

How to Print Pedigree + EBVs from your Login

1 Log into your Helical Account

The screenshot displays the Helical account dashboard. At the top, there are navigation tabs: Overview (selected), Genomics, Parent Verification, Registrations, and Performance. A left sidebar contains a menu with items like 'board', 'Is', 'Data', 'equests', 'c Trends', 'ers', 'j Planner', and 'nt'. The main content area is divided into several sections:

- Quick Actions:** A section with a collapse button. It contains two buttons: "Show me 128 animals missing genotypes (53% of active animals)" and "Show me 132 animals without any parent verification (55% of active animals)".
- 21182 Owned Active Animals:** A section with a collapse button. It features several data cards:
 - ACTIVE:** 241
 - SEX DISTRIBUTION:** Bull 70%, Steer 0%, Cow 28%
 - GENOTYPED:** 46%
 - REGISTERED:** 88%
 - MATING VERIFIED:** 9%
 - SIRE VERIFIED:** 45%
 - DAM VERIFIED:** 9%
- Performance Statistics:** A section with a collapse button. It shows a bar for "Calving" with an "Overall: 88%" value.

2 Click "Animals"

ANGUS NEW ZEALAND Angus NZ Public Search Logged in as Hollow top Angus [Exit](#)

Warburton Livestock Ltd (21182)

Dashboard **Animals** Import Data Test Requests Genetic Trends Transfers Mating Planner Account

Warburton Livestock Ltd (21182)

Overview Genomics Parent Verification Registrations Performance

Quick Actions [Click to collapse ▲](#)

Click any button to view the matching records.

- Show me 128 animals missing genotypes (53% of active animals)
- Show me 132 animals without any parent verification (55% of active animals)

21182 Owned Active Animals [Click to collapse ▲](#)

ACTIVE 241	SEX DISTRIBUTION Bull 70% Steer 0% Cow 28%	GENOTYPED 46%	REGISTERED 88%	MATING 9%
SIRE VERIFIED 45%	DAM VERIFIED 9%			

3 Click into the search bar to add filtering options to find the animals you wish to print EBVs for.

ANGUS NEW ZEALAND Angus NZ Public Search Logged in as Hollow top Angus [Exit](#)

Warburton Livestock Ltd (21182)

Dashboard **Animals** Import Data Test Requests Genetic Trends Transfers Mating Planner Account

Status:Active x View: Animals Showing all columns

<input type="checkbox"/> Animal ID ↑	Name	Sex	DOB ↑	Owner
<input type="checkbox"/> 2118201304	HOLLOW TOP LAPHROAIG 1304	♂ bull	2013-08-30	21182
<input type="checkbox"/> 2118201305	HOLLOW TOP LAPHROAIG 1305	♂ bull	2013-09-02	21182
<input type="checkbox"/> 2118201306	HOLLOW TOP INSPIRED 1306	♂ bull	2013-08-29	21182
<input type="checkbox"/> 2118201309	HOLLOW TOP EQUATOR 1309	♂ bull	2013-09-06	21182
<input type="checkbox"/> 2118201310	HOLLOW TOP LAPHROAIG 1310	♂ bull	2013-09-03	21182
<input type="checkbox"/> 2118201312	HOLLOW TOP RIGHT TIME 1312	♂ bull	2013-10-13	21182
<input type="checkbox"/> 2118201321	HOLLOW TOP JACKPOT 1321	♂ bull	2013-09-09	21182
<input type="checkbox"/> 2118201322	HOLLOW TOP RIGHT TIME 1322	♂ bull	2013-10-13	21182
<input type="checkbox"/> 2118201404	HOLLOW TOP MYTTY 1404	♂ bull	2014-08-29	21182
<input type="checkbox"/> 2118201406	HOLLOW TOP MYTTY 1406	♂ bull	2014-09-01	21182

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Warburton Livestock Ltd (21182)

Status:Active x Sex: x reset x Q

View: Animals

Showing all columns

- Dashboard
- Animals**
- Import Data
- Test Requests
- Genetic Trends
- Transfers
- Mating Planner

Account

- Values
- Bull
 - Cow
 - Steer

				DOB	Owner
				2013-08-30	21182
				2013-09-02	21182
<input type="checkbox"/>	2118201306	HOLLOW TOP INSPIRED 1306	♂ bull	2013-08-29	21182
<input type="checkbox"/>	2118201309	HOLLOW TOP EQUATOR 1309	♂ bull	2013-09-06	21182
<input type="checkbox"/>	2118201310	HOLLOW TOP LAPHROAIG 1310	♂ bull	2013-09-03	21182
<input type="checkbox"/>	2118201312	HOLLOW TOP RIGHT TIME 1312	♂ bull	2013-10-13	21182
<input type="checkbox"/>	2118201321	HOLLOW TOP JACKPOT 1321	♂ bull	2013-09-09	21182
<input type="checkbox"/>	2118201322	HOLLOW TOP RIGHT TIME 1322	♂ bull	2013-10-13	21182
<input type="checkbox"/>	2118201404	HOLLOW TOP MYTTY 1404	♂ bull	2014-08-29	21182
<input type="checkbox"/>	2118201406	HOLLOW TOP MYTTY 1406	♂ bull	2014-09-01	21182

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Warburton Livestock Ltd (21182)

Status:Active x Sex:Bull x reset x Q

View: Animals

Showing all columns

- Dashboard
- Animals**
- Import Data
- Test Requests
- Genetic Trends
- Transfers
- Mating Planner

Account

- Filters
- Year**
Show individuals born in a year or year range
 - Parent Verification**
Filter individuals by their parent verification status
 - Owner**
Show animals belonging to a stud
 - Breeder**
Show animals bred by a stud
 - Registration**
Show individuals in a register
 - One Of Registrations**
Show animals in at least one of the selected registers
 - Pending Registration**
Only show animals pending registration
 - Genotyped**
Show animals based on their genotyping status
 - Genotype Chip Content**
Show animals with a genotype on the given SNP panels
 - Min Progeny**
Only show animals with at least this many progeny

Page 1 Items per page: 10 1 - 10

6 Click the search icon.

Angus NZ Public Search

Logged in as Hollow top Angus Exit

Search filters: Status:Active x Sex:Bull x Year: 2024

View: Animals Showing all columns Export to CSV

Enter either the year (YYYY) or a range (YYYY-YYYY) and press 'Enter'

	DOB ↑	Owner ID
<input type="checkbox"/> 2118201304 HOLLOW TOP LAPHROAIG 1304 ♂ bull	2013-08-30	21182
<input type="checkbox"/> 2118201305 HOLLOW TOP LAPHROAIG 1305 ♂ bull	2013-09-02	21182
<input type="checkbox"/> 2118201306 HOLLOW TOP INSPIRED 1306 ♂ bull	2013-08-29	21182
<input type="checkbox"/> 2118201309 HOLLOW TOP EQUATOR 1309 ♂ bull	2013-09-06	21182
<input type="checkbox"/> 2118201310 HOLLOW TOP LAPHROAIG 1310 ♂ bull	2013-09-03	21182
<input type="checkbox"/> 2118201312 HOLLOW TOP RIGHT TIME 1312 ♂ bull	2013-10-13	21182
<input type="checkbox"/> 2118201321 HOLLOW TOP JACKPOT 1321 ♂ bull	2013-09-09	21182
<input type="checkbox"/> 2118201322 HOLLOW TOP RIGHT TIME 1322 ♂ bull	2013-10-13	21182
<input type="checkbox"/> 2118201404 HOLLOW TOP MYTTY 1404 ♂ bull	2014-08-29	21182
<input type="checkbox"/> 2118201406 HOLLOW TOP MYTTY 1406 ♂ bull	2014-09-01	21182

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7 Change the view option in the top right hand corner.

Angus NZ Public Search

Logged in as Hollow top Angus Exit

Search filters: Sex:Bull x Year:2024 x Status:Active x

View: Animals Showing all columns Export to CSV

Animal ID ↑	Name	Sex	DOB ↑	Owner ID
<input type="checkbox"/> 211820240033	HOLLOW TOP BLACKROCK 2433	♂ bull	2024-08-30	21182
<input type="checkbox"/> 211820240035	HOLLOW TOP SO RIGHT 2435	♂ bull	2024-09-04	21182
<input type="checkbox"/> 211820240039	HOLLOW TOP SO RIGHT 2439	♂ bull	2024-09-08	21182
<input type="checkbox"/> 211820240040	HOLLOW TOP TESTAMENT 2440	♂ bull	2024-09-11	21182
<input type="checkbox"/> 211820240041	HOLLOW TOP SO RIGHT 2441	♂ bull	2024-09-21	21182
<input type="checkbox"/> 211820240043	HOLLOW TOP NAPA 2443	♂ bull	2024-09-26	21182
<input type="checkbox"/> 211820240044	HOLLOW TOP NAPA 2444	♂ bull	2024-09-27	21182
<input type="checkbox"/> 211820240046	HOLLOW TOP SPECIALIST 2446	♂ bull	2024-10-08	21182
<input type="checkbox"/> 211820240075	HOLLOW TOP SPECIALIST 2475	♂ bull	2024-08-24	21182
<input type="checkbox"/> 211820240080	HOLLOW TOP TESTAMENT 2480	♂ bull	2024-09-01	21182

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8 Click "Pedigree + EBVs"

Angus NZ Public Search Logged in as Hollow top Angus Exit Hollow top Angus

Sex: Bull x Year: 2024 x Status: Active x reset Q View: Animals Showing all columns Export to CSV

Animal ID ↑	Name	Sex	EBVs	Owner ID
<input type="checkbox"/> 211820240033	HOLLOW TOP BLACKROCK 2433	♂ bull	EBV/ACC Pedigree + EBVs	21182
<input type="checkbox"/> 211820240035	HOLLOW TOP SO RIGHT 2435	♂ bull	2024-09-04	21182
<input type="checkbox"/> 211820240039	HOLLOW TOP SO RIGHT 2439	♂ bull	2024-09-08	21182
<input type="checkbox"/> 211820240040	HOLLOW TOP TESTAMENT 2440	♂ bull	2024-09-11	21182
<input type="checkbox"/> 211820240041	HOLLOW TOP SO RIGHT 2441	♂ bull	2024-09-21	21182
<input type="checkbox"/> 211820240043	HOLLOW TOP NAPA 2443	♂ bull	2024-09-26	21182
<input type="checkbox"/> 211820240044	HOLLOW TOP NAPA 2444	♂ bull	2024-09-27	21182
<input type="checkbox"/> 211820240046	HOLLOW TOP SPECIALIST 2446	♂ bull	2024-10-08	21182
<input type="checkbox"/> 211820240075	HOLLOW TOP SPECIALIST 2475	♂ bull	2024-08-24	21182
<input type="checkbox"/> 211820240080	HOLLOW TOP TESTAMENT 2480	♂ bull	2024-09-01	21182

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9 You can change the number of animals shown on the page by clicking the drop down box here.

Animal ID ↑	Sire Animal ID ↑	Dam Animal ID ↑	Laning ease direct (%) ↑	Laning ease daughters (%) ↑	Gestation length (days) ↑	Birth weight (kg) ↑	200 day weight (kg) ↑	400 day weight (kg) ↑	600 day weight (kg) ↑	mature cow weight (kg) ↑	EBV Milk (kg) ↑	Scrotal size (cm) ↑	Days to calving ↑	Carcass weight (kg) ↑
<input type="checkbox"/> 211820240033	12170018602	2118212080	6.6	4.6	-10.1	3.8	54	99	131	137	14	2.5	-5	70
<input type="checkbox"/> 211820240035	AUBLA21S48	2118212056	9.2	5.8	-8.7	-0.9	45	86	109	75	19	1.4	-4	77
<input type="checkbox"/> 211820240039	AUBLA21S48	2118211808	5.4	1.1	-6	3.8	48	85	116	104	17	4	-6	57
<input type="checkbox"/> 211820240040	US20019500	2118212059	-1.9	-0.7	-2.4	5	52	96	119	103	9	3.9	-4	56
<input type="checkbox"/> 211820240041	211820220078	2118211964	8.4	1.6	-8.7	1.6	48	95	122	104	22	3	-6	61
<input type="checkbox"/> 211820240043	21211021S462	2118212069	5.2	2.1	-5.8	4.5	50	87	114	111	14	4	-5	46
<input type="checkbox"/> 211820240044	21211021S462	2118212084	0.3	4.3	2.2	5.8	44	81	108	108	16	2.9	-5	55
<input type="checkbox"/> 211820240046	211820220078	211821160041	6.6	-0.4	-2.8	2.5	43	77	96	70	19	0.4	-5	55
<input type="checkbox"/> 211820240075	US19316692	211821220071	3.6	4.6	-6.4	3.4	57	92	118	84	17	1.5	-6	66
<input type="checkbox"/> 211820240080	US20019500	211821220081	-1.2	-2.8	-2.9	4.7	54	96	123	78	19	2.9	-4	63

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Using your mouse Right-click on your screen and select the print option.

Animal ID ↑	Sire Animal ID ↑	Dam Animal ID ↑	EBV Calving ease direct (%) ↑	EBV Calving ease daughters (%) ↑	EBV Gestation length (days) ↑	EBV Birth weight (kg) ↑	EBV 200 day weight (kg) ↑	EBV 400 day weight (kg) ↑	EBV 600 day weight (kg) ↑	EBV Mature cow weight (kg) ↑	EBV Milk (kg) ↑	EBV Scrotal size (cm) ↑	EBV Days to calving ↑
211820240033	12170018602	2118212080	6.6	4.6	-10.1	3.8	54	99	131	137	14	2.5	-5
211820240035	AUBLA21S48	2118212056	9.2	5.8	-8.7	-0.9	45	86	109	75	19	1.4	-4
211820240039	AUBLA21S48	2118211808	5.4	1.1	-6	3.8	48	85	116	104	17	4	-6
211820240040	US20019500	2118212059	-1.9	-0.7	-2.4	5	52	96	119	103	9	3.9	-4
211820240041	211820220078	2118211964	8.4	1.6	-8.7	1.6	48	95	122	104	22	3	-6
211820240043	21211021S462	2118212069	5.2	2.1	-5.8	4.5	50	87	114	111	14	4	-5
211820240044	21211021S462	2118212084	0.3	4.3	2.2	5.8	44	81	108	108	16	2.9	-5
211820240046	211820220078	211821160041	6.6	-0.4	-2.8	2.5	43	77	96	70	19	0.4	-5
211820240075	US19316692	211821220071	3.6	4.6	-6.4	3.4	57	92	118	84	17	1.5	-6
211820240080	US20019500	211821220081	-1.2	-2.8	-2.9	4.7	54	96	123	78	19	2.9	-4
211820240081	AUBLA21S48	211821210030	2.1	0.9	-5.7	4.9	54	97	125	123	11	2.3	-4
211820240084	US19316692	211821210004	2.8	4	-6.6	3.6	56	97	115	94	15	1.9	-6
211820240085	US20019500	211821210012	5.4	-4.4	-5.3	4.6	56	100	124	100	15	4.1	-6
211820240088	AUNBHP392	211821210021	-1.3	-6.2	-4.1	5.4	58	100	121	104	19	3.5	-5
211820240090	AUNBHP392	211821210002	4.6	2.8	-6.2	3.8	58	96	126	94	23	3.6	-4
211820240093	AUBLA21S48	211821210037	-0.6	-4.9	-2.5	6.2	59	101	125	124	7	2.3	-5
211820240094	21211021S462	211821220058	2.4	3.6	-5.7	4.8	48	93	120	108	11	3.4	-4
211820240096	21211021S462	211821220061	5.7	4.8	-4.9	2.8	47	86	110	91	15	2.7	-5
211820240097	21211021S462	211821210005	3.5	5	-4.4	2.5	40	75	85	78	11	2.3	-6
211820240099	21211021S462	211821220065	5.1	6	-4.2	3.3	48	91	115	99	12	4	-3

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Animal ID ↑	Calving ease direct (%) ↑	Calving ease direct (%) Avg ↑	Calving ease daughters (%) ↑	Calving ease daughters (%) Avg ↑	Gestation length (days) ↑	Gestation length (days) Avg ↑	Birth weight (kg) ↑	Birth weight (kg) Avg ↑	200 day weight (kg) ↑	200 day weight (kg) Avg ↑	400 day weight (kg) ↑	400 day weight (kg) Avg ↑	600 day weight (kg) ↑	600 day weight (kg) Avg ↑	Mature cow weight (kg) ↑	Mature cow weight (kg) Avg ↑	Milk (kg) ↑	Milk (kg) Avg ↑	Scrotal size (cm) ↑	Scrotal size (cm) Avg ↑						
211820240033	6.6	65%	1.7	54%	4.6	1.3	-10.1	82%	3.8	4.2	54	83%	99	79	131	101	137	78%	14	14	2.5	2.1				
211820240035	9.2	64%	1.7	52%	5.8	1.3	-8.7	82%	-4.1	-0.9	45	82%	42	80%	86	79	109	81%	101	75	91	19	14	1.4	78%	2.1
211820240039	5.4	65%	1.7	54%	1.1	1.3	-6	82%	-4.1	3.8	4.2	48	83%	42	85	79	116	81%	101	104	91	17	14	4	79%	2.1
211820240040	-1.9	66%	1.7	52%	-0.7	1.3	-2.4	83%	-4.1	5	4.2	52	83%	42	96	79	119	81%	101	103	78%	9	14	3.9	79%	2.1
211820240041	8.4	62%	1.7	52%	1.6	1.3	-8.7	81%	-4.1	1.6	4.2	48	82%	42	95	79	122	80%	101	104	77%	22	14	3	77%	2.1
211820240043	5.2	64%	1.7	55%	2.1	1.3	-5.8	82%	-4.1	4.5	4.2	50	82%	42	87	79	114	80%	101	111	77%	14	14	4	77%	2.1
211820240044	0.3	62%	1.7	52%	4.3	1.3	2.2	81%	-4.1	5.8	4.2	44	80%	42	81	79	108	80%	101	108	77%	16	14	2.9	77%	2.1
211820240046	6.6	63%	1.7	53%	-0.4	1.3	-2.8	82%	-4.1	-2.8	2.5	43	79%	79	96	79	96	80%	101	70	91	19	14	0.4	77%	2.1
211820240075	3.6	60%	1.7	50%	4.6	1.3	-6.4	84%	-4.1	4.6	4.6	92	70%	79	118	79	118	71%	101	84	91	17	14	1.5	67%	2.1
211820240080	-1.2	65%	1.7	51%	-2.8	1.3	-2.9	82%	-4.1	-2.9	4.7	54	80%	79	96	79	123	81%	101	78	91	19	14	2.9	78%	2.1
211820240081	2.1	65%	1.7	52%	0.9	1.3	-5.7	82%	-4.1	0.9	5.7	49	80%	79	97	79	125	81%	101	123	78%	11	14	2.3	79%	2.1
211820240084	2.8	58%	1.7	46%	4	1.3	-6.6	81%	-4.1	-6.6	3.6	56	81%	79	97	79	115	81%	101	94	91	15	14	1.9	63%	2.1
211820240085	5.4	68%	1.7	54%	-4.4	1.3	-5.3	83%	-4.1	-5.3	4.8	48	81%	79	100	79	124	82%	101	100	78%	15	14	4.1	79%	2.1
211820240088	-1.3	69%	1.7	60%	-6.2	1.3	-4.1	83%	-4.1	-4.1	5.4	58	81%	79	100	79	121	82%	101	104	79%	19	14	3.5	79%	2.1
211820240090	4.6	69%	1.7	59%	2.8	1.3	-6.2	82%	-4.1	2.8	2.8	47	80%	79	96	79	126	82%	101	94	91	23	14	3.6	79%	2.1
211820240093	-0.6	65%	1.7	53%	-4.9	1.3	-2.5	82%	-4.1	-2.5	6.2	59	81%	79	101	79	125	81%	101	124	78%	7	14	2.3	79%	2.1

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This will take you to the print options page. Ensure the layout is 'Landscape' and the paper size is 'A4'. You may need to select 'more settings' to change the paper size. Then select 'Print'.

Print 1 sheet of paper

Destination: Registry Printer

Pages: All

Copies: 1

Layout: Landscape

Colour: Colour

More settings

Paper size: A4 (210 x 297 mm)

Pages per sheet: 1

Margins: Default

Quality: 600 dpi

Scale: Customised (77)

Two-sided: Print on both sides

Print Cancel

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To change the view to EBVs only or EBVs with accuracies in a different column, click the view dropdown box again.

Angus NZ Public Search

Logged in as Hollow top Angus

View: Pedigree EBVs

Animal ID	Sire Animal ID	Dam Animal ID	EBV Calving ease direct (%)	EBV Calving ease daughters (%)	EBV Gestation length (days)	EBV Birth weight (kg)	EBV 200 day weight (kg)	EBV 400 day weight (kg)	EBV 600 day weight (kg)	EBV Mature cow weight (kg)	EBV Milk (kg)	EBV Scrotal size (cm)	EBV Days to calving	EBV Carcass weight (kg)
211820240033	12170018602	2118212080	6.6	4.6	-10.1	3.8	54	99	131	137	14	2.5	-5	70
211820240035	AUBLA21S48	2118212056	9.2	5.8	-8.7	-0.9	45	86	109	75	19	1.4	-4	77
211820240039	AUBLA21S48	2118211808	5.4	1.1	-6	3.8	48	85	116	104	17	4	-6	57
211820240040	US20019500	2118212059	-1.9	-0.7	-2.4	5	52	96	119	103	9	3.9	-4	56
211820240041	211820220078	2118211964	8.4	1.6	-8.7	1.6	48	95	122	104	22	3	-6	61
211820240043	21211021S462	2118212069	5.2	2.1	-5.8	4.5	50	87	114	111	14	4	-5	46
211820240044	21211021S462	2118212084	0.3	4.3	2.2	5.8	44	81	108	108	16	2.9	-5	55
211820240046	211820220078	211821160041	6.6	-0.4	-2.8	2.5	43	77	96	70	19	0.4	-5	55
211820240075	US19316692	211821220071	3.6	4.6	-6.4	3.4	57	92	118	84	17	1.5	-6	66
211820240080	US20019500	211821220081	-1.2	-2.8	-2.9	4.7	54	96	123	78	19	2.9	-4	63
211820240081	AUBLA21S48	211821210030	2.1	0.9	-5.7	4.9	54	97	125	123	11	2.3	-4	70
211820240084	US19316692	211821210004	2.8	4	-6.6	3.6	56	97	115	94	15	1.9	-6	62
211820240085	US20019500	211821210012	5.4	-4.4	-5.3	4.6	56	100	124	100	15	4.1	-6	62
211820240088	AUNBHP392	211821210021	-1.3	-6.2	-4.1	5.4	58	100	121	104	19	3.5	-5	56
211820240090	AUNBHP392	211821210002	4.6	2.8	-6.2	3.8	58	96	126	94	23	3.6	-4	74
211820240093	AUBLA21S48	211821210037	-0.6	-4.9	-2.5	6.2	59	101	125	124	7	2.3	-5	90
211820240094	21211021S462	211821220058	2.4	3.6	-5.7	4.8	48	93	120	108	11	3.4	-4	58
211820240096	21211021S462	211821220061	5.7	4.8	-4.9	2.8	47	86	110	91	15	2.7	-5	55
211820240097	21211021S462	211821210005	3.5	5	-4.4	2.5	40	75	85	78	11	2.3	-6	32
211820240099	21211021S462	211821220065	5.1	6	-4.2	3.3	48	91	115	99	12	4	-3	56

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Click the view you want, and follow the same steps to print.

Angus NZ Public Search Logged in as Hollow top Angus Exit Hollow top Angus

Sex: Bull x Year: 2024 x Status: Active x Q View: Pedigree + EBVs Showing all columns Export to CSV

Animal ID	Sire Animal ID	Dam Animal ID	EBV Calving ease direct (%)	EBV Calving ease daughters (%)	EBV Gestation length (days)	EBV Birth weight (kg)	EBV 200 day weight (kg)	EBV/ACC weight (kg)	EBV/ACC weight (kg)	EBV Mature cow weight (kg)	EBV Milk (kg)	EBV Scrotal size (cm)	EBV Days to calving	EBV Carcass weight (kg)
211820240033	12170018602	2118212080	6.6	4.6	-10.1	3.8	54	99	131	137	14	2.5	-5	70
211820240035	AUBLA21S48	2118212056	9.2	5.8	-8.7	-0.9	45	86	109	75	19	1.4	-4	77
211820240039	AUBLA21S48	2118211808	5.4	1.1	-6	3.8	48	85	116	104	17	4	-6	57
211820240040	US20019500	2118212059	-1.9	-0.7	-2.4	5	52	96	119	103	9	3.9	-4	56
211820240041	211820220078	2118211964	8.4	1.6	-8.7	1.6	48	95	122	104	22	3	-6	61
211820240043	21211021S462	2118212069	5.2	2.1	-5.8	4.5	50	87	114	111	14	4	-5	46
211820240044	21211021S462	2118212084	0.3	4.3	2.2	5.8	44	81	108	108	16	2.9	-5	55
211820240046	211820220078	211821160041	6.6	-0.4	-2.8	2.5	43	77	96	70	19	0.4	-5	55
211820240075	US19316692	211821220071	3.6	4.6	-6.4	3.4	57	92	118	84	17	1.5	-6	66
211820240080	US20019500	211821220081	-1.2	-2.8	-2.9	4.7	54	96	123	78	19	2.9	-4	63
211820240081	AUBLA21S48	211821210030	2.1	0.9	-5.7	4.9	54	97	125	123	11	2.3	-4	70
211820240084	US19316692	211821210004	2.8	4	-6.6	3.6	56	97	115	94	15	1.9	-6	62
211820240085	US20019500	211821210012	5.4	-4.4	-5.3	4.6	56	100	124	100	15	4.1	-6	62
211820240088	AUNBHP392	211821210021	-1.3	-6.2	-4.1	5.4	58	100	121	104	19	3.5	-5	56
211820240090	AUNBHP392	211821210002	4.6	2.8	-6.2	3.8	58	96	126	94	23	3.6	-4	74
211820240093	AUBLA21S48	211821210037	-0.6	-4.9	-2.5	6.2	59	101	125	124	7	2.3	-5	90
211820240094	21211021S462	211821220058	2.4	3.6	-5.7	4.8	48	93	120	108	11	3.4	-4	58
211820240096	21211021S462	211821220061	5.7	4.8	-4.9	2.8	47	86	110	91	15	2.7	-5	55
211820240097	21211021S462	211821210005	3.5	5	-4.4	2.5	40	75	85	78	11	2.3	-6	32
211820240099	21211021S462	211821220065	5.1	6	-4.2	3.3	48	91	115	99	12	4	-3	56