

**Supplemental Table S1.** Performance of each animal used in the study during the feedlot-finishing phase. RFI = Residual Feed Intake; DMI = Dry Matter Intake; ADG = Average Daily Gain; FG = Feed to Gain ratio; HCW = Hot Carcass Weight; RIBEYE = Ribeye Area; MARB = Carcass Marbling Score.

SampleID	AnimalID	SampleType	RFIStatus	DMI	ADG	FG	RFI	HCW	RIBEYE	MARB
69	7024	OFFTEST	High	12.10	1.02	11.92	0.30	346.73	70.79	480
90	7024	ONTEST	High	12.10	1.02	11.92	0.30	346.73	70.79	480
70	7043	OFFTEST	High	13.15	0.95	13.78	0.45	391.09	88.47	570
91	7043	ONTEST	High	13.15	0.95	13.78	0.45	391.09	88.47	570
73	7059	OFFTEST	High	12.04	1.06	11.40	0.32	344.23	75.19	620
87	7059	ONTEST	High	12.04	1.06	11.40	0.32	344.23	75.19	620
76	7135	OFFTEST	High	15.30	1.13	13.56	2.44	416.62	88.11	650
92	7135	ONTEST	High	15.30	1.13	13.56	2.44	416.62	88.11	650
77	7141	OFFTEST	High	12.19	0.97	12.56	0.46	332.44	70.60	730
88	7141	ONTEST	High	12.19	0.97	12.56	0.46	332.44	70.60	730
79	7011	OFFTEST	Low	10.42	1.00	10.37	-0.69	345.18	74.84	580
89	7011	ONTEST	Low	10.42	1.00	10.37	-0.69	345.18	74.84	580
72	7050	OFFTEST	Low	13.07	1.48	8.81	-0.78	368.09	91.24	710
85	7050	ONTEST	Low	13.07	1.48	8.81	-0.78	368.09	91.24	710
74	7112	OFFTEST	Low	10.52	1.12	9.42	-1.55	360.61	73.61	510
82	7112	ONTEST	Low	10.52	1.12	9.42	-1.55	360.61	73.61	510
75	7124	OFFTEST	Low	10.16	0.70	14.52	-1.22	421.84	76.24	670
83	7124	ONTEST	Low	10.16	0.70	14.52	-1.22	421.84	76.24	670
78	7164	OFFTEST	Low	10.31	0.78	13.22	-1.19	397.07	96.36	780
80	7164	ONTEST	Low	10.31	0.78	13.22	-1.19	397.07	96.36	780