UF IFAS Extension UNIVERSITY of FLORIDA

AN325

The Florida Bull Test 2014–2015[1]

Carla D. Sanford, G. Cliff Lamb, and Nicolas DiLorenzo[2]

Test Procedures

The 2014–2015 Florida Bull Test concluded with the evaluation of 103 bulls. The test assessed the performance potential and breeding soundness of bulls consigned to the program at the UF/IFAS North Florida Research and Education Center (NFREC). For the fourth year, the test provided data on individual feed efficiency for each bull. At the conclusion of the test, bulls meeting the requirements of the annual Bull Test Sale became available for purchase. Sale qualifications included adequate feed and growth performance in the test as well as appropriate structural soundness and disposition. Sale bulls were also required to pass a breeding soundness exam in order to qualify for the auction. Actual performance data obtained from the test, expected progeny differences (EPDs), and carcass ultrasound data were made available to both consignors and potential buyers as a means of assessing the sale bulls' performance.

The 112-day test began on July 29, 2014, with bulls being sorted into contemporary groups based on consignor and breed (8 to 12 bulls per pen). Bulls were then housed in the NFREC Feed Efficiency Facility where they received free-choice access to a total mixed ration and water to achieve a target rate of gain of 3.5 lb per day. The diet consisted of 42% pelleted soy hulls, 41% pelleted corn gluten feed, 12% loose peanut hulls, and 5% molasses liquid supplement containing vitamins, minerals, and ionophore (monensin) on a dry matter (DM) basis. The diet was formulated to contain 16.3% crude protein and 0.51 Mcal/lb of DM net energy of gain (NEg).

After a three-week adaptation period, bulls were weighed on two consecutive days to obtain an accurate average unshrunk weight, which was used as the on-test starting weight. Throughout the test, bulls were inspected daily for any health problems. After 28 days, an intermediate unshrunk weight was obtained. Bulls were then weighed on two consecutive days. The mean of these two weights was used for an accurate 56-day weight, and the feed efficiency portion of the test was concluded. On the same day, bulls were removed from the feed efficiency facility and housed in 3.25-acre pastures where they stayed for the remainder of the test. While pasture grazing, bulls remained in the contemporary groups assigned in the feed efficiency facility pens. In addition to grazing and free-choice bermudagrass hay, bulls were offered free-choice access to the same total mixed ration which was provided in the efficiency facility. On day 84 of the test, an additional intermediate unshrunk weight was obtained. After 112 days on feed, bulls were weighed on two consecutive days to determine the final test weight. Average daily gain (ADG) was determined by calculation using only the starting and finishing test weights. At the conclusion of the test, bulls were made available for purchase through the annual UF Bull Test Sale. Bulls were screened for structural soundness and disposition, and monitored throughout the test for overall health. Any bull deemed structurally unsound with poor conformation or chronic lameness or with poor disposition was disqualified from the sale.

1. This document is AN325, one of a series of the Department of Animal Sciences, UF/IFAS Extension. Original publication date June 2016. Visit the EDIS website at http://edis.ifas.ufl.edu.

2. Carla D. Sanford, graduate assistant; G. Cliff Lamb, professor; and Nicolas DiLorenzo, assistant professor; Department of Animal Sciences, UF/IFAS North Florida Research and Education Center, Marianna, FL 32446.

For the first time, the Florida Bull Test offered remote bidding through a verified online bidding company. This service allowed consignors to market their bulls to potential buyers who were unable to attend the sale in person. Additionally, a video clip of each bull was made available online for those who were not able to visit the NFREC facility before the sale. On the day of the sale, 8 of the 12 registered bidders actively participated in the live auction.

Assessment of Feed Efficiency

Bulls were tagged upon arrival at the feed efficiency facility with electronic identification (EID) tags to monitor daily feed intake using the GrowSafe system. Their ADG was calculated for the 56-day feed efficiency portion of the test. Residual feed intake (RFI), calculated as the difference between actual feed intake and expected feed intake (Maddock and Lamb 2009), was the selected measure of feed efficiency used to rank the bulls in the test.

Test Rules and Regulations

General Policies and Procedures

1. Bulls must have been born between August 15 and December 31, 2013.

2. All consignors' herds must have been enrolled in their respective breed association performance program. State BCIA programs were accepted for herds whose breed association did not have a performance record program.

3. Bulls must have completed the weaning phase of the performance record program with their contemporary group, and this information must have been presented at time of delivery. If data had not yet been returned from the consignors' respective association, a copy of the weight data with the number of contemporaries was requested.

4. Bulls could either be purebred or fullblood, but must have been registered with a breed association. Composite bulls must have had both sire and dam registered in an acknowledged beef breed association. A registration certificate and pedigree were required at time of bull delivery to the test station. Otherwise, bulls were not accepted.

5. Each bull was required to weigh 2.5 lb per day of age when delivered to the test station. A transit shrink of 1% per hour of transit time was allowed.

6. Bulls must be have been weaned a minimum of three weeks prior to delivery at the test site.

7. Bulls were required to be structurally sound and show evidence of good growth potential.

8. Birth weights of bulls were required at delivery.

9. Consignments were limited to 10 head per owner or operation. Additional consignments would have been considered on the basis of space availability.

10. There was a limit of 100 bulls for the test. More than 100 bulls were nominated to the Florida Bull Test. As result, the following selection criteria were used to determine which bulls were accepted:

    - Groups of bulls from the same sire were given preference because of the benefit of sire-group testing rather than individual testing.
    - Preference was given to breeders or consignors who maintained their Florida Cattlemen's Association membership.
    - Bulls were accepted based on the order in which nominations were received.

11. Bulls originating from embryo transfer must have been designated as such, and the breed of the recipient cow must have been identified.

12. Bulls must have had legible and permanent identification (tattoo or brand) corresponding to the registration paper at delivery.

13. Consignors were informed that horned bulls may be grouped separately. Additionally, it was recommended that bulls be dehorned and healed by time of delivery.

Health Requirements

1. All bulls were required to be in good health. They needed to be accompanied by a health certificate bearing the herd number that showed they were from a certified brucellosis-free state or herd or have a negative test for brucellosis no more than 30 days before delivery. Bulls originating from a state that is not tuberculosis (TB)-free were required to be accompanied by a health certificate showing they were from a certified TB- free herd or have a negative test result for TB no more than 30 days prior to time of delivery.

2. Bulls must have been vaccinated twice with a period of at least 21 days between vaccinations for the following:

5-way leptospirosis, 7- or 8-way clostridium with *Haemophilus somnus*, and IBR/PI3/BVD/BRSV, with the last vaccination occurring at least three weeks prior to delivery. Vaccination for *Pasteurella* was optional. The use of intranasal vaccination against IBR/PI3 was recommended.

3. Consignors were responsible for all examination and treatment costs if veterinarian attention was required.

4. Consignors were encouraged to contact their local or state veterinarian for interstate permit and health requirements. An official certificate of veterinary inspection (health paper) was required for each bull.

Test Results

At the conclusion of the test, an overall ranking assessing the parameters of ADG and the weight per day of age (WDA) of each bull was compiled, and an index ratio was generated. The top performing bull of the test as well as top performing SimAngus bull indexed 129 with an ADG of 4.13 and WDA of 4.04 lb/day, and belonged to J & W Simmentals of Headland, AL. The top Angus bull, Gray's Impression 6262 301, owned by Grayhaven Farms of Monticello, FL was ranked 2nd overall and indexed 122 with an ADG of 4.46 and WDA of 3.23 lb/day. The top Charolais bull owned by Rogers Bar HR was ranked 3rd overall and indexed 120 with an ADG of 4.59 and WDA of 2.96 lb/day.

The top Simmental bull, A-7, owned by R & K Farm of Elba, AL was ranked 9th overall and indexed 114 with an ADG of 4.37 and WDA of 2.80 lb/day. The top Hereford bull, JTN Revolution 911Y A19, owned by J Taylor Neighbors of Americus, GA was ranked 11th overall and indexed 113 with an ADG of 3.78 and WDA of 3.34 lb/day. The top Braford bull, 4056, owned by Running M Farm of Tallahassee, FL was ranked 38th overall and indexed 103 with an ADG of 3.44 and WDA of 3.06 lb/day. The top Brahman bull, 409, owned by Ford Farms of Malone, FL was ranked 62nd overall and indexed 98 with an ADG of 3.46 and WDA of 2.69 lb/day. Table 1 summarizes the overall feed efficiency of all bulls enrolled in the test, while Table 2 summarizes individual feed intake and feed efficiency of each bull. Table 3 summarizes individual animal growth performance.

Table 1. Summary of feed efficiency data for all bulls enrolled in the 2014–2015 Florida Bull Test.

Item	Daily Intake, lb of DM/day	RFI, lb of DM/day	Feed: Gain
Average	21.16	0.00	9.04
Range	13.88–28.52	-5.08–7.76	4.85–40.48

Sale Summary

The Florida Bull Test Sale was held on January 17, 2015. The test began with 103 bulls. 56 head among these were offered for sale at the annual bull test held at the NFREC in Marianna, FL. The sale grossed $256,800 with an average of $4,585 per bull lot. Angus bulls averaged $4,514 on 27 lots, SimAngus bulls averaged $4,878 on 14 lots, and Simmental bulls averaged $4,338 on 13 lots. Hereford bulls averaged $5,100 on two lots. The highest-selling bull was lot 1, J & W Cruising, selling for $6,500. J & W Cruising was consigned by J & W Simmentals of Headland, AL and purchased by Phil Farris of Elba, AL.

Figure 1. Consignors receiving their awards for consigning bulls that performed at the top of their respective breeds within the test. Credits: UF/IFAS North Florida Research and Education Center

Reference

Maddock, T. D., D. D. Henry, and G. C. Lamb. 2015. *The Economic Impact of Feed Efficiency in Beef Cattle.* AN217. Gainesville: University of Florida Institute of Food and Agricultural Sciences. http://edis.ifas.ufl.edu/an217

Table 2. Individual feed efficiency and feed intake data of bulls enrolled in the 2014–2015 Florida Bull Test.

Test ID	Breed	56-Day Daily Feed Intake, lb/day	Feed: Gain	Gain: Feed	56-Day RFI, lb/day	56-Day Feed Efficiency Rank
1297	Angus	16.62	4.85	0.21	-5.08	1
1286	Angus	17.00	8.66	0.12	-4.57	2
1218	Charolais	18.15	5.44	0.18	-3.33	3
1292	Angus	17.29	6.82	0.15	-3.00	4
1221	SimAngus	19.49	7.11	0.14	-2.92	5
1245	Angus	18.72	5.49	0.18	-2.56	6
1285	Angus	16.61	14.31	0.07	-2.54	7
1259	Angus	21.00	7.71	0.13	-2.53	8
1291	Angus	16.76	5.98	0.17	-2.53	9
1276	Angus	19.83	8.88	0.11	-2.49	10
1237	Simmental	17.78	6.64	0.15	-2.37	11
1235	Simmental	19.72	8.06	0.12	-2.30	12
1281	Angus	19.13	9.74	0.10	-2.26	13
1293	Angus	17.36	7.71	0.13	-2.13	14
1213	Charolais	18.84	6.14	0.16	-2.12	15
1304	Angus	19.80	6.23	0.16	-2.04	16
1260	Angus	18.55	7.75	0.13	-2.02	17
1247	Angus	21.67	6.11	0.16	-1.89	18
1273	SimAngus	22.36	7.11	0.14	-1.82	19
1249	Angus	22.49	7.75	0.13	-1.71	20
1278	Angus	21.11	8.75	0.11	-1.71	21
1228	SimAngus	23.01	8.45	0.12	-1.66	22
1274	SimAngus	20.43	9.34	0.11	-1.59	23
1265	SimAngus	21.71	9.01	0.11	-1.58	24
1261	Braford	13.88	8.45	0.12	-1.45	25
1217	Charolais	20.69	6.60	0.15	-1.42	26
1300	Simmental	18.82	7.07	0.14	-1.36	27
1248	Angus	20.24	9.25	0.11	-1.30	28
1309	Simmental	21.58	8.14	0.12	-1.28	29
1287	Simmental	18.63	7.67	0.13	-1.20	30
1305	Angus	18.95	9.82	0.10	-1.13	31
1296	Angus	17.74	8.49	0.12	-1.12	32
1272	SimAngus	24.11	10.59	0.09	-1.11	33
1254	Angus	17.17	9.52	0.11	-1.10	34
1302	Angus	23.15	7.74	0.13	-1.09	35
1238	Simmental	20.25	6.98	0.14	-1.09	36
1282	Angus	18.72	12.41	0.08	-1.06	37
1294	Angus	16.40	9.00	0.11	-1.04	38
1268	SimAngus	19.54	10.37	0.10	-0.88	39
1301	Simmental	20.00	6.87	0.15	-0.84	40
1232	Simmental	18.24	12.85	0.08	-0.78	41
1231	Simmental	23.46	7.96	0.13	-0.61	42
1295	Angus	15.88	10.72	0.09	-0.52	43

Test ID	Breed	56-Day Daily Feed Intake, lb/day	Feed: Gain	Gain: Feed	56-Day RFI, lb/day	56-Day Feed Efficiency Rank
1229	Simmental	16.99	40.48	0.02	-0.48	44
1267	SimAngus	21.39	11.14	0.09	-0.47	45
1251	Angus	19.21	9.69	0.10	-0.44	46
1234	SimAngus	21.58	7.75	0.13	-0.42	47
1236	SimAngus	19.70	8.86	0.11	-0.39	48
1211	Charolais	24.08	5.70	0.18	-0.34	49
1212	Charolais	22.86	7.31	0.14	-0.25	50
1262	Braford	17.29	5.76	0.17	-0.24	51
1310	Brahman	19.91	6.84	0.15	-0.13	52
1222	Simmental	22.75	7.06	0.14	-0.11	53
1220	Charolais	18.66	8.43	0.12	0.07	54
1288	SimAngus	22.56	8.05	0.12	0.07	55
1277	Angus	22.90	9.86	0.10	0.09	56
1216	Charolais	20.79	7.32	0.14	0.10	57
1280	Angus	20.23	8.85	0.11	0.18	58
1266	Simmental	22.79	9.45	0.11	0.27	59
1258	Angus	20.26	10.22	0.10	0.31	60
1227	Angus	20.73	7.49	0.13	0.41	61
1271	Angus	23.67	7.13	0.14	0.45	62
1239	SimAngus	19.80	8.80	0.11	0.47	63
1290	Angus	17.99	8.68	0.12	0.48	64
1312	Brahman	23.85	6.83	0.15	0.53	65
1233	Simmental	21.94	7.78	0.13	0.56	66
1306	Simmental	21.21	9.00	0.11	0.70	67
1284	Angus	24.33	9.56	0.10	0.77	68
1219	Charolais	22.87	7.81	0.13	0.78	69
1230	SimAngus	23.31	7.68	0.13	0.81	70
1279	Angus	20.82	7.99	0.13	0.84	71
1242	Angus	21.80	7.73	0.13	0.91	72
1226	Angus	19.16	9.49	0.11	0.93	73
1225	SimAngus	21.10	7.39	0.14	0.94	74
1313	Brahman	22.42	7.13	0.14	0.94	75
1223	Simmental	20.53	7.19	0.14	1.10	76
1250	Angus	22.83	9.54	0.10	1.28	77
1224	SimAngus	20.27	10.51	0.10	1.39	78
1263	Braford	20.42	8.00	0.13	1.40	79
1253	Angus	18.74	11.53	0.09	1.44	80
1264	Braford	22.04	7.09	0.14	1.50	81
1283	Angus	26.71	7.12	0.14	1.64	82
1275	Angus	26.58	9.02	0.11	1.68	83
1289	Simmental	19.62	13.56	0.07	1.84	84
1308	Simmental	22.05	7.67	0.13	1.89	85
1244	Angus	23.49	7.83	0.13	1.95	86
1298	Angus	26.95	5.86	0.17	2.04	87

Test ID	Breed	56-Day Daily Feed Intake, lb/day	Feed: Gain	Gain: Feed	56-Day RFI, lb/day	56-Day Feed Efficiency Rank
1299	Simmental	22.36	9.94	0.10	2.38	88
1246	Angus	24.80	8.27	0.12	2.73	89
1214	Charolais	26.25	7.68	0.13	3.05	90
1307	SimAngus	24.37	8.69	0.12	3.19	91
1256	Angus	27.44	10.25	0.10	3.51	92
1255	Angus	27.02	9.43	0.11	3.57	93
1243	Angus	20.67	15.43	0.06	3.68	94
1311	Brahman	28.33	7.41	0.13	4.03	95
1240	Hereford	25.83	11.48	0.09	4.14	96
1215	Charolais	28.52	7.31	0.14	4.27	97
1252	Angus	23.63	19.18	0.05	4.51	98
1303	Angus	27.52	10.04	0.10	4.81	99
1241	Hereford	26.79	26.09	0.04	7.76	100

Table 3. Growth performance of bulls enrolled in the 2014–2015 Florida Bull Test.

Test ID	Breed	Start Weight	28-Day Weight	56-Day Weight	84-Day Weight	Final Weight	Final ADG	Final WDA	Final Index	Final Index Ratio	Frame Score
1211	Charolais	821	940	1058	1215	1335	4.59	2.96	7.55	120	7.7
1212	Charolais	920	1015	1095	1225	1325	3.62	2.94	6.56	104	7.2
1213	Charolais	788	876	960	1080	1195	3.63	2.64	6.28	99	5.9
1214	Charolais	876	1000	1068	1135	1278	3.58	2.85	6.43	102	6.6
1215	Charolais	864	964	1083	1220	1345	4.29	3.04	7.33	116	7.9
1216	Charolais	809	874	968	1120	1238	3.83	2.79	6.61	105	6.2
1217	Charolais	852	962	1028	1135	1268	3.71	2.77	6.48	103	7.9
1218	Charolais	777	862	964	1075	1175	3.55	2.63	6.19	98	7.0
1219	Charolais	886	974	1050	1220	1323	3.90	3.00	6.90	109	7.0
1220	Charolais	778	834	902	1050	1158	3.39	2.69	6.07	96	6.0
1221	SimAngus	939	996	1093	1215	1310	3.31	2.93	6.24	99	5.8
1222	Simmental	887	960	1068	1235	1320	3.87	2.97	6.83	108	6.2
1223	Simmental	725	812	885	1005	1060	2.99	2.40	5.39	85	4.1
1224	SimAngus	844	916	952	1080	1190	3.09	2.69	5.78	92	4.6
1225	SimAngus	772	834	932	1085	1125	3.15	3.18	6.33	100	5.4
1226	Angus	787	848	900	1015	1108	2.86	2.91	5.78	92	4.4
1227	Angus	797	912	952	1075	1163	3.26	3.05	6.31	100	5.0
1228	SimAngus	1095	1165	1248	1420	1488	3.50	3.48	6.99	111	5.9
1230	SimAngus	895	976	1065	1205	1328	3.86	3.17	7.03	111	6.1
1231	Simmental	1015	1100	1180	1300	1385	3.30	3.46	6.77	107	6.7
1232	Simmental	938	982	1018	1160	1255	2.83	2.61	5.44	86	5.9
1233	Simmental	857	940	1015	1130	1225	3.29	3.06	6.35	101	6.2
1234	SimAngus	904	952	1060	1195	1305	3.58	3.01	6.59	104	5.9
1235	Simmental	963	1035	1100	1260	1295	2.96	2.82	5.78	92	5.2
1236	SimAngus	873	930	998	1130	1268	3.52	2.81	6.33	100	5.5
1237	Simmental	801	894	951	1160	1290	4.37	2.80	7.17	114	5.8
1238	Simmental	841	904	1004	1170	1278	3.90	2.78	6.67	106	5.8
1239	SimAngus	819	858	945	1035	1125	2.73	2.54	5.27	84	4.7
1240	Hereford	974	1075	1100	1255	1398	3.78	3.34	7.12	113	5.7
1241	Hereford	1005	1040	1063	1255	1413	3.64	3.36	6.99	111	5.7
1242	Angus	825	930	983	1085	1180	3.17	2.98	6.15	97	5.1
1243	Angus	820	824	895	1065	1175	3.17	3.04	6.21	98	5.5
1244	Angus	837	916	1005	1130	1238	3.58	3.14	6.72	106	5.3
1245	Angus	752	820	943	1110	1210	4.09	3.11	7.20	114	5.7
1246	Angus	872	974	1040	1245	1303	3.84	3.29	7.13	113	5.9
1247	Angus	879	974	1078	1210	1298	3.74	3.10	6.84	108	6.2
1248	Angus	975	1045	1098	1210	1283	2.75	3.00	5.74	91	5.9
1249	Angus	1033	1125	1195	1340	1425	3.50	3.18	6.69	106	6.4
1250	Angus	941	986	1075	1215	1318	3.36	2.93	6.29	100	4.9
1251	Angus	885	914	996	1145	1280	3.53	2.88	6.40	101	5.2
1252	Angus	976	1035	1045	1240	1323	3.09	2.89	5.98	95	5.7
1253	Angus	793	832	884	1030	1105	2.79	2.38	5.17	82	4.9
1254	Angus	825	858	926	1050	1110	2.54	2.42	4.97	79	4.6

Test ID	Breed	Start Weight	28-Day Weight	56-Day Weight	84-Day Weight	Final Weight	Final ADG	Final WDA	Final Index	Final Index Ratio	Frame Score
1255	Angus	987	1065	1148	1300	1418	3.84	2.99	6.83	108	5.2
1256	Angus	1053	1155	1203	1365	1488	3.88	3.15	7.04	111	5.6
1258	Angus	904	962	1015	1170	1230	2.91	3.04	5.95	94	5.0
1259	Angus	1018	1035	1170	1315	1383	3.26	3.39	6.65	105	6.1
1260	Angus	876	950	1010	1185	1303	3.81	3.51	7.32	116	6.2
1261	Braford	667	720	759	892	961	2.63	2.66	5.29	84	4.3
1262	Braford	584	684	752	868	969	3.44	3.06	6.49	103	6.2
1263	Braford	749	824	892	1015	1089	3.04	2.86	5.89	93	6.2
1264	Braford	755	862	929	1035	1110	3.17	2.91	6.08	96	6.4
1265	SimAngus	1055	1115	1190	1280	1483	3.82	3.26	7.08	112	6.1
1266	Simmental	1003	1085	1138	1240	1315	2.79	3.02	5.81	92	5.8
1267	SimAngus	1043	1110	1150	1270	1395	3.15	3.07	6.21	98	5.9
1268	SimAngus	952	956	1058	1170	1308	3.17	3.36	6.54	104	6.2
1271	Angus	894	1000	1080	1135	1258	3.25	3.33	6.57	104	6.3
1272	SimAngus	1213	1250	1340	1540	1675	4.13	4.04	8.17	129	8.4
1273	SimAngus	989	1065	1165	1325	1440	4.03	3.45	7.48	119	5.8
1274	SimAngus	1008	1065	1130	1295	1395	3.46	3.30	6.76	107	6.3
1275	Angus	1073	1170	1238	1375	1453	3.39	3.21	6.60	105	6.3
1276	Angus	1020	1065	1145	1240	1378	3.19	3.18	6.37	101	6.6
1277	Angus	1038	1085	1168	1275	1408	3.30	3.37	6.67	106	6.6
1278	Angus	1023	1105	1158	1280	1388	3.26	3.17	6.43	102	6.4
1279	Angus	802	884	948	1050	1178	3.35	2.53	5.88	93	4.8
1281	Angus	1003	1050	1113	1240	1345	3.06	3.04	6.10	97	5.1
1282	Angus	973	990	1058	1185	1313	3.03	3.01	6.04	96	5.8
1283	Angus	945	1040	1155	1350	1445	4.46	3.23	7.70	122	5.8
1284	Angus	1050	1085	1193	1225	1298	2.21	3.10	5.31	84	6.0
1285	Angus	990	1035	1055	1205	1295	2.72	3.01	5.73	91	6.5
1286	Angus	1015	1075	1125	1245	1398	3.42	3.21	6.62	105	6.9
1287	Simmental	822	908	958	1090	1155	2.97	2.49	5.47	87	4.8
1288	SimAngus	933	988	1090	1240	1310	3.37	2.85	6.22	99	4.9
1289	Simmental	853	912	934	1120	1235	3.41	2.66	6.07	96	5.3
1290	Angus	733	794	849	990	1078	3.08	2.43	5.50	87	3.6
1291	Angus	725	794	882	984	1095	3.30	2.84	6.15	97	4.5
1292	Angus	834	870	976	1085	1145	2.78	2.67	5.45	86	5.2
1293	Angus	829	872	955	1110	1245	3.71	2.88	6.60	105	4.6
1294	Angus	769	800	871	1010	1133	3.25	2.57	5.81	92	4.4
1295	Angus	760	810	843	994	1058	2.66	2.34	5.00	79	3.5
1296	Angus	816	848	933	1045	1158	3.05	2.61	5.66	90	4.9
1297	Angus	776	848	968	1120	1210	3.88	2.72	6.59	105	5.2
1298	Angus	790	920	1048	1175	1295	4.51	2.93	7.44	118	5.6
1299	Simmental	861	934	987	1135	1210	3.12	2.76	5.88	93	5.0
1300	Simmental	806	868	955	1090	1188	3.41	2.90	6.30	100	5.3
1301	Simmental	807	882	970	1130	1195	3.46	2.79	6.25	99	5.7
1302	Angus	1020	1070	1188	1275	1400	3.39	2.97	6.36	101	6.1

Test ID	Breed	Start Weight	28-Day Weight	56-Day Weight	84-Day Weight	Final Weight	Final ADG	Final WDA	Final Index	Final Index Ratio	Frame Score
1303	Angus	959	1025	1113	1260	1363	3.60	2.92	6.52	103	5.6
1304	Angus	827	900	1005	1160	1245	3.73	2.68	6.41	102	5.3
1305	Angus	922	966	1030	1165	1255	2.97	2.66	5.63	89	5.7
1306	Simmental	878	946	1010	1135	1218	3.03	2.65	5.68	90	5.7
1307	SimAngus	847	938	1004	1110	1213	3.26	2.98	6.24	99	5.9
1308	Simmental	769	816	930	1065	1160	3.49	2.85	6.34	100	6.2
1309	Simmental	984	1085	1133	1280	1363	3.38	2.91	6.29	100	5.9
1310	Brahman	755	838	918	992	1038	2.52	2.18	4.70	74	5.7
1311	Brahman	881	1010	1095	1215	1258	3.36	2.68	6.04	96	6.1
1312	Brahman	872	964	1068	1185	1260	3.46	2.69	6.16	98	7.0
1313	Brahman	809	902	985	1055	1108	2.67	2.30	4.96	79	5.6