Supplementary Materials

Table S1. Summary of statistical analyses outcomes, including all dependent variables (DF = degrees of freedom).

GLMM Dependent variable	Sources of variation	DF	F values	P values
Plasma glucose concentration (Glucose, mg/dL)	Treatment	1	0.27	0.61
	Calf age	3	17.81	<0.001
	Interaction treatment x calf age	3	1.65	0.17
Plasma IgG concentration (IgG, mg/mL)	Treatment	1	2.07	0.15
	Calf age	3	7.29	<0.001
	Interaction treatment x calf age	3	2.85	0.03
Heart rate (HR, bpm)	Treatment	1	15.82	<0.001
	Calf age	3	0.69	0.59
	Interaction treatment x calf age	3	2.78	0.04
Respiractory rate (RR, breaths/min)	Treatment	1	4.09	0.05
	Calf age	3	0.66	0.58
	Interaction treatment x calf age	3	0.49	0.69
Rectal temperature (RT, °C)	Treatment	1	5.18	0.03
	Calf age	3	4.82	0.003
	Interaction treatment x calf age	3	0.11	0.95
Flight distance (FD, m)	Treatment	1	18.54	<0.001
	Calf age	3	2.46	0.07
	Interaction treatment x calf age	3	2.57	0.06
Latency for the calf first movement during the docility test (LM, s)	Treatment	1	0.61	0.44
	Calf age	3	4.60	0.004
	Interaction treatment x calf age	3	1.90	0.13
Latency to hold the calf in a corner of corral pen during the docility test (LH, s)	Treatment	1	8.85	0.005
	Calf age	3	9.92	<0.001
	Interaction treatment x calf age	3	0.52	0.67
Total time the calf allowed touching during the docility test (TTT, s)	Treatment	1	9.37	0.003
	Calf age	3	3.79	0.01
	Interaction treatment x calf age	3	1.30	0.28
Body weight (BW, kg)	Treatment	1	1.41	0.24
	Calf age	3	870.36	<0.001
	Interaction treatment x calf age	3	0.21	0.89
	Birth weight	1	6.80	0.01
Average daily gain (ADG, kg/dia)	Treatment	1	1.80	0.19
	Calf age	3	130.24	<0.001
	Interaction treatment x calf age	3	0.56	0.64
	Birth weight	1	0.009	0.92

GENMOD Dependent variable	Sources of variation	DF	χ^2	P values
Weaning success (WS, binomial)	Treatment	1	0.01	0.91
Diarrhea (binomial)	Treatment	1	0.04	0.83
Death (binomial)	Treatment	1	0.96	0.32