

## Supplementary Data

Lot	Bull	DOB	Age (m)	P8	RIB	EMA	IMF	Motility (%)	Scrotal	Weight Sept	9th	BW	Homo Black
1	BONNYDALE JUSTICE R240	24/03/2020	18	11	8	130	5.2	60	36	706	38	✓	
2	BONNYDALE PROCLAMATION R116	21/01/2020	20	13	12	134	5.3	80	40	784	36	✓	
3	BONNYDALE LINCOLN R127	23/01/2020	20	9	7	140	5.8	85	38	840	43	✓	
4	BONNYDALE Q NASHVILLE R33	27/01/2020	20	9	7	136	4.2	70	42	746	25	✓	
5	BONNYDALE Q PROCLAMATION R5	10/01/2020	21	9	7	135	5.8	70	40	738	26	✓	
6	BONNYDALE Q PROCLAMATION R16	18/01/2020	21	8	7	128	4.6	80	39	668	31	✓	
7	BONNYDALE Q NASHVILLE R39	6/02/2020	20	9	6	132	4.3	70	40	672	33	✓	
8	BONNYDALE Q JUSTICE R44	5/02/2020	20	9	6	125	3.7	70	37	620	30	✓	
9	BONNYDALE Q PROCLAMATION R9	11/01/2020	21	9	6	128	5.3	85	39	618	25	✓	
10	BONNYDALE AUGUSTUS R70	17/01/2020	21	9	9	127	5.8	80	39	704	31	✓	
11	BONNYDALE BULLET R160	5/02/2020	20	11	8	130	7.3	60	40	744	34	✓	
12	WITHDRAWN												
13	BONNYDALE PRIME CUT R230	8/03/2020	19	9	6	126	4.3	85	41	718	42	✓	
14	BONNYDALE JUSTICE R163	6/02/2020	20	12	8	123	4.3	80	41	704	35	✓	
15	BONNYDALE NASHVILLE R181	11/02/2020	20	11	9	128	5.8	70	37	714	35		
16	BONNYDALE JUSTICE R125	23/01/2020	20	11	8	136	5.2	85	36	688	29	✓	
17	BONNYDALE NASHVILLE R217	29/02/2020	19	9	7	133	6.2	70	39	694	35	✓	
18	BONNYDALE NASHVILLE R195	14/02/2020	20	11	8	136	5.3	60	39	728	37	✓	
19	BONNYDALE NASHVILLE R65	17/01/2020	21	13	10	136	4.8	80	35	728	34	✓	
20	BONNYDALE NEVADA R234	16/03/2020	19	11	9	122	6.5	90	38	724	30	✓	
21	BONNYDALE PRIME CUT R246	25/03/2020	18	10	7	120	4.2	85	37	670	36	✓	
22	BONNYDALE PRIME CUT R244	25/03/2020	18	11	8	127	4.6	85	37	666	35	✓	
23	BONNYDALE PRIME CUT R202	22/02/2020	19	8	6	132	5.8	80	39	688	42	✓	
24	BONNYDALE JUSTICE R200	17/02/2020	20	9	7	121	4.4	70	28	658	31	✓	
25	BONNYDALE PRIME CUT R228	6/03/2020	19	8	5	125	4.3	80	38	668	40	✓	
26	BONNYDALE JUSTICE R229	6/03/2020	19	8	6	127	5.7	60	35	652	31	✓	
27	BONNYDALE NEVADA R219	1/03/2020	19	8	5	122	4.7	90	36	602	34	✓	
28	BONNYDALE NEVADA R151	31/01/2020	20	7	6	128	4.3	75	33	678	31	✓	
29	BONNYDALE SA MATAURI R427	15/01/2020	21	11	7	138	6.5	80	41	814	35	✓	
30	BONNYDALE SA PRIME CUT R471	31/01/2020	20	8	7	123	5.7	60	42	802	45	✓	
31	BONNYDALE SA PRIME CUT R515	15/02/2020	20	9	6	126	5.8	80	39	712	42	✓	
32	BONNYDALE SA NEVADA R450	19/01/2020	20	12	9	124	6.3	80	35	852	40	✓	
33	BONNYDALE SA MATAURI R547	29/03/2020	18	8	6	130	3.7	70	37	736	39		
34	BONNYDALE SA MONTANA R532	28/02/2020	19	11	8	128	4.3	80	38	768	41	✓	
35	BONNYDALE SA LEGEND R448	18/01/2020	21	9	6	127	4.3	85	40	744	39	✓	
36	BONNYDALE SA RANCH HAND R512	13/02/2020	20	12	9	123	5.4	80	37	740	32	✓	
37	BONNYDALE SA PRIME CUT R526	23/02/2020	19	10	7	128	6.2	80	38	712	44	✓	
38	BONNYDALE SA JUSTICE R539	6/03/2020	19	10	8	126	5.7	80	40	740	34	✓	
39	BONNYDALE SA LEGEND R422	15/01/2020	21	14	9	118	6.3	90	40	696	30	✓	
40	BONNYDALE SA BULLET R459	24/01/2020	20	9	6	136	3.8	70	40	746	29	✓	
41	BONNYDALE SA BULLET R503	11/02/2020	20	10	7	131	6.3	70	33	692	39	✓	
42	BONNYDALE SA MONTANA R494	7/02/2020	20	10	8	130	5.4	75	35	672	32	✓	
43	BONNYDALE SA MATAURI R553	9/04/2020	18	7	6	120	5.2	70	41	680	36	✓	
44	BONNYDALE SB SWIFT R702	19/01/2020	20	12	10	125	7	75	39	790	42	✓	
45	BONNYDALE SB SWIFT R706	20/01/2020	20	13	10	132	6.3	70	42	862	46	✓	
46	BONNYDALE SB MONTANA R701	15/01/2020	21	12	9	136	4.8	80	41	768	33	✓	
47	BONNYDALE SB SWIFT R709	25/01/2020	20	12	8	136	4.7	80	38	746	44		
48	BONNYDALE SB SWIFT R703	19/01/2020	20	11	8	140	5.6	75	37	722	37	✓	
49	BONNYDALE SB SWIFT R140	25/01/2020	20	12	9	125	6.5	75	42	788	41	✓	
50	BONNYDALE SB SWIFT R741	25/01/2020	20	11	7	140	4.2	85	42	774	46	✓	
51	BONNYDALE SB SWIFT R704	19/01/2020	20	13	10	145	5.8	80	41	756	34	✓	
52	BONNYDALE SB SWIFT R705	20/01/2020	20	9	7	130	5.4	80	44	644	33	✓	
53	BONNYDALE Q SWIFT R59	7/03/2020	19	11	8	137	4.7	80	43	738	42	✓	
54	BONNYDALE Q SWIFT R55	5/03/2020	19	10	8	128	5.3	70	44	678	38	✓	
55	BONNYDALE Q SWIFT R61	11/03/2020	19	10	6	136	4.8	70	40	664	44	✓	
56	BONNYDALE Q SWIFT R56	6/03/2020	19	11	8	128	3.8	80	41	642	36	✓	
57	BONNYDALE Q SWIFT R58	6/03/2020	19	11	8	128	4.3	80	43	654	38	✓	
58	BONNYDALE SB NIGHT RIDER R718	13/05/2020	17	11	8	122	3.7	60	36	758	42	✓	
59	BONNYDALE SB NIGHT RIDER R719	13/05/2020	17	9	7	125	3.7	80	39	722	40	✓	
60	BONNYDALE SB NIGHT RIDER R720	13/05/2020	17	10	6	133	4.3	70	43	670	41	✓	

Lot 28 Heterozygous Poll. All other bulls are Homozygous poll