

Supplemental Table S1. Diet Composition for both broiler replications

| Ingredients, % | Units | Starter (0-14 d) | Grower (15-28 d) | Finisher (29-42 d) |
|---------------------------|--------------|-------------------------|-------------------------|---------------------------|
| Corn | % | 55.01 | 56.47 | 60.79 |
| Soybean meal | % | 36.23 | 34.30 | 29.55 |
| DDG | % | 3.00 | 3.00 | 3.00 |
| All Veg 4000 | % | 1.97 | 2.85 | 3.61 |
| Sodium Chloride | % | 0.38 | 0.34 | 0.33 |
| Limestone | % | 1.38 | 1.27 | 1.22 |
| Dicalcium Phosphate | % | 0.86 | 0.66 | 0.42 |
| Vitamin Premix (VTM88) | % | 0.62 | 0.62 | 0.63 |
| Choline Chloride | % | 0.10 | 0.10 | 0.10 |
| L-Lys HCl | % | 0.12 | 0.10 | 0.10 |
| DL-Met | % | 0.26 | 0.25 | 0.22 |
| L-Thr | % | 0.03 | 0.01 | 0.00 |
| Phytase | % | 0.04 | 0.04 | 0.04 |
| <i>Total</i> | | 100.00 | 100.00 | 100.00 |
| Calculated | | | | |
| Composition | | | | |
| Metabolizable energy | kcal/kg | 3080.48 | 3151.29 | 3235.75 |
| Crude protein | % | 23.11 | 22.27 | 20.31 |
| Fat | % | 4.85 | 5.75 | 6.61 |
| Fiber | % | 2.76 | 2.73 | 2.67 |
| Calcium | % | 0.84 | 0.74 | 0.66 |
| Phosphorus | % | 0.90 | 0.85 | 0.78 |
| Available Phosphorus | % | 0.60 | 0.56 | 0.51 |
| Met | % | 0.62 | 0.60 | 0.54 |
| Cys | % | 0.38 | 0.37 | 0.34 |
| Met+Cys | % | 1.05 | 1.02 | 0.94 |
| Lys | % | 1.34 | 1.27 | 1.14 |
| His | % | 0.61 | 0.59 | 0.55 |
| Tryp | % | 0.27 | 0.25 | 0.23 |
| Thr | % | 0.92 | 0.87 | 0.79 |
| Arg | % | 1.54 | 1.48 | 1.32 |
| Iso | % | 0.99 | 0.95 | 0.86 |
| Leu | % | 2.00 | 1.94 | 1.80 |