

Igenity Beef Profiles Help Spring Valley Ranch Breed and Evaluate Its Herd For Its Customers

To evaluate the genetic value of Spring Valley Ranch's seedstock and herd, and to help its customers evaluate Spring Valley's cattle, Spring Valley uses an additional tool from Neogen – the Igenity Beef Profile. The Igenity Beef Profile is a genomic analysis of a specific range of traits valuable to the beef cattle industry, especially the cow-calf producer.

Neogen uses a simple 1-10 scoring system for each trait. In most instances, the higher the score, the more genetic potential exists for that animal compared to an animal with a lower score. However, there are certain instances where a lower score is preferred, such as Birth Weight.

Neogen uses various Indexes to identify animals that are the best combinations of the multiple traits that are most important for each producer and its breeding objectives. The traits may be combined for the most useful genomic analysis.

Here, Spring Valley Ranch has provided three Indexes to assist its customers and evaluate its herd. Spring Valley uses these Indexes because of its customers' needs and published concerns about today's cattle. Spring Valley wants to address these concerns and help its customers.

Data from the Reference Sires, SAV Renown and K C F Bennett Absolute, is included in these Indexes to provide a baseline of comparison of Mainstream Angus to Spring Valley's Foundation Angus. Here are the Indexes:

Igenity Production Index. This is a standard Index utilized by many Igenity Beef customers. It helps identify cattle that excel in a combination of Cow Stayability, Carcass Merit, and Feedlot Performance. Producers that retain ownership of calves and keep replacement heifers can use this Index.

SVR-Production Index. Spring Valley Ranch created this customized Index to measure the traits of Stayability, Heifer Pregnancy, Calving Ease Direct, Average Daily Gain, Marbling and Tenderness. Customers interested in building a better cow herd while creating superior taste products and eating qualities for the consumer can use this Index.

Igenity Terminal Index. This is a standard Neogen Index used to identify cattle geared toward terminal production and grid carcass merit. This Index is used for terminal seedstock but is also used frequently when evaluating feeder cattle destined for the grid. Although useful, the Terminal Index may be less relevant to the producer looking to improve a cow herd.

If you have specific questions about Neogen's Igenity Beef profile, feel free to give us a call at 402-384-3308, or contact our Neogen Beef Territory Managers Rick Pfortmiller at 785-885-8165 or Sarah Olsen at 402-314-4589 or at www.igenitybeef.com.

Rank Using Igenity Terminal Index

Rank	Lot No.	Tattoo	Igenity Terminal Index	Igenity Terminal Traits	% of Trait in Index
1	59	0197H	6.5	CED	5%
2	70	0234H	6.35	CWT	45%
3	Ref. Sire	KCF Bennett Absolute	6.3	FAT	10%
4	Ref. Sire	SAV Renown 3439	6.15	MARBLING	15%
5	27	0140H	6	REA	10%
6	57	0192H	5.9	RFI	10%
7	55	0190H	5.8	TENDERNESS	5%
8	49	0172H	5.65		
9	53	0183H	5.65		
10	80	0155H	5.6		
11	7	0113H	5.55		
12	8	0114H	5.5		
13	51	0174H	5.5		
14	15	0125H	5.45		
15	34	0151H	5.45		
16	35	0153H	5.4		
17	44	0166H	5.4		
18	62	0207H	5.4		
19	13	0123H	5.3		
20	60	0202H	5.3		
21	5	0111H	5.2		
22	76	0263H	5.2		
23	47	0169H	5.15		
24	30	0144H	5		
25	69	0225H	5		
26	31	0145H	4.95		
27	39	0160H	4.95		
28	65	0214H	4.95		
29	81	0176H	4.85		
30	58	0196H	4.85		
31	75	0256H	4.85		
32	12	0122H	4.8		
33	42	0164H	4.8		
34	78	0271H	4.8		
35	54	0184H	4.75		
36	63	0210H	4.75		
37	29	0143H	4.65		
38	50	0173H	4.65		
39	40	0161H	4.6		
40	79	0115H	4.55		
41	18	0128H	4.55		
42	61	0206H	4.55		
43	25	0137H	4.5		
44	67	0222H	4.5		
45	9	0117H	4.45		
46	38	0159H	4.45		
47	10	0120H	4.4		
48	37	0158H	4.4		
49	6	0112H	4.35		
50	66	0221H	4.35		
51	74	0247H	4.35		
52	73	0245H	4.25		
53	77	0264H	4.25		
54	19	0129H	4.2		
55	64	0212H	4.2		
56	28	0141H	4.15		
57	56	0191H	4.1		
58	32	0148H	4.05		
59	36	0154H	4.05		
60	71	0237H	4.05		
61	1	0104H	4		
62	23	0134H	3.95		
63	41	0163H	3.95		
64	68	0224H	3.95		
65	45	0167H	3.9		
66	72	0241H	3.9		
67	17	0127H	3.75		
68	4	0110H	3.6		
69	20	0131H	3.55		
70	21	0132H	3.5		
71	24	0136H	3.5		
72	26	0139H	3.5		
73	2	0106H	3.45		
74	46	0168H	3.35		
75	52	0177H	3.35		
76	11	0121H	3.3		
77	48	0170H	3.3		
78	22	0133H	3.1		
79	33	0149H	3.1		
80	43	0165H	3.1		
81	14	0124H	3		
82	16	0126H	2.9		
83	3	0107H	2.55		

Rank Using SVR Production Index

Rank	Lot No.	Tattoo	SVR Production Index	SVR Production Traits	% of Traits in Index
1	69	0225H	7.2	CED	15%
2	9	0117H	6.95	STAYABILITY	25%
3	23	0134H	6.9	HEIFER PREGNANCY	15%
4	58	0196H	6.9	ADG	15%
5	22	0133H	6.7	TENDERNESS	20%
6	10	0120H	6.65	MARBLING	10%
7	12	0122H	6.65		
9	11	0121H	6.5		
10	34	0151H	6.5		
8	79	0115H	6.5		
11	28	0141H	6.4		
12	74	0247H	6.4		
13	49	0172H	6.35		
14	50	0173H	6.3		
15	73	0245H	6.3		
16	15	0125H	6.25		
17	25	0137H	6.25		
18	38	0159H	6.25		
19	41	0163H	6.25		
20	65	0214H	6.25		
21	21	0132H	6.2		
22	32	0148H	6.2		
23	36	0154H	6.2		
24	53	0183H	6.2		
25	70	0234H	6.2		
26	76	0263H	6.2		
27	4	0110H	6.15		
28	29	0143H	6.15		
29	40	0161H	6.15		
30	48	0170H	6.15		
31	57	0192H	6.15		
32	60	0202H	6.15		
33	3	0107H	6.1		
34	16	0126H	6.1		
35	26	0139H	6.1		
36	37	0158H	6.05		
37	68	0224H	6.05		
38	30	0144H	6		
39	31	0145H	6		
40	Ref. Sire	KCF Bennett Absolute	6		
41	17	0127H	5.95		
42	27	0140H	5.95		
43	44	0166H	5.95		
44	67	0222H	5.85		
45	1	0104H	5.8		
46	43	0165H	5.8		
47	75	0256H	5.8		
48	8	0114H	5.75		
49	14	0124H	5.75		
50	24	0136H	5.75		
52	77	0264H	5.75		
51	81	0176H	5.75		
53	42	0164H	5.7		
54	33	0149H	5.65		
55	39	0160H	5.65		
56	18	0128H	5.6		
57	6	0112H	5.55		
58	64	0212H	5.55		
59	19	0129H	5.5		
60	59	0197H	5.5		
61	61	0206H	5.5		
62	62	0207H	5.5		
63	71	0237H	5.5		
64	66	0221H	5.45		
66	56	0191H	5.4		
67	72	0241H	5.4		
65	80	0155H	5.4		
68	2	0106H	5.35		
69	63	0210H	5.35		
70	5	0111H	5.3		
71	13	0123H	5.3		
72	54	0184H	5.3		
73	7	0113H	5.2		
74	78	0271H	5.2		
75	35	0153H	5.1		
76	55	0190H	5.05		
77	51	0174H	4.9		
78	46	0168H	4.75		
79	45	0167H	4.7		
80	52	0177H	4.65		
81	20	0131H	4.55		
82	47	0169H	4.4		
83	Ref. Sire	SAV Renown 3439	4.3		

Rank Using Igenity Production Index

Rank	Lot #	Tattoo	Igenity Production Index	Igenity Production Traits	% of Trait in Index
1	69	0225H	6.6	CEM	10%
2	74	0247H	6.25	STAYABILITY	30%
3	76	0263H	6.15	RFI	15%
4	11	0121H	6	ADG	15%
5	22	0133H	6	TENDERNESS	10%
6	9	0117H	5.95	MARBLING	20%
7	10	0120H	5.95		
8	65	0214H	5.95		
9	70	0234H	5.95		
10	40	0161H	5.9		
11	58	0196H	5.9		
12	49	0172H	5.85		
13	12	0122H	5.75		
14	23	0134H	5.75		
15	4	0110H	5.7		
16	14	0124H	5.7		
17	25	0137H	5.7		
18	37	0158H	5.7		
19	68	0224H	5.7		
20	34	0151H	5.65		
21	33	0149H	5.6		
22	80	0155H	5.6		
23	60	0202H	5.6		
24	79	0115H	5.55		
25	26	0139H	5.55		
26	29	0143H	5.55		
27	56	0191H	5.55		
28	57	0192H	5.5		
29	73	0245H	5.5		
30	16	0126H	5.45		
31	15	0125H	5.4		
32	32	0148H	5.4		
33	30	0144H	5.35		
34	38	0159H	5.35		
35	41	0163H	5.35		
36	53	0183H	5.35		
37	64	0212H	5.35		
38	24	0136H	5.3		
39	44	0166H	5.3		
40	77	0264H	5.3		
41	5	0111H	5.25		
42	8	0114H	5.25		
43	71	0237H	5.25		
44	21	0132H	5.15		
45	28	0141H	5.15		
46	48	0170H	5.15		
47	62	0207H	5.1		
48	Ref. Sire	KCF Bennett Absolute	5.1		
49	18	0128H	5.05		
50	43	0165H	5.05		
51	13	0123H	5		
52	36	0154H	5		
53	66	0221H	5		
54	3	0107H	4.95		
55	31	0145H	4.95		
56	42	0164H	4.95		
57	54	0184H	4.95		
58	63	0210H	4.95		
59	72	0241H	4.95		
60	75	0256H	4.95		
61	81	0176H	4.9		
62	78	0271H	4.9		
63	6	0112H	4.85		
64	7	0113H	4.85		
65	1	0104H	4.8		
66	17	0127H	4.8		
67	52	0177H	4.8		
68	19	0129H	4.75		
69	39	0160H	4.75		
70	55	0190H	4.75		
71	61	0206H	4.75		
72	2	0106H	4.7		
73	27	0140H	4.7		
74	50	0173H	4.7		
75	59	0197H	4.7		
76	35	0153H	4.6		
77	45	0167H	4.5		
78	46	0168H	4.5		
79	67	0222H	4.5		
80	51	0174H	4.3		
81	47	0169H	4.25		
82	20	0131H	4.2		
83	Ref. Sire	SAV Renown 3439	4.15		