 9.8 | 8.1 | 6.3 | 6.8 |
| 66 | 5.8 | 8.6 | 9.4 | 8.0 | 5.8 | 6.1 |
| 67 control | 5.0 | 8.7 | 8.4 | 7.9 | 5.9 | 5.8 |

Table S4. Total Yeasts and Molds count for the samples taken at different sampling times (on days 0, 3, 5, 12, 22 and 30) of silage fermentation.

| Sample No: | Yeasts and Molds cfu/gr | | | | | |
|------------|-------------------------|-------|-------|--------|--------|--------|
| | Day 0 | Day 3 | Day 5 | Day 12 | Day 22 | Day 30 |
| 1 | 8.5 | 8.3 | 6.8 | 5.5 | 0.5 | 0.1 |
| 2 | 8.5 | 8.3 | 5.6 | 4.5 | 1.3 | 1.6 |
| 3 | 7.9 | 7.4 | 5.5 | 3.5 | 0.5 | 0.1 |
| 4 | 7.8 | 7.6 | 5.5 | 3.3 | 0.5 | 2.3 |
| 5 | 6.2 | 6.9 | 5.3 | 3.3 | 0.5 | 2.0 |
| 6 | 6.7 | 6.5 | 5.0 | 4.0 | 0.5 | 2.0 |
| 7 | 6.5 | 6.3 | 6.3 | 4.8 | 1.8 | 0.1 |
| 8 | 8.3 | 8.0 | 5.0 | 3.2 | 1.0 | 2.0 |
| 9 | 6.8 | 6.6 | 5.3 | 4.5 | 1.3 | 0.1 |
| 10 | 8.1 | 8.0 | 5.0 | 3.1 | 1.6 | 0.1 |
| 11 | 8.0 | 7.8 | 5.7 | 4.5 | 1.5 | 0.1 |
| 12 | 8.5 | 8.4 | 7.1 | 4.0 | 2.7 | 2.0 |
| 13 | 8.2 | 8.1 | 5.5 | 4.5 | 2.3 | 0.1 |
| 14 | 8.4 | 8.3 | 5.3 | 4.6 | 1.3 | 0.1 |
| 15 | 8.0 | 7.9 | 5.0 | 5.3 | 0.5 | 2.0 |
| 16 | 7.1 | 6.9 | 6.5 | 4.8 | 0.5 | 2.3 |
| 17 | 8.3 | 8.1 | 5.8 | 5.1 | 0.5 | 2.0 |
| 18 | 6.0 | 5.5 | 5.3 | 4.6 | 1.0 | 0.1 |
| 19 | 6.7 | 6.4 | 6.1 | 3.6 | 0.5 | 0.1 |
| 20 | 6.8 | 6.5 | 5.9 | 5.0 | 0.5 | 2.0 |
| 21 | 6.9 | 6.6 | 5.0 | 4.3 | 1.0 | 2.3 |
| 22 | 8.8 | 8.7 | 6.9 | 3.6 | 1.3 | 0.1 |
| 23 | 5.9 | 5.8 | 5.7 | 5.8 | 0.5 | 0.1 |
| 24 | 7.0 | 6.9 | 5.8 | 4.3 | 0.5 | 0.1 |
| 25 | 7.1 | 6.9 | 6.0 | 4.7 | 0.5 | 2.0 |
| 26 | 8.9 | 8.8 | 6.4 | 3.7 | 1.0 | 0.1 |
| 27 | 6.0 | 5.3 | 5.9 | 4.5 | 0.5 | 0.1 |
| 28 | 6.2 | 6.0 | 5.0 | 3.7 | 0.5 | 0.1 |
| 29 | 6.7 | 6.7 | 5.3 | 4.0 | 0.5 | 2.0 |
| 30 | 5.5 | 6.8 | 5.9 | 4.5 | 0.5 | 0.1 |
| 31 | 8.5 | 8.4 | 6.6 | 3.5 | 0.5 | 2.0 |
| 32 | 8.5 | 8.3 | 5.9 | 3.5 | 0.5 | 0.1 |
| 33 | 8.3 | 8.5 | 6.0 | 4.8 | 0.5 | 0.1 |
| 34 | 7.5 | 7.1 | 5.3 | 4.8 | 1.5 | 0.1 |

Table S4 (Continued). Total Yeasts and Molds count for the samples taken at different sampling times (on day 0, 3, 5, 12, 22 and 30) of silage fermentation.

| | Yeasts and Molds cfu/gr | | | | | |
|-------------------|-------------------------|-------|-------|--------|--------|--------|
| Sample No: | Day 0 | Day 3 | Day 5 | Day 12 | Day 22 | Day 30 |
| 35 | 7.6 | 7.1 | 6.3 | 3.6 | 1.5 | 2.0 |
| 36 | 6.4 | 6.1 | 5.8 | 3.4 | 0.5 | 0.1 |
| 37 | 7.1 | 7.0 | 5.6 | 4.7 | 0.5 | 0.1 |
| 38 | 5.9 | 5.7 | 5.5 | 4.8 | 2.0 | 2.0 |
| 39 | 8.8 | 6.2 | 6.2 | 4.8 | 1.0 | 0.1 |
| 40 | 7.8 | 7.5 | 6.0 | 5.1 | 2.4 | 0.1 |
| 41 | 8.4 | 8.8 | 6.0 | 4.8 | 0.5 | 0.1 |
| 42 | 6.9 | 6.7 | 5.0 | 5.1 | 0.5 | 0.1 |
| 43 | 7.8 | 6.5 | 6.1 | 5.0 | 1.5 | 0.1 |
| 44 | 8.7 | 6.4 | 5.9 | 4.3 | 1.0 | 0.1 |
| 45 | 8.4 | 6.5 | 6.3 | 4.3 | 1.0 | 2.5 |
| 46 | 8.2 | 7.9 | 5.5 | 3.6 | 1.3 | 2.0 |
| 47 | 8.5 | 7.5 | 7.0 | 3.7 | 0.5 | 0.1 |
| 48 | 5.4 | 6.3 | 5.8 | 4.5 | 0.5 | 2.3 |
| 49 | 6.4 | 6.1 | 5.3 | 4.0 | 2.0 | 0.1 |
| 50 | 6.0 | 5.7 | 6.4 | 5.1 | 2.2 | 0.1 |
| 51 | 7.1 | 6.8 | 6.9 | 4.6 | 1.3 | 2.0 |
| 52 | 8.3 | 8.1 | 7.3 | 5.1 | 2.1 | 3.7 |
| 53 | 6.8 | 6.4 | 6.6 | 5.1 | 1.3 | 2.8 |
| 54 | 7.8 | 5.9 | 5.3 | 5.1 | 1.0 | 0.1 |
| 55 | 7.5 | 7.4 | 6.6 | 5.0 | 1.0 | 2.3 |
| 56 | 7.9 | 7.8 | 5.8 | 5.4 | 1.0 | 0.1 |
| 57 | 8.3 | 8.2 | 6.6 | 4.8 | 1.3 | 0.1 |
| 58 | 6.1 | 5.8 | 5.9 | 3.4 | 2.2 | 0.1 |
| 59 | 6.1 | 6.7 | 5.5 | 5.5 | 0.5 | 2.0 |
| 60 | 7.7 | 6.3 | 6.1 | 4.7 | 0.5 | 2.0 |
| 61 | 8.8 | 7.7 | 7.3 | 4.5 | 0.5 | 0.1 |
| 62 | 7.4 | 7.0 | 7.3 | 5.7 | 4.7 | 0.1 |
| 63 | 8.7 | 6.5 | 5.0 | 5.0 | 0.5 | 0.1 |
| 64 | 7.5 | 7.6 | 5.2 | 4.7 | 1.3 | 2.3 |
| 65 | 7.6 | 6.8 | 6.7 | 5.3 | 0.5 | 0.1 |
| 66 | 7.8 | 7.5 | 5.5 | 5.1 | 1.3 | 2.0 |
| 67 control | 8.4 | 8.1 | 5.1 | 6.3 | 4.4 | 4.6 |