



WAGYU BREEDING VALUE REPORT

September 2026



MARMER WAGYU (PTY) LTD

Herd Number: 8424176

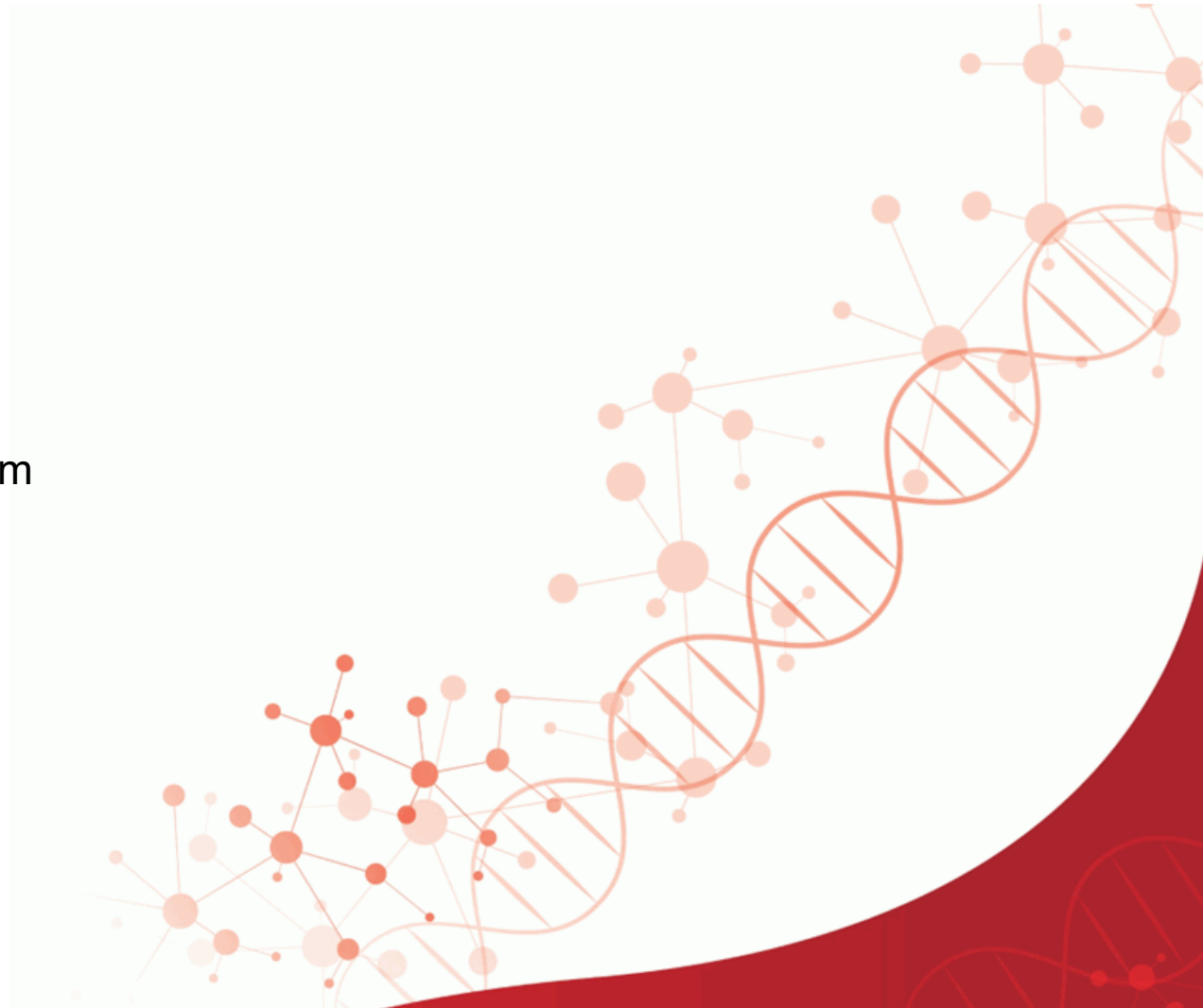
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**WAGYU
SOCIETY**
OF SOUTH AFRICA



**CERTIFICATE
OF QUALITY**
Valid up to
October 2029



Notes

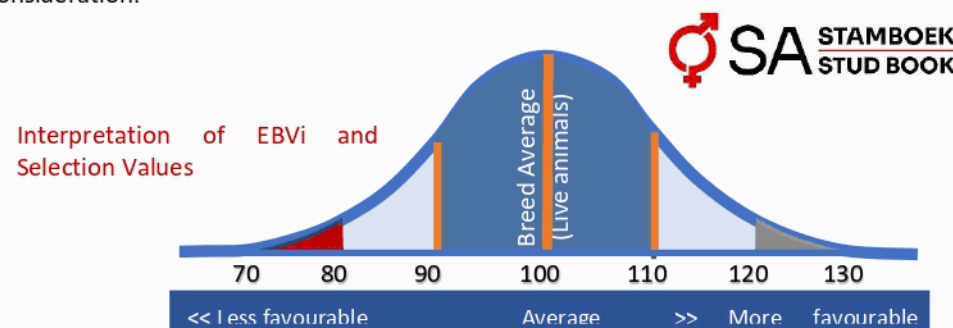
GEBVi (GEBVindex): The average GEBVi of all the live animals in the breed is 100, and all EBVi values are expressed relative to this value. Values above 100 are mostly in a more desirable direction. Note that a very high index is not always desirable. For certain traits, such as birth weight, average values may be better. It is the top value in the list.

GEBV (Genomic Estimated Breeding Value) indicates the genetic potential of the animal for a specific trait. It is presented in the unit of measurement and relative to the average of animals born in the base year. It is the middle value in the list and not available for selection values.

Accuracy: This value gives an indication of how much information was available for breeding value estimation. It is the bottom value in the list.

Selection values combine similar breeding values in a scientific manner to simplify the selection of animals. For example, HF (Heifer Fertility), CF (Cow Fertility) and Longevity are

combined to form the Fertility Value by taking the heritability and economic importance in consideration.

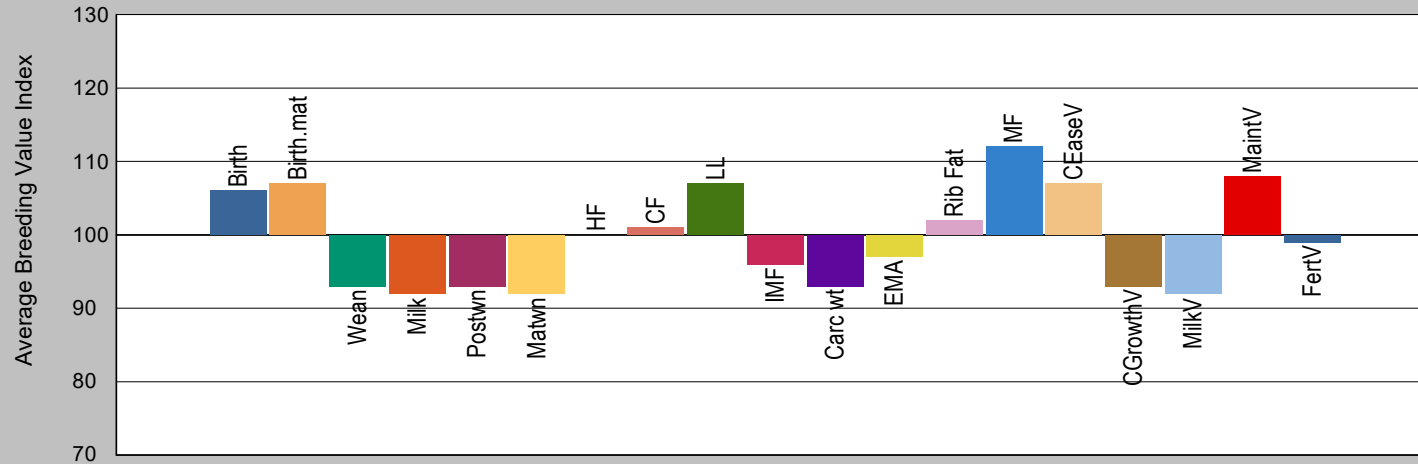


* Depending on selection goal

GEBVi		Description / Measurement	Goal		General Guidelines*					
					80	90	100	110	120	
Selection V.	Calving Ease Value	Difficult calving due to high birth weight	Average birth weight	High						Low
	Calf Growth Value	Calf's genetic ability for prewean growth	Heavy weaner	Light						Heavy
	Milk Value	Cow's genetic mothering and milking ability	Enough milk for calf	Less						More
	Maintenance Value	Maintenance requirement of cow (weight and milk)	Low cow maintenance	High					*	Low
	Fertility Value	Fertility and retention of cows and heifers	Fertile cows	Low						High
Cow & Calf	Birth weight direct	Birth weight (Calf's genetic ability)	Average birth weight	Heavy						Light
	Birth weight mat	Birth weight (Dam's genetic ability)	Easy calving	Heavy						Light
	Weaning weight direct	Weaning weight (Calf's genetic ability)	Heavy weaners	Light						Heavy
	Weaning weight mat	Weaning weight (Dam's genetic ability)	Good mothers	Poor						Good
	Post-wean weight	Combination of EBVs for 12 and 18 month weights	Mature weight	Light				*	*	Heavy
	Mature Cow Weight	Cow weight at weaning of first three calves	Mature cow weight	Light				*	*	Heavy
Ferti.	Heifer Fertility	Age at first calving	Fertile heifers	Less						More
	Cow Fertility	First 3 inter-calving periods (ICPs)	Fertile cows	Less						More
	Longevity	Retention of progeny	Acceptable progeny	Poor						Good
Carcass	IMF	Intra-muscular-fat, Marbling	High quality carcass	Less						More
	Carcass weight	Weight of the carcass	High quality carcass	Light						Heavy
	EMA	Eye-muscle-area at the 12/13th rib of the dressed carcass	High quality carcass	Small						Large
	Rib Fat	Rib fat depth at the 12/13th rib of the dressed carcass	High quality carcass	Thin						Thick
	Marbling Fineness	Degree of fineness of marbling fat	High quality carcass	Low						High

Herd and Breed Averages

Number 133



Breeding Values (EBV):

Birth: Birth weight
Wean: Weaning weight
Birth.mat: Birth mat
Milk: Milk
Postwn: Postwean weight
Matwt: Mature weight
HF: Heifer Fertility
CF: Cow Fertility
LL: Longevity

IMF: Marbling
Carcwt: Carcass wt
EMA: Eye muscle area
RibFatt: Rib Fat thickness
MF: Marbling Fineness

Selection values:

CEaseV: Calving Ease Value
CGrowthV: Calf Growth Value
MilkV: Milk Value
MaintV: Maintenance Value
FertV: Fertility Value

	Trait	EBV Herd	EBV Index	EBV Breed
Prewean growth	Birth Weight	0.67	106	1.23
	Wean Weight	0.3	93	2.9
	Birth Mat.	-0.66	107	-0.38
	Milk (Wn.Mat.)	4.6	92	8.7
Postwean growth	Postwean wt	1.4	93	6.4
	Mature weight	-5	92	6
	Heifer Fertility	-2.7	100	-2.9
Fertility	Cow Fertility	0.2	101	0.5
	Longevity	8.2	107	5.2
Carcass	IMF	0.3	96	0.8
	Carcass weight	-4.2	93	0.8
	EMA	0.4	97	0.8
	Rib Fat	0.1	102	-0.1
	MF	1.5	112	-0.5

Selection Value	Herd Avg
Calving Ease Value	107
Calf Growth Value	93
Milk Value	92
Maintenance Value	108
Fertility Value	99

- Average of live animals in the breed: 100
- Above 100: **more favourable**,
- Below 100: **less favourable**

What does a sub-selection value above breed average (100) mean?:

Calving ease: Smaller calf at birth - easier calving

Calf growth: Heavier calves at wean due to growth potential of the calf

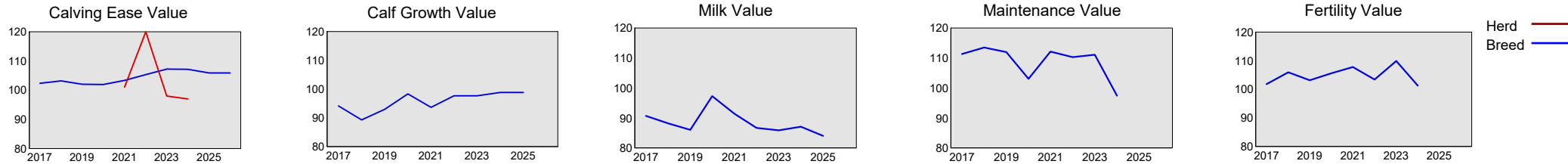
Milk: Cows with more milk and better mothering ability

Maintenance: Animals with low maintenance requirements (lower mature weight).

Fertility: Cows/daughters that calve

Genetic Trends for On-Farm Traits

The graphs show the genetic gain of the herd relative to the breed. Only data of animals with measurements are included.



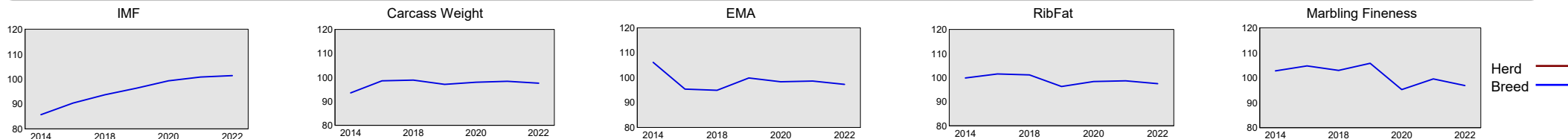
Herd

Birth Year	Calving Ease				Calf Growth			Milk			Maintenance				Fertility								
	Birth Weight		Dir	Mat	Calv. Ease	Weaning Weight		Calf Growth	Milk (Wn.Mat.)		Milk	Postwean Weight		Mature Weight		Maintenance	Heifer Fert.		Cow Fert.		Longevity		Fertility
	Number	EBV				Number	EBV		Number	EBV		Number	EBV	Number	EBV		Number	EBV	Number	EBV	Number	EBV	
2017																					22	-4.1	
2018																					9	-1.6	
2019	19	-0.33	-0.44	107											3		-2.4			22	-0.3	100	
2020																					15	-0.7	
2021	3	0.43	0.45	101																	17	0.4	
2022	1	-0.40	-0.46	122																	21	-0.6	
2023	3	1.56	-0.42	98																			
2024	1	0.81	0.92	97																			
2025																							
2026																							

Breed

Birth Year	Calving Ease				Calf Growth			Milk			Maintenance					Fertility						
	Birth Weight		Mat EBV	Calv. Ease	Weaning Weight		Calf Growth	Milk (Wn.Mat.)		Milk	Postwean Weight		Mature Weight		Maintenance	Heifer Fert.		Cow Fert.		Longevity		Fertility
	Number	Dir EBV			Number	EBV		Number	EBV		Number	EBV	Number	EBV		Number	EBV	Number	EBV	Number	EBV	
2016	667	0.14	0.06	106	280	0.5	94	280	6.43	96	213	2.7	17	-11	110	777	-1.4	388	-0.8	6318	-0.5	102
2017	787	0.41	0.21	102	405	0.6	94	405	3.76	91	309	0.1	33	-9	111	791	-1.9	308	-0.6	10308	-0.4	102
2018	1180	0.44	0.12	103	815	-1.4	89	815	2.45	88	823	-0.9	19	-23	113	665	-4.6	407	-1.0	9232	2.0	106
2019	1379	0.55	0.15	102	901	0.1	93	901	1.30	86	896	0.6	27	-30	112	1006	-2.8	469	-0.6	11910	1.7	103
2020	2115	0.65	-0.03	102	556	2.3	98	556	7.29	97	273	6.2	24	-7	103	665	-4.3	269	-1.0	11395	1.2	106
2021	2374	0.55	-0.10	103	589	0.4	94	589	4.13	91	253	0.2	19	-6	112	405	-6.0	158	-1.5	9292	1.5	108
2022	2062	0.42	-0.18	105	461	2.0	98	461	1.65	87	246	2.4	15	15	110	306	-2.8	72	-0.6	4200	2.1	103
2023	1637	0.34	-0.31	107	461	2.0	98	461	1.21	86	160	2.0	5	-3	111	121	-6.6	11	-0.6			110
2024	1413	0.39	-0.30	107	311	2.5	99	311	1.86	87	36	14.0			97	15	-2.4					101
2025	1478	0.37	-0.14	106	386	2.5	99	386	0.24	84												
2026	307	0.25	-0.03	106																		

Genetic Trends for Carcass Traits



Herd

Birth Year	Carcass														
	IMF			Carcass weight			EMA			RibFat			Marble Fineness		
	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi
2014															
2017															
2018															
2019															
2020															
2021															
2022															
2023	3	0.0	94	3	-13.2	80	3	-1.4	86	3	1.0	112	3	3.5	125

Breed

Birth Year	Carcass														
	IMF			Carcass weight			EMA			Rib Fat			Marble Fineness		
	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi
2013	17	0.6	99	776	-0.1	99	361	0.8	100	346	0.2	103	5	-4.6	74
2014	16	-1.0	86	541	-3.8	94	301	1.7	106	269	-0.1	100	4	0.0	103
2015	36	-0.5	90	589	-7.1	89	548	1.0	102	520	-0.1	100	6	0.3	105
2016	124	-0.8	87	588	-0.3	98	322	0.1	96	211	0.3	105	5	2.1	117
2017	732	-0.4	90	1244	-0.2	99	1116	0.1	95	272	0.0	102	17	0.3	105
2018	1946	0.0	94	1969	0.0	99	1940	0.0	95	87	0.0	101	22	0.0	103
2019	2812	0.3	96	2823	-1.3	97	2753	0.8	100	212	-0.5	96	61	0.4	106
2020	4627	0.7	99	4682	-0.6	98	4656	0.5	98	713	-0.3	98	92	-1.2	95
2021	3444	0.9	101	3606	-0.3	98	3596	0.6	99	3275	-0.2	99	531	-0.6	99
2022	3277	1.0	101	3324	-0.9	98	3275	0.4	97	3191	-0.3	97	2749	-1.0	97
2023	1839	1.1	103	1845	1.3	101	1836	0.6	99	1795	0.0	101	1841	-1.0	96
2024	17	-0.6	89	17	1.3	101	17	0.5	98	16	-0.5	96	17	0.1	103

WAGYU Sires

Sire				Growth						Carcass					Stats				
ID	Parentage	Sire ID		Birth weight	Wean weight	12 mnth weight	18 mnth weight	Mature weight	Milk	IMF	Carcass weight	EMA	Rib Fat	Marble Fineness	Herds	Progeny	Daughters with calves	Active 2yrs & older	Carcasses
Name	Gen. DNA	Dam ID																	
AKAUSHI																			
AW 200003		✓	HBCFV2139	95	124	116	118	109	85	108	99	101	51	58					
FB		✓	OHVFA0045	1.68	12.4	16.2	21.7	19	0.8	1.8	-0.1	0.9	-4.7	-7.1	2	58		13	
AW200003				60%	44%	55%	53%	40%	38%	74%	73%	67%	62%	51%					
BA 150369		✓	HBCFV2139	93	108	103	106	93	82	143	99	121	104	65					
FB		✓	B563	1.94	6.1	8.1	12.6	-4	-0.9	6.2	0.0	3.9	0.3	-6.1	26	654	55	104	46
WOODVIEW MR MARBLING				96%	83%	69%	55%	35%	69%	89%	88%	84%	73%	51%					
JAPANESE BLACK																			
148BE			J10632	134	81	75	73	69	72	138	51	111	96	94					
FB			85H	-2.04	-4.9	-9.8	-13.4	-39	-6.1	5.6	-33.7	2.4	-0.5	-1.4	88	1670	582	199	34
ITOSHIGENAMI 148BE				99%	99%	99%	99%	99%	99%	99%	99%	99%	99%	99%					
AW 190027		✓✓	SMOFF0126	123	89	80	80	71	72	83	79	69	161	160					
FB		✓✓	BA 130990	-1.03	-1.6	-6.5	-8.2	-36	-6.3	-1.3	-13.8	-4.1	5.7	9.0	1	43	1	4	
AW190027				89%	88%	88%	88%	87%	87%	89%	89%	89%	89%	88%					
AW 190051		✓	AACFF0758	87	118	110	109	106	85	96	140	102	77	72					
FB		✓	AACFK1310	2.46	10.3	12.3	14.8	15	0.9	0.3	28.8	1.1	-2.3	-4.9	2	44	1	2	
ABSOLUTE GENETIC AW190051				84%	83%	82%	83%	82%	82%	86%	86%	85%	85%	84%					
AW 190100		✓✓	PWYPM0775	113	96	88	89	82	75	87	52	79	60	120					
PBD		✓✓	AW 160009	-0.04	1.2	-1.2	-0.9	-20	-4.7	-0.9	-33.0	-2.5	-3.9	2.7	2	25	1	2	
AW190100				86%	84%	85%	84%	84%	84%	86%	86%	86%	86%	85%					
AW 200010		✓✓	BDWFM0477	119	90	88	91	83	77	123	91	95	151	120					
FB		✓✓	CWBFBFA 170420	-0.63	-1.2	-1.7	0.6	-19	-3.5	3.7	-5.2	-0.1	4.8	2.7	2	17		7	
AW200010				85%	85%	85%	84%	84%	84%	87%	87%	86%	85%	84%					
AW 200035		✓	BDWFM0477	120	85	80	83	77	69	106	86	89	135	131					
FB		✓	AW 170112	-0.67	-3.1	-6.3	-5.9	-26	-7.7	1.5	-9.2	-1.0	3.2	4.5	2	31		11	
AW200035				45%	36%	37%	32%	32%	34%	41%	41%	38%	38%	27%					
AW 200037		✓	SMOFF0126	106	111	107	107	89	82	95	104	113	132	129					
FB		✓	CCOFA0089	0.62	7.5	10.3	13.3	-10	-0.8	0.1	3.3	2.8	2.9	4.2	2	7		2	
AW200037				53%	42%	44%	46%	42%	41%	47%	47%	44%	42%	32%					
AW 220004		✓	ADBFL0010	115	100	94	95	84	72	107	94	114	120	116					
FB		✓	AW 190008	-0.27	2.9	2.5	3.7	-16	-6.0	1.7	-3.5	2.9	1.8	2.1	2	13		1	
AW220004				40%	30%	31%	29%	28%	29%	35%	35%	33%	32%	26%					

WAGYU Sires

Sire				Growth						Carcass					Stats				
ID	Parentage	Sire ID		Birth weight	Wean weight	12 mnth weight	18 mnth weight	Mature weight	Milk	IMF	Carcass weight	EMA	Rib Fat	Marble Fineness	Herds	Progeny	Daughters with calves	Active 2yrs & older	Carcasses
Name	Gen. DNA	Dam ID																	
JAPANESE BLACK																			
BYWFH0224		IMJFQ3161		141	79	73	76	65	73	143	61	112	82	82					
FB		BYWFY0385		-2.72	-5.7	-10.8	-11.1	-44	-5.7	6.3	-26.9	2.7	-1.9	-3.3	18	53	13	11	5
BLACKMORE KINUSURUKIKU H224 (AI)				79%	59%	65%	46%	56%	66%	59%	58%	51%	49%	24%					
CLW 190013	✓	BDWFM0495		126	62	59	65	63	76	100	111	93	122	114					
FB	✓	JR 150004		-1.33	-12.4	-19.3	-20.1	-47	-3.9	0.8	8.7	-0.3	2.0	1.7	2	11	1	5	
CLW190013				75%	47%	51%	46%	36%	46%	59%	59%	55%	52%	40%					
CLW 190014	✓	BDWFM0495		105	73	69	75	62	77	110	107	115	106	98					
FB	✓	JR 150005		0.73	-8.0	-13.3	-12.2	-48	-3.6	2.1	5.5	3.1	0.5	-0.8	2	17		4	
CLW190014				80%	46%	51%	47%	37%	44%	56%	56%	53%	49%	36%					
KI 140006		OVE 080002		139	73	71	78	71	72	82	58	95	50	114					
FB		BA 080212		-2.51	-8.0	-12.0	-9.9	-35	-5.9	-1.5	-29.1	0.0	-4.8	1.7	2	50	5	9	4
KI 140006				92%	89%	89%	89%	88%	89%	90%	90%	90%	89%	88%					
MAR 170002		KI 140008		116	94	86	87	82	74	89	56	76	103	144					
FB		KI 140001		-0.37	0.6	-2.5	-2.9	-19	-4.9	-0.6	-30.6	-2.9	0.2	6.6	1	32	1	9	1
MERWE MAR02				54%	45%	48%	38%	28%	38%	60%	59%	57%	52%	40%					
MAR 170003		KI 140008		100	99	90	89	87	73	95	89	119	75	107					
FB		KI 140015		1.19	2.6	0.0	-1.3	-12	-5.8	0.2	-6.8	3.7	-2.5	0.7	1	29	1	11	1
MERWE MAR03				62%	46%	49%	40%	39%	42%	58%	58%	56%	52%	40%					
MAR 180004		BA 150369		100	97	91	92	90	78	111	98	102	101	97					
PBD		PK 140012		1.22	1.7	0.4	1.4	-8	-3.1	2.2	-0.9	1.0	0.0	-0.9	1	8	1	2	
MARBLE				63%	49%	44%	38%	30%	44%	55%	54%	52%	46%	34%					
MAR 190005	✓	KI 140006		133	75	71	74	79	74	81	77	89	74	122					
FB	✓	PK 140012		-1.94	-7.2	-12.0	-12.5	-24	-5.3	-1.7	-15.4	-0.9	-2.6	3.0	2	8		4	
ARNOLD				69%	39%	39%	38%	32%	38%	46%	45%	44%	39%	31%					
MAR 200007	✓	BYWFH0224		134	66	61	66	56	73	116	84	115	90	96					
FB	✓	EBF 160005		-2.02	-10.8	-18.2	-19.4	-57	-5.4	2.8	-10.5	3.0	-1.0	-1.1	1	9			
BIG B				52%	41%	44%	31%	30%	40%	41%	41%	37%	33%	20%					
SWK 210153		CCOFG0113		117	96	97	93	99	85	130	100	107	113	91					
FB		SWK 190061		-0.47	1.4	4.5	2.2	5	0.5	4.6	0.5	1.8	1.2	-1.9	9	311	5	100	
ITOSHIGENAMI				97%	96%	95%	95%	95%	95%	95%	95%	94%	94%	94%					
TF930038		PR900026		106	93	92	97	88	103	84	109	76	114	120					
FB		PR870018		0.67	0.1	1.3	4.9	-11	10.5	-1.3	7.2	-2.9	1.2	2.7	23	81	44	17	2
TF ITOHANA 2				73%	37%	51%	48%	33%	40%	49%	50%	44%	35%	19%					

WAGYU Dams

Dam			Growth					Carcass					Stats				
ID	Parentage	Sire ID	Birth weight	Wean weight	12 mnth weight	18 mnth weight	Mature weight	Milk	IMF	Carcass weight	EMA	Rib Fat	Marble Fineness	Herds	Progeny	Active 2yrs & older	Carcasses
Name	Gen. DNA	Dam ID															
JAPANESE BLACK																	
AL 150001	✓ D0550		116	86	82	84	72	87	104	113	121	85	87	1	7	6	1
FB	✓ KSOFH0044		-0.31	-2.9	-5.4	-5.1	-33	1.9	1.3	10.1	4.0	-1.6	-2.6				
HIKOHIME F001(ET)(AUS)			72%	38%	36%	34%	18%	34%	56%	57%	53%	48%	37%				
AW 170105	✓ BA 150369		92	128	122	124	110	96	117	96	124	87	78	1	4	3	
PBD	✓ BA 120775		1.98	14.0	20.0	26.2	20	6.5	3.0	-2.3	4.5	-1.4	-4.0				
AW170105			85%	83%	85%	84%	81%	82%	83%	83%	83%	82%	81%				
AW 190022	✓ SMOFF0154		116	91	85	84	81	81	87	70	80	82	127	1	4		
FB	✓ BA 130993		-0.35	-0.5	-3.0	-5.2	-22	-1.6	-0.9	-20.3	-2.4	-1.8	3.8				
AW190022			86%	85%	85%	85%	84%	85%	86%	86%	86%	85%	85%				
AW 190034	✓ SMOFF0126		115	102	94	96	82	77	87	97	88	116	129	1	3	1	
FB	✓ BA 120645		-0.25	3.6	2.4	4.5	-19	-3.5	-0.9	-1.6	-1.0	1.4	4.1				
AW190034			86%	85%	85%	85%	85%	85%	85%	86%	85%	85%	84%				
AW 190036	✓ SMOFF0126		123	107	101	101	84	72	113	81	108	124	119	1	3	2	
FB	✓ BA 130879		-1.00	5.8	6.8	8.0	-16	-5.9	2.5	-12.8	2.0	2.2	2.6				
AW190036			89%	87%	87%	87%	87%	87%	88%	88%	88%	88%	87%				
AW 190049	✓ AACFF0758		88	116	108	106	105	80	93	125	96	94	92	2	2	2	
FB	✓ AACFK1310		2.38	9.4	10.8	12.1	14	-2.0	-0.1	18.4	0.1	-0.7	-1.7				
ABSOLUTE GENETIC AW190049			84%	83%	83%	83%	82%	82%	84%	84%	84%	83%	83%				
AW 190058	✓ BDWFM0495		128	68	65	72	64	76	102	87	99	88	108	1	4	1	
FB	✓ AW 160006		-1.49	-10.0	-15.8	-14.5	-45	-4.1	1.1	-8.7	0.7	-1.3	0.8				
AW190058			57%	49%	53%	50%	41%	47%	55%	55%	53%	48%	37%				
AW 190094	✓ PWYPM0775		118	100	93	94	86	76	96	56	102	71	116	1	3	1	
PBD	✓ BA 130879		-0.52	2.8	1.7	3.0	-14	-4.2	0.3	-30.5	1.1	-2.9	2.1				
AW190094			87%	85%	86%	86%	85%	85%	87%	87%	87%	87%	86%				
AW 200002	✓ BDWFM0477		113	102	102	105	94	88	104	93	97	120	113	1	4		
FB	✓ BA 130880		-0.04	3.7	7.0	11.7	-3	2.6	1.4	-3.9	0.4	1.8	1.6				
AW200002			86%	85%	85%	85%	85%	85%	85%	85%	85%	85%	84%				
AW 200005	✓ AACFF0758		92	141	128	125	124	80	90	115	90	148	132	1	2	1	
FB	✓		2.02	19.6	23.8	26.7	40	-1.9	-0.5	11.3	-0.8	4.5	4.6				
AW200005			85%	84%	83%	84%	83%	83%	85%	85%	84%	84%	84%				
AW 200032	✓ SWK 180004		132	77	72	75	76	72	89	81	100	101	123	1	2		
FB	✓ AW 160010		-1.87	-6.5	-11.4	-12.1	-29	-6.0	-0.6	-12.3	0.9	0.0	3.2				
AW200032			46%	42%	39%	40%	33%	38%	47%	48%	45%	42%	32%				
AW 210001	✓ AW 190038		110	101	96	96	93	79	108	94	114	81	89	1	2		
PBD	✓ AW 190006		0.24	3.4	3.7	4.3	-4	-2.3	1.8	-3.1	2.9	-2.0	-2.2				
AW210001			47%	33%	31%	27%	23%	25%	34%	34%	32%	33%	27%				

WAGYU Dams

Dam			Growth					Carcass					Stats				
ID	Parentage	Sire ID	Birth weight	Wean weight	12 mnth weight	18 mnth weight	Mature weight	Milk	IMF	Carcass weight	EMA	Rib Fat	Marble Fineness	Herds	Progeny	Active 2yrs & older	Carcasses
Name	Gen. DNA	Dam ID															
JAPANESE BLACK																	
AW 210004		SMOFF0126	118	100	95	95	84	78	115	98	97	139	120	1	1	1	
FB		SMOFD0133	-0.53	2.8	2.7	3.4	-17	-2.8	2.7	-0.7	0.3	3.7	2.7				
AW210004			87%	86%	86%	86%	85%	86%	86%	86%	86%	86%	85%				
AW 210006		SMOFF0154	111	89	82	80	86	75	112	88	83	110	114	1	2		
PBD		AW 160011	0.19	-1.6	-5.1	-8.4	-14	-4.8	2.4	-7.7	-1.8	0.8	1.7				
AW210006			55%	44%	46%	44%	40%	43%	51%	51%	49%	48%	43%				
AW 210014		SMOFF0126	115	113	106	106	92	78	84	94	98	134	146	1	2		
PBD		BB 150134	-0.18	8.0	9.7	12.3	-5	-3.1	-1.3	-3.7	0.5	3.2	6.8				
AW210014			53%	38%	48%	42%	36%	37%	48%	48%	45%	43%	32%				
AW 210021		BA 150369	110	101	99	103	98	90	111	108	100	108	90	1	3	2	
PBD		BA 150497	0.26	3.4	5.2	9.9	3	3.7	2.1	6.5	0.7	0.7	-2.1				
AW210021			55%	45%	39%	31%	24%	39%	49%	49%	47%	41%	29%				
AW 210031		AW 190038	106	103	93	90	93	71	121	111	110	88	77	1	1		
FB		AW 180081	0.69	4.0	1.8	-0.6	-4	-6.7	3.5	8.7	2.3	-1.3	-4.2				
AW210031			53%	41%	34%	35%	29%	32%	40%	41%	39%	38%	33%				
AW 210034		AW 180077	103	108	96	95	89	70	96	99	70	155	143	1	1		
FB		AW 190032	0.96	6.0	3.5	3.6	-9	-7.3	0.3	0.1	-3.9	5.2	6.3				
AW210034			56%	44%	37%	33%	24%	30%	44%	44%	41%	41%	32%				
CLW 180019		AF320	93	139	139	140	129	104	63	125	77	109	120	2	3		
PBD		BB 150141	1.89	18.7	30.2	39.1	48	11.0	-3.9	18.2	-2.8	0.8	2.7				
CLW180019			50%	32%	34%	28%	24%	25%	42%	42%	36%	34%	25%				
CLW 200001		BDWFM0495	118	67	64	70	62	77	110	107	115	106	98	2	2	2	
FB		JR 150005	-0.55	-10.2	-16.3	-15.7	-48	-3.6	2.1	5.5	3.1	0.5	-0.8				
CLW200001			63%	46%	51%	47%	37%	44%	56%	56%	53%	49%	36%				
CLW 200007		BDWFM0495	94	83	86	89	92	108	102	107	95	110	103	2	4	1	
FB		CWBFCLW 170003	1.79	-3.9	-2.6	-0.9	-5	12.7	1.1	5.8	0.0	0.9	-0.1				
CLW200007			52%	40%	44%	42%	36%	39%	46%	46%	44%	40%	30%				
CLW 200008		FGW 120001	105	111	104	106	96	84	89	102	103	98	108	2	3	1	
PBD		WAP 180006	0.78	7.3	8.8	11.8	0	0.0	-0.6	2.0	1.2	-0.3	0.7				
CLW200008			72%	50%	45%	41%	41%	47%	49%	49%	45%	36%	27%				
CLW 200021		DJV 140002	126	94	86	89	79	73	112	99	92	127	111	1	1	1	
FB		BA 160664	-1.24	0.7	-2.5	-1.3	-24	-5.5	2.4	0.3	-0.5	2.5	1.3				
CLW200021			73%	34%	32%	28%	27%	30%	51%	51%	48%	48%	39%				
CLW 200025		BDWFM0495	120	65	62	67	63	76	104	112	102	122	110	1	1	1	
FB		JR 150004	-0.74	-11.3	-17.8	-18.3	-47	-4.1	1.3	9.0	1.0	2.0	1.2				
CLW200025			59%	47%	51%	46%	36%	46%	56%	56%	53%	48%	36%				

WAGYU Dams

Dam				Growth					Carcass					Stats								
ID	Parentage	Sire ID		Birth weight	Wean weight	12 mnth weight	18 mnth weight	Mature weight	Milk	IMF	Carcass weight	EMA	Rib Fat	Marble Fineness	Herds	Progeny	Active 2yrs & older	Carcasses				
Name		Gen. DNA	Dam ID																			
JAPANESE BLACK																						
CLW 210003			CLW 170004	103	100	91	90	88	72	94	105	102	116	120	1	2	1					
PBD			CLW 170001	0.90	3.0	0.5	0.0	-11	-6.0	0.1	4.4	1.0	1.4	2.7								
CLW210003				65%	29%	31%	31%	23%	30%	41%	41%	39%	37%	27%								
CLW 210005			CLW 170004	127	105	96	96	94	81	83	96	91	101	119	1	1	1					
PBD			HJ 140010	-1.42	4.8	3.4	4.7	-3	-1.1	-1.3	-2.2	-0.6	0.0	2.6								
CLW210005				67%	31%	31%	28%	22%	32%	42%	41%	39%	35%	24%								
EBF 160005			MOYFF0054	126	53	49	55	47	74	88	107	117	99	110	4	6	2					
FB			KSOFH0053	-1.32	-16.0	-25.6	-27.7	-70	-5.2	-0.7	6.0	3.4	-0.2	1.1								
EBF16005				67%	56%	60%	41%	18%	47%	57%	57%	54%	46%	33%								
FB37502			USAFB6204	124	93	91	92	90	95	100	104	95	105	105	1	1	1					
FB			FB17258	-1.06	0.0	0.3	1.5	-8	5.9	0.8	3.3	0.0	0.4	0.4								
MG MS KITASEKI 104A				16%	11%	12%	10%	7%	12%	12%	12%	11%	10%	8%								
JR 150008			MOYFF0054	125	68	64	70	59	76	93	104	99	109	111	3	9	6					
FB			KJDFE0004	-1.15	-10.1	-16.2	-16.2	-52	-4.3	-0.1	3.3	0.6	0.7	1.3								
JR 150008				72%	49%	49%	41%	18%	49%	59%	59%	56%	47%	34%								
LP 180003			WKSFS0100	148	70	65	67	66	81	126	77	122	78	85	2	5	1					
FB			FB21541	-3.45	-9.3	-15.8	-18.0	-43	-1.5	4.1	-15.2	4.2	-2.2	-2.8								
LP BEULAH				54%	46%	62%	61%	17%	48%	38%	48%	44%	44%	24%								
LP 180004			IMUFP0036	111	101	103	108	96	102	96	100	97	118	111	2	5	3					
FB			FB24518	0.17	3.4	8.2	13.8	0	9.7	0.3	0.9	0.3	1.6	1.3								
LP CLAUDIA				66%	57%	59%	63%	33%	58%	48%	48%	45%	44%	33%								
LP 180010			ETJ001	110	96	94	100	82	84	85	95	105	86	105	2	5	1					
FB			FB21116	0.25	1.2	2.3	7.1	-19	0.2	-1.2	-2.6	1.6	-1.5	0.4								
LP GALILEE				56%	45%	61%	62%	39%	45%	45%	45%	44%	41%	33%								
MAR 180027			KI 140006	114	87	91	93	99	105	83	85	94	78	108	1	1	1					
F1				-0.13	-2.4	0.4	2.4	5	11.2	-1.3	-9.5	-0.1	-2.2	0.7								
MERWE MAR18B27				47%	28%	29%	28%	20%	26%	32%	32%	31%	27%	21%								
MAR 190006			MAR 170003	77	113	104	103	88	75	103	94	102	80	102	1	4	1					
FB			AW 170007	3.47	8.1	8.3	10.0	-11	-4.5	1.2	-3.3	1.1	-2.0	-0.2								
BEAUTY				68%	32%	33%	27%	29%	29%	39%	39%	37%	34%	26%								
MAR 210161			MAR 170002	93	100	101	101	105	107	87	84	85	105	123	1	1	1					
F1				1.90	3.1	7.0	8.1	13	12.2	-0.9	-10.2	-1.6	0.4	3.1								
MAR210161				27%	23%	24%	19%	14%	19%	30%	30%	28%	26%	20%								
MAR11				108											1	1	1					
BS				0.41																		
MERWE 11				28%																		

WAGYU Dams

Dam				Growth						Carcass					Stats			
ID	Parentage	Sire ID		Birth	Wean	12 mnth	18 mnth	Mature	Milk	IMF	Carcass	EMA	Rib Fat	Marble	Herds	Progeny	Active	
Name	Gen.	DNA	Dam ID	weight	weight	weight	weight	weight			weight			Fineness			2yrs & older	Carcasses
JAPANESE BLACK																		
MAR32				95														
BS				1.73											1	1	1	
MERWE 32				28%														
PAL 190011	✓	PWYPM0775		112	103	95	95	89	70	95	54	102	62	113				
PBD	✓	AW 170012		0.10	4.0	3.2	3.8	-10	-7.2	0.2	-31.3	1.2	-3.7	1.7	1	2	1	
PAL190011				55%	32%	42%	35%	22%	29%	53%	53%	50%	49%	38%				
PK 140012	✓	KJDFC0087		108	86	78	78	87	74	79	96	83	97	130				
FB	✓	PK 110002		0.49	-2.8	-7.4	-9.8	-12	-5.2	-1.8	-1.8	-1.9	-0.4	4.3	4	11	1	
CHRISTENE				68%	53%	54%	52%	50%	54%	64%	64%	62%	55%	44%				
WAP 150001	✓	MOYFF0054		116	65	64	68	63	78	93	79	102	124	129				
FB	✓	SFWFG0039		-0.36	-11.1	-16.1	-17.1	-46	-2.7	0.0	-14.3	1.1	2.2	4.1	9	17	7	2
MOYF054'S				65%	41%	48%	45%	17%	43%	60%	60%	55%	49%	33%				

WAGYU Bulls

Inbreeding >6% is high					<75	75 - 125	>125	Breeding values with an accuracy < 5% are not printed																
Bull					Selection Value					Calf weight		Mother		Growth		Fertility			Carcass					
ID	%Inbreeding	Parentage			Calving Ease Value	Calf Growth Value	Milk Value	Maintenance Value	Fertility Value	Birth Weight	Wean Weight	Birth Mat.	Milk (Wn.Mat.)	Postwean Weight	Mature Weight	Heifer Fertility	Cow Fertility	Longevity	IMF	Carcass Weight	EMA	Rib Fat	Marbling	Fineness
Name		Genomic	DNA	Sire ID Dam ID																				
JAPANESE BLACK																								
MAR 180004				BA 150369	104	97	78	110	130	100	97	108	78	92	90	125	131	144	111	98	102	101	97	
PBD				PK 140012	60%	49%	44 %	30%	34%	1.22	1.7	-0.67	-3.1	0.5	-8	-17.7	-5.2	24.1	2.2	-0.9	1.0	0.0	-0.9	
MERWE MARBLE										63 %	49 %	50%	44%	41%	30%	45%	22%	65 %	55 %	54 %	52 %	46 %	34 %	
MAR 200007	1			BYWFH0224	109	66	73	144	93	134	66	129	73	63	56	92	98	122	116	84	115	90	96	
FB				EBF 160005	51%	41%	40 %	30%	28%	-2.02	-10.8	-1.46	-5.4	-19.2	-57	1.7	1.2	14.8	2.8	-10.5	3.0	-1.0	-1.1	
MERWE BIG B										52 %	41 %	45%	40%	38%	30%	39%	17%	54 %	41 %	41 %	37 %	33 %	20 %	
AL 220009	4			TF930038	104	96	98	116	104	106	96	84	98	96	84	97	112	114	89	112	102	92	103	
FB				AL 150001	86%	83%	82 %	82%	82%	0.64	1.3	0.21	7.4	3.6	-16	-1.1	-1.4	11.3	-0.6	8.9	1.0	-0.8	0.0	
AL 5 ITOHANA T9 (AI)										87 %	83 %	83%	82%	83%	82%	83%	82%	85 %	83 %	83 %	83 %	83 %	82 %	
MAR 220006				MAR 170003	86	103	106	93	98	85	103	105	106	102	107	101	96	91	90	101	106	91	104	
PEN					30%	23%	21 %	20%	18%	2.67	4.1	-0.57	11.8	8.1	16	-3.2	1.2	1.5	-0.5	1.6	1.7	-1.0	0.2	
MERWE BEN										31 %	23 %	27%	21%	22%	20%	23%	12%	34 %	29 %	29 %	28 %	26 %	20 %	
AL 230022	2			148BE	111	85	87	121	110	135	85	116	87	82	79	114	107	110	129	77	104	108	95	
FB				FB37502	84%	84%	83 %	83%	84%	-2.16	-3.0	-0.97	2.1	-6.4	-24	-10.7	-0.8	9.6	4.5	-15.4	1.4	0.7	-1.2	
AL 5 V22										84 %	84 %	83%	83%	84%	83%	84%	83%	84 %	84 %	84 %	84 %	84 %	83 %	
AW 230048	5			AW 200037	116	105	79	113	102	112	105	120	79	100	87	94	109	123	95	80	107	101	123	
PBD				AW 190094	39%	28%	27 %	26%	28%	0.05	5.1	-1.12	-2.5	6.6	-12	0.4	-0.9	15.2	0.2	-13.6	1.9	0.0	3.2	
ABSOLUTE GENETIC AW230048										40 %	28 %	35%	27%	31%	26%	35%	20%	44 %	37 %	37 %	35 %	34 %	27 %	
AW 230303	2			AW 190027	123	78	74	133	108	126	78	108	74	74	67	105	111	120	93	83	84	128	141	
FB				AW 190058	41%	34%	32 %	28%	31%	-1.26	-5.8	-0.69	-5.2	-11.7	-40	-5.6	-1.4	13.6	-0.1	-11.2	-1.7	2.6	6.1	
ABSOLUTE GENETIC AW230303										42 %	34 %	39%	32%	35%	28%	40%	22%	48 %	42 %	42 %	40 %	39 %	31 %	
AW 240019	2			AW 200010	125	98	75	117	104	121	98	120	75	95	83	104	106	125	118	86	101	138	120	
FB				AW 190036	33%	26%	26 %	25%	24%	-0.82	2.3	-1.14	-4.7	3.0	-18	-5.2	-0.5	15.9	3.1	-9.0	1.0	3.5	2.7	
ABSOLUTE GENETIC AW240019										34 %	26 %	31%	26%	28%	25%	29%	18%	41 %	41 %	41 %	36 %	29 %	23 %	
AW 240022	2			AW 200010	125	95	78	117	99	119	95	114	78	92	83	100	100	131	119	95	96	145	120	
FB				AW 210004	29%	24%	23 %	22%	22%	-0.58	0.8	-0.92	-3.1	0.9	-18	-2.7	0.6	18.3	3.2	-3.0	0.1	4.2	2.7	
ABSOLUTE GENETIC AW240022										29 %	24 %	27%	23%	25%	22%	29%	14%	38 %	37 %	37 %	32 %	24 %	18 %	
AW 250006	3			AW 200035	117	98	76	114	102	112	98	104	76	93	86	97	106	120	97	94	96	116	119	
PBD				CLW 200008	42%	31%	29 %	26%	24%	0.06	2.1	-0.53	-3.8	1.7	-13	-1.0	-0.8	13.7	0.5	-3.6	0.1	1.5	2.6	
ABSOLUTE GENETIC AW250006										43 %	31 %	36%	29%	28%	26%	32%	17%	41 %	32 %	32 %	29 %	26 %	19 %	
AW 250008	4			AW 200035	123	88	75	121	103	118	88	100	75	83	79	95	110	117	96	78	84	108	129	
FB				AW 190022	36%	30%	28 %	26%	24%	-0.51	-1.8	-0.40	-4.6	-5.5	-24	0.0	-1.3	12.6	0.3	-14.7	-1.7	0.7	4.1	
ABSOLUTE GENETIC AW250008										37 %	30 %	34%	28%	30%	26%	32%	17%	44 %	36 %	35 %	33 %	33 %	27 %	
AW 250010	5			AW 200035	124	99	73	115	104	117	99	112	73	94	85	98	109	124	95	90	93	135	138	
PBD				AW 210014	34%	26%	25 %	24%	24%	-0.43	2.5	-0.82	-5.4	2.0	-15	-1.7	-1.2	15.4	0.1	-6.4	-0.3	3.2	5.6	
ABSOLUTE GENETIC AW250010										35 %	26 %	32%	25%	28%	24%	32%	17%	42 %	31 %	32 %	30 %	28 %	21 %	

WAGYU Bulls

Inbreeding >6% is high				<75		75 - 125		>125		Breeding values with an accuracy < 5% are not printed												
Bull				Selection Value					Calf weight		Mother		Growth		Fertility			Carcass				
ID	%Inbreeding	Parentage		Calving Ease Value	Calf Growth Value	Milk Value	Maintenance Value	Fertility Value	Birth Weight	Wean Weight	Birth Mat.	Milk (Wn. Mat.)	Postwean Weight	Mature Weight	Heifer Fertility	Cow Fertility	Longevity	IMF	Carcass Weight	EMA	Rib Fat	Marbling Fineness
		Genomic	Sire ID																			
JAPANESE BLACK																						
MAR 250621	27	MAR 190005		124	80	74	117	104	120	80	121	74	75	83	96	110	126	80	87	86	85	126
PEN		PK 140012		-0.72	-5.0	-1.16	-5.3	-10.8	-18	-0.7	-1.3	16.5	-1.8	-8.6	-1.4	-1.5	3.7	-1.8	-8.6	-1.4	-1.5	3.7
MERWE MAR 250621				46%	33%	33%	30%	26%	48%	33%	40%	33%	32%	30%	34%	19%	48%	39%	39%	38%	34%	27%

WAGYU Cows

Inbreeding >6% is high				<75	75 - 125	>125	Breeding values with an accuracy < 5% are not printed															
Cow				Selection Values					Kalf gewig		Moeder		Groei		Vrugbaarheid			Karkas				
ID	%Inbreeding	Parentage		Calving Ease Value	Calf Growth Value	Milk Value	Maintenance Value	Fertility Value	Birth Weight	Wean Weight	Birth Mat.	Milk (Wn.Mat.)	Postwean Weight	Mature Weight	Heifer Fertility	Cow Fertility	Longevity	IMF	Carcass Weight	EMA	Rib Fat	Marbling Fineness
Name		Genomic DNA	Sire ID																			
JAPANESE BLACK																						
MAR 180022 ✓ KI 140006				108	90	106	101	96	104	90	114	106	95	99	104	92	81	83	85	94	78	108
F1				39 %	28 %	26 %	20 %	22 %	0.83	-1.2	-0.89	11.8	3.0	5	-5.2	2.0	-2.9	-1.3	-9.5	-0.1	-2.2	0.7
MERWE MAR18B22									41 %	28 %	30 %	26 %	28 %	20%	29%	15%	41 %	32 %	32 %	31 %	27 %	21 %
MAR 180027 ✓ KI 140006				115	87	105	101	96	114	87	129	105	92	99	104	92	81	83	85	94	78	108
F1				46 %	28 %	26 %	20 %	22 %	-0.13	-2.4	-1.48	11.2	1.0	5	-5.2	2.0	-2.7	-1.3	-9.5	-0.1	-2.2	0.7
MERWE MAR18B27									47 %	28 %	40 %	26 %	28 %	20%	29%	15%	45 %	32 %	32 %	31 %	27 %	21 %
MAR 190011 ✓ KI 140006				110	77	96	112	102	137	77	111	96	85	88	104	101	88	91	79	98	75	105
F1				57 %	28 %	26 %	20 %	22 %	-2.35	-6.5	-0.79	6.8	-4.4	-11	-5.3	0.3	-0.1	-0.4	-14.2	0.5	-2.5	0.3
MAR11									63 %	28 %	34 %	26 %	28 %	20%	29%	15%	45 %	32 %	32 %	31 %	27 %	21 %
MERWE MAR19B11																						
MAR 190027 28 ✓ KI 140006				102	74	89	115	102	138	74	133	89	79	85	109	97	84	83	72	95	64	111
F2				57 %	32 %	29 %	22 %	24 %	-2.45	-7.4	-1.62	2.9	-8.2	-15	-8.3	1.0	-1.7	-1.4	-19.3	0.0	-3.5	1.2
MAR 180027									62 %	32 %	36 %	29 %	32 %	22%	32%	17%	46 %	36 %	35 %	35 %	30 %	24 %
MERWE MAR19B27																						
MAR 190032 ✓ KI 140006				123	84	97	112	102	118	84	98	97	91	88	104	101	88	91	79	98	75	105
F1				57 %	28 %	26 %	20 %	22 %	-0.56	-3.5	-0.33	7.0	0.1	-11	-5.3	0.3	-0.1	-0.4	-14.2	0.5	-2.5	0.3
MAR32									63 %	28 %	34 %	26 %	28 %	20%	29%	15%	45 %	32 %	32 %	31 %	27 %	21 %
MERWE MAR19D32																						
MAR 210008 MAR 170002				96	100	107	95	95	93	100	106	107	101	105	100	93	89	87	84	85	105	123
F1				26 %	23 %	19 %	14 %	17 %	1.90	3.1	-0.59	12.2	7.1	13	-2.9	1.8	0.3	-0.9	-10.2	-1.6	0.4	3.1
MERWE MAR210008									27 %	23 %	24 %	19 %	22 %	14%	22%	12%	34 %	30 %	30 %	28 %	26 %	20 %
MAR 210027 KI 140006				108	90	106	101	96	104	90	114	106	95	99	104	92	81	83	85	94	78	108
PEN				39 %	28 %	26 %	20 %	22 %	0.83	-1.2	-0.89	11.8	3.0	5	-5.2	2.0	-2.9	-1.3	-9.5	-0.1	-2.2	0.7
MERWE MAR210027									41 %	28 %	30 %	26 %	28 %	20%	29%	15%	41 %	32 %	32 %	31 %	27 %	21 %
MAR 210161 ✓ MAR 170002				96	100	107	95	95	93	100	106	107	101	105	100	93	116	87	84	85	105	123
F1				26 %	23 %	19 %	14 %	17 %	1.90	3.1	-0.59	12.2	7.1	13	-2.9	1.8	12.0	-0.9	-10.2	-1.6	0.4	3.1
MERWE MAR210161									27 %	23 %	24 %	19 %	22 %	14%	22%	12%	41 %	30 %	30 %	28 %	26 %	20 %
AW 220015 4 ✓ AW 190100				108	112	85	104	120	103	112	108	85	106	96	115	123	129	102	74	101	73	99
PBD				40 %	30 %	28 %	19 %	28 %	0.97	7.6	-0.70	0.9	10.6	0	-11.9	-3.6	17.8	1.0	-17.6	1.0	-2.6	-0.6
ABSOLUTE GENETIC AW220015									41 %	30 %	35 %	28 %	37 %	19%	37%	19%	47 %	39 %	39 %	37 %	37 %	28 %
CLW 220027 17 ✓ CLW 190013				115	61	77	138	97	130	61	95	77	62	62	84	107	115	105	109	104	114	106
FB				61 %	33 %	32 %	26 %	26 %	-1.63	-12.7	-0.19	-3.6	-20.1	-47	6.2	-0.8	11.7	1.4	7.1	1.4	1.2	0.5
CROWN LAKE CLW220027									66 %	33 %	41 %	32 %	34 %	26%	36%	17%	44 %	41 %	41 %	38 %	36 %	27 %
CLW 220033 3 ✓ CLW 190014				121	83	75	130	107	118	83	96	75	79	70	102	112	112	111	103	103	116	104
FB				63 %	29 %	27 %	23 %	25 %	-0.47	-4.1	-0.24	-4.5	-8.3	-36	-4.0	-1.6	10.4	2.2	2.9	1.3	1.5	0.2
CROWN LAKE CLW220033									69 %	29 %	40 %	27 %	28 %	23%	35%	15%	43 %	38 %	38 %	36 %	34 %	27 %
MAR 220127 KI 140006				108	90	106	101	96	104	90	114	106	95	99	104	92	81	83	85	94	78	108
PEN				39 %	28 %	26 %	20 %	22 %	0.83	-1.2	-0.89	11.8	3.0	5	-5.2	2.0	-2.9	-1.3	-9.5	-0.1	-2.2	0.7
MERWE MAR22B27									41 %	28 %	30 %	26 %	28 %	20%	29%	15%	41 %	32 %	32 %	31 %	27 %	21 %

WAGYU Cows

Inbreeding >6% is high				<75	75 - 125	>125	Breeding values with an accuracy < 5% are not printed															
Cow				Selection Values					Kalf gewig		Moeder		Groeï		Vrugbaarheid			Karkas				
ID	%Inbreeding	Parentage		Calving Ease Value	Calf Growth Value	Milk Value	Maintenance Value	Fertility Value	Birth Weight	Wean Weight	Birth Mat.	Milk (Wn.Mat.)	Postwean Weight	Mature Weight	Heifer Fertility	Cow Fertility	Longevity	IMF	Carcass Weight	EMA	Rib Fat	Marbling Fineness
Name		Genomic DNA	Sire ID																			
JAPANESE BLACK																						
AW 230029 28 ☒ AW 190051 ☒ AW 190049				86	117	83	94	104	88	117	92	83	108	106	105	104	130	95	132	99	85	82
FB ABSOLUTE GENETIC AW230029				33 %	30 %	21 %	16 %	24 %	2.42	9.9	-0.09	-0.6	12.1	14	-5.8	-0.2	18.2	0.1	23.6	0.6	-1.5	-3.3
				34 %	30 %				34 %	30 %	29 %	21 %	24 %	16 %	32 %	16 %	44 %	41 %	41 %	37 %	37 %	32 %
AW 230301 15 ☒ AW 190027 ☒ AW 190034				125	95	74	123	102	119	95	117	74	87	77	96	108	127	85	88	78	142	152
FB ABSOLUTE GENETIC AW230301				42 %	32 %	30 %	28 %	30 %	-0.64	1.0	-1.03	-4.9	-2.4	-27	-0.5	-1.0	16.8	-1.1	-7.7	-2.6	4.0	7.7
				42 %	32 %				42 %	32 %	40 %	30 %	33 %	28 %	39 %	22 %	48 %	40 %	40 %	37 %	38 %	30 %
MAR 230024 ☒ MAR 170002				96	100	107	95	95	93	100	106	107	101	105	100	93	89	87	84	85	105	123
F1 MERWE MAR230024				26 %	23 %	19 %	14 %	17 %	1.90	3.1	-0.59	12.2	7.1	13	-2.9	1.8	0.3	-0.9	-10.2	-1.6	0.4	3.1
				26 %	23 %	19 %	14 %	17 %	27 %	23 %	24 %	19 %	22 %	14 %	22 %	12 %	34 %	30 %	30 %	28 %	26 %	20 %
MAR 230061 ☒ MAR 170003				86	103	106	93	98	85	103	105	106	102	107	101	96	91	90	101	106	91	104
F1 MERWE MAR230061				30 %	23 %	21 %	20 %	18 %	2.67	4.1	-0.57	11.8	8.1	16	-3.2	1.2	1.5	-0.5	1.6	1.7	-1.0	0.2
				30 %	23 %	21 %	20 %	18 %	31 %	23 %	27 %	21 %	22 %	20 %	23 %	12 %	34 %	29 %	29 %	28 %	26 %	20 %
MAR 230064 ☒ MAR 170003				86	103	106	93	98	85	103	105	106	102	107	101	96	91	90	101	106	91	104
F1 MERWE MAR230064				30 %	23 %	21 %	20 %	18 %	2.67	4.1	-0.57	11.8	8.1	16	-3.2	1.2	1.5	-0.5	1.6	1.7	-1.0	0.2
				30 %	23 %	21 %	20 %	18 %	31 %	23 %	27 %	21 %	22 %	20 %	23 %	12 %	34 %	29 %	29 %	28 %	26 %	20 %
MAR 230902 5 ☒ MAR 180004 ☒ MAR 190006				98	102	77	111	118	96	102	103	77	95	89	114	120	151	107	96	102	90	100
PBD MERWE KLEIN BEAUTY				54 %	29 %	26 %	21 %	22 %	1.65	3.6	-0.50	-3.6	2.7	-9	-10.7	-3.1	27.2	1.7	-2.1	1.1	-1.0	-0.5
				54 %	29 %	26 %	21 %	22 %	59 %	29 %	36 %	26 %	25 %	21 %	30 %	14 %	46 %	34 %	33 %	32 %	29 %	21 %
AW 240001 1 ☒ SWK 210153 ☒ AW 210021				118	99	87	101	121	114	99	100	87	98	99	127	116	123	120	104	103	111	90
PBD ABSOLUTE GENETIC AW240001				50 %	48 %	33 %	23 %	24 %	-0.11	2.4	-0.39	2.1	5.0	4	-18.5	-2.4	14.9	3.4	3.5	1.3	0.9	-2.0
				50 %	48 %	33 %	23 %	24 %	53 %	48 %	36 %	33 %	40 %	23 %	34 %	15 %	44 %	34 %	34 %	32 %	30 %	24 %
AW 240005 4 ☒ AW 200003 ☒ CLW 210005				117	114	83	99	142	111	114	112	83	107	101	137	142	122	95	97	96	76	89
F1 ABSOLUTE GENETIC AW240005				43 %	27 %	25 %	23 %	22 %	0.13	8.6	-0.83	-0.2	11.1	8	-24.4	-7.2	14.6	0.2	-1.1	0.1	-2.4	-2.3
				43 %	27 %	25 %	23 %	22 %	45 %	27 %	35 %	25 %	31 %	23 %	30 %	13 %	46 %	42 %	42 %	39 %	36 %	28 %
AW 240010 6 ☒ AW 200035 ☒ CLW 200001				125	76	73	130	90	119	76	102	73	75	70	82	98	119	108	96	102	120	115
F1 ABSOLUTE GENETIC AW240010				38 %	29 %	28 %	24 %	24 %	-0.61	-6.7	-0.47	-5.6	-11.5	-37	7.5	0.9	13.2	1.8	-1.8	1.0	1.9	1.8
				38 %	29 %	28 %	24 %	24 %	39 %	29 %	36 %	28 %	30 %	24 %	32 %	16 %	42 %	35 %	34 %	33 %	31 %	23 %
AW 240013 3 ☒ AW 200035 ☒ WAP 150001				122	75	74	130	95	118	75	97	74	74	70	91	100	111	100	82	95	129	130
F1 ABSOLUTE GENETIC AW240013				39 %	27 %	27 %	18 %	24 %	-0.52	-7.1	-0.27	-5.2	-11.8	-36	2.6	0.4	10.0	0.7	-11.7	0.0	2.7	4.3
				39 %	27 %	27 %	18 %	24 %	40 %	27 %	37 %	27 %	28 %	18 %	32 %	15 %	44 %	36 %	36 %	33 %	31 %	21 %
AW 240015 3 ☒ AW 200035 ☒ CLW 210003				117	93	71	117	105	112	93	105	71	86	83	95	113	122	100	96	95	125	126
F1 ABSOLUTE GENETIC AW240015				38 %	23 %	23 %	20 %	19 %	0.11	0.0	-0.58	-6.8	-3.3	-19	-0.1	-1.8	14.5	0.8	-2.4	0.0	2.3	3.6
				38 %	23 %	23 %	20 %	19 %	40 %	23 %	28 %	23 %	23 %	20 %	25 %	13 %	39 %	29 %	29 %	27 %	26 %	19 %
AW 240017 3 ☒ AW 200035 ☒ CLW 200008				117	98	76	114	102	112	98	104	76	93	86	97	107	120	97	94	96	116	119
F1 ABSOLUTE GENETIC AW240017				42 %	31 %	29 %	26 %	24 %	0.06	2.1	-0.53	-3.8	1.7	-13	-1.0	-0.8	13.7	0.5	-3.6	0.1	1.5	2.6
				42 %	31 %	29 %	26 %	24 %	43 %	31 %	36 %	29 %	28 %	26 %	32 %	17 %	41 %	32 %	32 %	29 %	26 %	19 %

WAGYU Cows

Inbreeding >6% is high				<75	75 - 125	>125	Breeding values with an accuracy < 5% are not printed															
Cow				Selection Values					Kalf gewig		Moeder		Groei		Vrugbaarheid			Karkas				
ID	%Inbreeding	Parentage		Calving Ease Value	Calf Growth Value	Milk Value	Maintenance Value	Fertility Value	Birth Weight	Wean Weight	Birth Mat.	Milk (Wn.Mat.)	Postwean Weight	Mature Weight	Heifer Fertility	Cow Fertility	Longevity	IMF	Carcass Weight	EMA	Rib Fat	Marbling Fineness
Name		Genomic DNA	Sire ID																			
JAPANESE BLACK																						
AW 240018	3		AW 200035	126	76	72	132	99	122	76	114	72	74	68	95	103	117	99	95	94	122	121
F1		✓	JR 150008	-0.91	-6.6	-0.89	-6.0	-11.6	-39	-0.1	0.0	12.3	0.7	-2.9	-0.2	2.0	2.9					
ABSOLUTE GENETIC AW240018				43 %	30 %	30 %	18 %	24 %	43 %	30 %	41 %	30 %	28 %	18 %	34 %	15 %	46 %	36 %	36 %	34 %	30 %	22 %
AW 240023	4		AW 200010	125	77	76	127	101	120	77	102	76	77	73	98	104	125	114	102	98	136	115
F1		✓	CLW 200025	-0.68	-6.2	-0.47	-3.8	-9.7	-33	-1.4	-0.2	16.1	2.5	1.9	0.5	3.4	2.0					
ABSOLUTE GENETIC AW240023				32 %	27 %	26 %	22 %	20 %	33 %	27 %	30 %	26 %	28 %	22 %	27 %	13 %	39 %	41 %	40 %	36 %	27 %	20 %
AW 240034		✓	BA 150369	106	105	76	109	128	102	105	113	76	100	91	126	128	114	119	77	111	83	89
PBD		✓	PAL 190011	1.02	5.0	-0.88	-4.1	6.5	-7	-17.8	-4.6	11.1	3.2	-15.7	2.6	-1.7	-2.2					
ABSOLUTE GENETIC AW240034				54 %	44 %	38 %	20 %	31 %	56 %	44 %	45 %	38 %	36 %	20 %	44 %	18 %	55 %	52 %	51 %	49 %	44 %	32 %
MAR 240031		✓	MAR 170002	96	100	107	95	95	93	100	106	107	101	105	100	93	89	87	84	85	105	123
F1				1.90	3.1	-0.59	12.2	7.1	13	-2.9	1.8	0.3	-0.9	-10.2	-1.6	0.4	3.1					
MERWE MAR240031				26 %	23 %	19 %	14 %	17 %	27 %	23 %	24 %	19 %	22 %	14 %	22 %	12 %	34 %	30 %	30 %	28 %	26 %	20 %
MAR 240107		✓	MAR 170003	86	103	106	93	98	85	103	105	106	102	107	101	96	91	90	101	106	91	104
F1				2.67	4.1	-0.57	11.8	8.1	16	-3.2	1.2	1.5	-0.5	1.6	1.7	-1.0	0.2					
MERWE MAR240107				30 %	23 %	21 %	20 %	18 %	31 %	23 %	27 %	21 %	22 %	20 %	23 %	12 %	34 %	29 %	29 %	28 %	26 %	20 %
MAR 240108		✓	MAR 170003	86	103	106	93	98	85	103	105	106	102	107	101	96	91	90	101	106	91	104
F1				2.67	4.1	-0.57	11.8	8.1	16	-3.2	1.2	1.5	-0.5	1.6	1.7	-1.0	0.2					
MERWE MAR240108				30 %	23 %	21 %	20 %	18 %	31 %	23 %	27 %	21 %	22 %	20 %	23 %	12 %	34 %	29 %	29 %	28 %	26 %	20 %
MAR 240711		✓	MAR 170003	86	103	106	93	98	85	103	105	106	102	107	101	96	91	90	101	106	91	104
F1				2.67	4.1	-0.57	11.8	8.1	16	-3.2	1.2	1.5	-0.5	1.6	1.7	-1.0	0.2					
MERWE MAR240711				30 %	23 %	21 %	20 %	18 %	31 %	23 %	27 %	21 %	22 %	20 %	23 %	12 %	34 %	29 %	29 %	28 %	26 %	20 %
MAR 240712		✓	MAR 170002	96	100	107	95	95	93	100	106	107	101	105	100	93	89	87	84	85	105	123
F1				1.90	3.1	-0.59	12.2	7.1	13	-2.9	1.8	0.3	-0.9	-10.2	-1.6	0.4	3.1					
MERWE MAR240712				26 %	23 %	19 %	14 %	17 %	27 %	23 %	24 %	19 %	22 %	14 %	22 %	12 %	34 %	30 %	30 %	28 %	26 %	20 %
MAR 240806		✓	MAR 190005	106	91	106	97	95	101	91	109	106	94	103	98	94	100	83	95	91	90	112
F1				1.11	-0.8	-0.74	12.0	2.4	10	-1.6	1.6	5.2	-1.4	-2.7	-0.6	-1.1	1.4					
MERWE MEYMEY				32 %	20 %	19 %	16 %	16 %	35 %	20 %	22 %	19 %	20 %	16 %	20 %	11 %	30 %	23 %	22 %	22 %	19 %	15 %
MAR 240820		✓	MAR 190005	106	91	106	97	95	101	91	109	106	94	103	98	94	100	83	95	91	90	112
F1				1.11	-0.8	-0.74	12.0	2.4	10	-1.6	1.6	5.2	-1.4	-2.7	-0.6	-1.1	1.4					
MERWE MINA				32 %	20 %	19 %	16 %	16 %	35 %	20 %	22 %	19 %	20 %	16 %	20 %	11 %	30 %	23 %	22 %	22 %	19 %	15 %
MAR 243007		✓	MAR 190005	106	91	106	97	95	101	91	109	106	94	103	98	94	100	83	95	91	90	112
F1				1.11	-0.8	-0.74	12.0	2.4	10	-1.6	1.6	5.2	-1.4	-2.7	-0.6	-1.1	1.4					
MERWE MOOMEY				32 %	20 %	19 %	16 %	16 %	35 %	20 %	22 %	19 %	20 %	16 %	20 %	11 %	30 %	23 %	22 %	22 %	19 %	15 %
AW 250002		✓	AW 200035	109	112	87	97	100	106	112	99	87	111	103	97	103	121	84	105	83	122	125
PBD		✓	CLW 180019	0.61	7.8	-0.33	1.7	13.9	11	-0.9	0.0	14.0	-1.2	4.5	-1.9	2.0	3.6					
ABSOLUTE GENETIC AW250002				33 %	24 %	21 %	20 %	21 %	34 %	24 %	31 %	21 %	23 %	20 %	29 %	13 %	40 %	29 %	29 %	26 %	25 %	18 %

WAGYU Cows

Inbreeding >6% is high				<75	75 - 125	>125	Breeding values with an accuracy < 5% are not printed															
Cow				Selection Values					Kalf gewig		Moeder		Groei		Vrugbaarheid			Karkas				
ID	%Inbreeding	Parentage		Calving Ease Value	Calf Growth Value	Milk Value	Maintenance Value	Fertility Value	Birth Weight	Wean Weight	Birth Mat.	Milk (Wn.Mat.)	Postwean Weight	Mature Weight	Heifer Fertility	Cow Fertility	Longevity	IMF	Carcass Weight	EMA	Rib Fat	Marbling Fineness
		Genomic DNA	Sire ID																			
JAPANESE BLACK																						
AW 250019	4		AW 220004	118	101	76	111	105	113	101	114	76	95	89	102	108	133	107	94	114	100	103
PBD			AW 210001	-0.01	3.2	-0.89	-4.1	3.1	-10	-4.0	-1.0	19.5	24 %	24 %	29 %	15 %	37 %	1.7	-3.3	2.9	-0.1	0.0
ABSOLUTE GENETIC AW250019				29 %	22 %	19 %	18 %	22 %	31 %	22 %	23 %	19 %	21 %	18 %	29 %	15 %	37 %	24 %	24 %	23 %	23 %	19 %
AW 250023	4		AW 200035	118	94	70	115	94	113	94	106	70	86	85	90	99	129	114	99	99	111	104
FB			AW 210031	0.01	0.4	-0.61	-7.2	0.01	-3.2	-15	-3.1	0.6	-3.2	-15	3.1	0.6	17.8	2.5	-0.2	0.7	1.0	0.2
ABSOLUTE GENETIC AW250023				34 %	27 %	23 %	21 %	24 %	35 %	27 %	28 %	23 %	24 %	21 %	31 %	16 %	40 %	29 %	29 %	27 %	27 %	21 %
AW 250033	10		AW 200035	117	96	69	117	89	111	96	112	69	88	83	87	93	123	101	92	79	145	137
FB			AW 210034	0.14	1.5	-0.82	-7.5	0.14	-1.7	-18	-4.8	1.7	-1.7	-18	4.8	1.7	15.1	0.9	-4.5	-2.4	4.2	5.4
ABSOLUTE GENETIC AW250033				35 %	29 %	23 %	20 %	22 %	36 %	29 %	29 %	23 %	24 %	20 %	30 %	15 %	41 %	30 %	30 %	28 %	28 %	21 %
MAR 250620	10		MAR 190005	110	94	74	116	105	105	94	111	74	88	84	102	108	127	92	86	96	77	112
PEN			MAR 190006	0.76	0.5	-0.81	-4.9	0.76	-2.0	-17	-4.1	-1.0	-2.0	-17	-4.1	-1.0	16.7	-0.2	-9.4	0.1	-2.3	1.4
MERWE MAR 250620				45 %	25 %	24 %	21 %	21 %	48 %	25 %	34 %	24 %	25 %	21 %	28 %	14 %	40 %	30 %	30 %	29 %	26 %	20 %



CWB

BREEDING VALUE REPORT

September 2026



MARMER WAGYU (PTY) LTD

Herd Number: 8424176

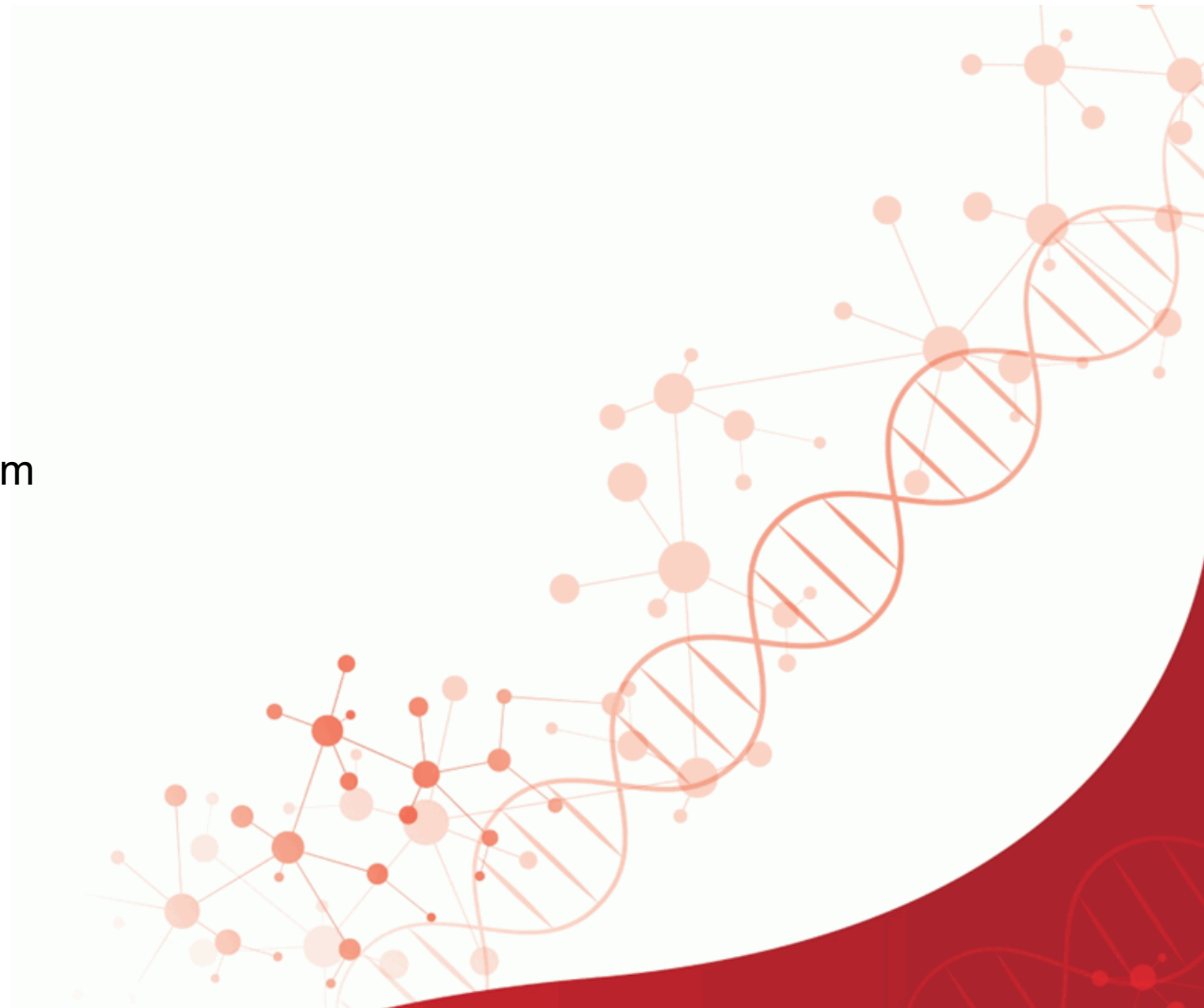
E-mail: verlies.boerdery22@gmail.com



**WAGYU
SOCIETY**
OF SOUTH AFRICA



CERTIFICATE
OF QUALITY
Valid up to
October 2029



CWB Dams

Dam			Growth					Carcass					Stats				
ID	Parentage	Sire ID	Birth weight	Wean weight	12 mnth weight	18 mnth weight	Mature weight	Milk	IMF	Carcass weight	EMA	Rib Fat	Marble Fineness	Herds	Progeny	Active 2yrs & older	Carcasses
Name	Gen. DNA	Dam ID															
JAPANESE BLACK																	
AL 150001		D0550	116	86	82	84	72	87	104	113	121	85	87	1	7	6	1
FB		KSOFH0044	-0.31	-2.9	-5.4	-5.1	-33	1.9	1.3	10.1	4.0	-1.6	-2.6				
HIKOHIME F001(ET)(AUS)			72%	38%	36%	34%	18%	34%	56%	57%	53%	48%	37%				
AW 170105		 BA 150369	92	128	122	124	110	96	117	96	124	87	78	1	4	3	
PBD		 BA 120775	1.98	14.0	20.0	26.2	20	6.5	3.0	-2.3	4.5	-1.4	-4.0				
AW170105			85%	83%	85%	84%	81%	82%	83%	83%	83%	82%	81%				
AW 190022		 SMOFF0154	116	91	85	84	81	81	87	70	80	82	127	1	4		
FB		 BA 130993	-0.35	-0.5	-3.0	-5.2	-22	-1.6	-0.9	-20.3	-2.4	-1.8	3.8				
AW190022			86%	85%	85%	85%	84%	85%	86%	86%	86%	85%	85%				
AW 190034		 SMOFF0126	115	102	94	96	82	77	87	97	88	116	129	1	3	1	
FB		 BA 120645	-0.25	3.6	2.4	4.5	-19	-3.5	-0.9	-1.6	-1.0	1.4	4.1				
AW190034			86%	85%	85%	85%	85%	85%	85%	86%	85%	85%	84%				
AW 190036		 SMOFF0126	123	107	101	101	84	72	113	81	108	124	119	1	3	2	
FB		 BA 130879	-1.00	5.8	6.8	8.0	-16	-5.9	2.5	-12.8	2.0	2.2	2.6				
AW190036			89%	87%	87%	87%	87%	87%	88%	88%	88%	88%	87%				
AW 190049		 AACFF0758	88	116	108	106	105	80	93	125	96	94	92	2	2	2	
FB		 AACFK1310	2.38	9.4	10.8	12.1	14	-2.0	-0.1	18.4	0.1	-0.7	-1.7				
ABSOLUTE GENETIC AW190049			84%	83%	83%	83%	82%	82%	84%	84%	84%	83%	83%				
AW 190058		BDWFM0495	128	68	65	72	64	76	102	87	99	88	108	1	4	1	
FB		AW 160006	-1.49	-10.0	-15.8	-14.5	-45	-4.1	1.1	-8.7	0.7	-1.3	0.8				
AW190058			57%	49%	53%	50%	41%	47%	55%	55%	53%	48%	37%				
AW 190094		 PWYPM0775	118	100	93	94	86	76	96	56	102	71	116	1	3	1	
PBD		 BA 130879	-0.52	2.8	1.7	3.0	-14	-4.2	0.3	-30.5	1.1	-2.9	2.1				
AW190094			87%	85%	86%	86%	85%	85%	87%	87%	87%	87%	86%				
AW 200002		 BDWFM0477	113	102	102	105	94	88	104	93	97	120	113	1	4		
FB		 BA 130880	-0.04	3.7	7.0	11.7	-3	2.6	1.4	-3.9	0.4	1.8	1.6				
AW200002			86%	85%	85%	85%	85%	85%	85%	85%	85%	85%	84%				
AW 200005		 AACFF0758	92	141	128	125	124	80	90	115	90	148	132	1	2	1	
FB			2.02	19.6	23.8	26.7	40	-1.9	-0.5	11.3	-0.8	4.5	4.6				
AW200005			85%	84%	83%	84%	83%	83%	85%	85%	84%	84%	84%				
AW 200032		SWK 180004	132	77	72	75	76	72	89	81	100	101	123	1	2		
FB		AW 160010	-1.87	-6.5	-11.4	-12.1	-29	-6.0	-0.6	-12.3	0.9	0.0	3.2				
AW200032			46%	42%	39%	40%	33%	38%	47%	48%	45%	42%	32%				
AW 210001		AW 190038	110	101	96	96	93	79	108	94	114	81	89	1	2		
PBD		AW 190006	0.24	3.4	3.7	4.3	-4	-2.3	1.8	-3.1	2.9	-2.0	-2.2				
AW210001			47%	33%	31%	27%	23%	25%	34%	34%	32%	33%	27%				

CWB Dams

Dam			Growth					Carcass					Stats				
ID	Parentage	Sire ID	Birth weight	Wean weight	12 mnth weight	18 mnth weight	Mature weight	Milk	IMF	Carcass weight	EMA	Rib Fat	Marble Fineness	Herds	Progeny	Active 2yrs & older	Carcasses
Name	Gen. DNA	Dam ID															
JAPANESE BLACK																	
AW 210004		SMOFF0126	118	100	95	95	84	78	115	98	97	139	120	1	1	1	
FB		SMOFD0133	-0.53	2.8	2.7	3.4	-17	-2.8	2.7	-0.7	0.3	3.7	2.7				
AW210004			87%	86%	86%	86%	85%	86%	86%	86%	86%	86%	85%				
AW 210006		SMOFF0154	111	89	82	80	86	75	112	88	83	110	114	1	2		
PBD		AW 160011	0.19	-1.6	-5.1	-8.4	-14	-4.8	2.4	-7.7	-1.8	0.8	1.7				
AW210006			55%	44%	46%	44%	40%	43%	51%	51%	49%	48%	43%				
AW 210014		SMOFF0126	115	113	106	106	92	78	84	94	98	134	146	1	2		
PBD		BB 150134	-0.18	8.0	9.7	12.3	-5	-3.1	-1.3	-3.7	0.5	3.2	6.8				
AW210014			53%	38%	48%	42%	36%	37%	48%	48%	45%	43%	32%				
AW 210021		BA 150369	110	101	99	103	98	90	111	108	100	108	90	1	3	2	
PBD		BA 150497	0.26	3.4	5.2	9.9	3	3.7	2.1	6.5	0.7	0.7	-2.1				
AW210021			55%	45%	39%	31%	24%	39%	49%	49%	47%	41%	29%				
AW 210031		AW 190038	106	103	93	90	93	71	121	111	110	88	77	1	1		
FB		AW 180081	0.69	4.0	1.8	-0.6	-4	-6.7	3.5	8.7	2.3	-1.3	-4.2				
AW210031			53%	41%	34%	35%	29%	32%	40%	41%	39%	38%	33%				
AW 210034		AW 180077	103	108	96	95	89	70	96	99	70	155	143	1	1		
FB		AW 190032	0.96	6.0	3.5	3.6	-9	-7.3	0.3	0.1	-3.9	5.2	6.3				
AW210034			56%	44%	37%	33%	24%	30%	44%	44%	41%	41%	32%				
CLW 180019		AF320	93	139	139	140	129	104	63	125	77	109	120	2	3		
PBD		BB 150141	1.89	18.7	30.2	39.1	48	11.0	-3.9	18.2	-2.8	0.8	2.7				
CLW180019			50%	32%	34%	28%	24%	25%	42%	42%	36%	34%	25%				
CLW 200001		BDWFM0495	118	67	64	70	62	77	110	107	115	106	98	2	2	2	
FB		JR 150005	-0.55	-10.2	-16.3	-15.7	-48	-3.6	2.1	5.5	3.1	0.5	-0.8				
CLW200001			63%	46%	51%	47%	37%	44%	56%	56%	53%	49%	36%				
CLW 200007		BDWFM0495	94	83	86	89	92	108	102	107	95	110	103	2	4	1	
FB		CWBFCLW 170003	1.79	-3.9	-2.6	-0.9	-5	12.7	1.1	5.8	0.0	0.9	-0.1				
CLW200007			52%	40%	44%	42%	36%	39%	46%	46%	44%	40%	30%				
CLW 200008		FGW 120001	105	111	104	106	96	84	89	102	103	98	108	2	3	1	
PBD		WAP 180006	0.78	7.3	8.8	11.8	0	0.0	-0.6	2.0	1.2	-0.3	0.7				
CLW200008			72%	50%	45%	41%	41%	47%	49%	49%	45%	36%	27%				
CLW 200021		DJV 140002	126	94	86	89	79	73	112	99	92	127	111	1	1	1	
FB		BA 160664	-1.24	0.7	-2.5	-1.3	-24	-5.5	2.4	0.3	-0.5	2.5	1.3				
CLW200021			73%	34%	32%	28%	27%	30%	51%	51%	48%	48%	39%				
CLW 200025		BDWFM0495	120	65	62	67	63	76	104	112	102	122	110	1	1	1	
FB		JR 150004	-0.74	-11.3	-17.8	-18.3	-47	-4.1	1.3	9.0	1.0	2.0	1.2				
CLW200025			59%	47%	51%	46%	36%	46%	56%	56%	53%	48%	36%				

CWB Dams

Dam			Growth					Carcass					Stats				
ID	Parentage	Sire ID	Birth weight	Wean weight	12 mnth weight	18 mnth weight	Mature weight	Milk	IMF	Carcass weight	EMA	Rib Fat	Marble Fineness	Herds	Progeny	Active 2yrs & older	Carcasses
Name	Gen. DNA	Dam ID															
JAPANESE BLACK																	
CLW 210003	✓	CLW 170004	103	100	91	90	88	72	94	105	102	116	120	1	2	1	
PBD	✓	CLW 170001	0.90	3.0	0.5	0.0	-11	-6.0	0.1	4.4	1.0	1.4	2.7				
CLW210003			65%	29%	31%	31%	23%	30%	41%	41%	39%	37%	27%				
CLW 210005	✓	CLW 170004	127	105	96	96	94	81	83	96	91	101	119	1	1	1	
PBD	✓	HJ 140010	-1.42	4.8	3.4	4.7	-3	-1.1	-1.3	-2.2	-0.6	0.0	2.6				
CLW210005			67%	31%	31%	28%	22%	32%	42%	41%	39%	35%	24%				
EBF 160005		MOYFF0054	126	53	49	55	47	74	88	107	117	99	110	4	6	2	
FB		KSOFH0053	-1.32	-16.0	-25.6	-27.7	-70	-5.2	-0.7	6.0	3.4	-0.2	1.1				
EBF16005			67%	56%	60%	41%	18%	47%	57%	57%	54%	46%	33%				
FB37502	✓	USAFB6204	124	93	91	92	90	95	100	104	95	105	105	1	1	1	
FB	✓	FB17258	-1.06	0.0	0.3	1.5	-8	5.9	0.8	3.3	0.0	0.4	0.4				
MG MS KITASEKI 104A			16%	11%	12%	10%	7%	12%	12%	12%	11%	10%	8%				
JR 150008	✓	MOYFF0054	125	68	64	70	59	76	93	104	99	109	111	3	9	6	
FB	✓	KJDFE0004	-1.15	-10.1	-16.2	-16.2	-52	-4.3	-0.1	3.3	0.6	0.7	1.3				
JR 150008			72%	49%	49%	41%	18%	49%	59%	59%	56%	47%	34%				
LP 180003	✓	WKSFS0100	148	70	65	67	66	81	126	77	122	78	85	2	5	1	
FB	✓	FB21541	-3.45	-9.3	-15.8	-18.0	-43	-1.5	4.1	-15.2	4.2	-2.2	-2.8				
LP BEULAH			54%	46%	62%	61%	17%	48%	38%	48%	44%	44%	24%				
LP 180004	✓	IMUFP0036	111	101	103	108	96	102	96	100	97	118	111	2	5	3	
FB	✓	FB24518	0.17	3.4	8.2	13.8	0	9.7	0.3	0.9	0.3	1.6	1.3				
LP CLAUDIA			66%	57%	59%	63%	33%	58%	48%	48%	45%	44%	33%				
LP 180010	✓	ETJ001	110	96	94	100	82	84	85	95	105	86	105	2	5	1	
FB	✓	FB21116	0.25	1.2	2.3	7.1	-19	0.2	-1.2	-2.6	1.6	-1.5	0.4				
LP GALILEE			56%	45%	61%	62%	39%	45%	45%	45%	44%	41%	33%				
MAR 180027	✓	KI 140006	114	87	91	93	99	105	83	85	94	78	108	1	1	1	
F1			-0.13	-2.4	0.4	2.4	5	11.2	-1.3	-9.5	-0.1	-2.2	0.7				
MERWE MAR18B27			47%	28%	29%	28%	20%	26%	32%	32%	31%	27%	21%				
MAR 190006	✓	MAR 170003	77	113	104	103	88	75	103	94	102	80	102	1	4	1	
FB	✓	AW 170007	3.47	8.1	8.3	10.0	-11	-4.5	1.2	-3.3	1.1	-2.0	-0.2				
BEAUTY			68%	32%	33%	27%	29%	29%	39%	39%	37%	34%	26%				
MAR 210161	✓	MAR 170002	93	100	101	101	105	107	87	84	85	105	123	1	1	1	
F1			1.90	3.1	7.0	8.1	13	12.2	-0.9	-10.2	-1.6	0.4	3.1				
MAR210161			27%	23%	24%	19%	14%	19%	30%	30%	28%	26%	20%				
MAR11			108											1	1	1	
BS			0.41														
MERWE 11			28%														

CWB Dams

Dam			Growth					Carcass					Stats				
ID	Parentage	Sire ID	Birth weight	Wean weight	12 mnth weight	18 mnth weight	Mature weight	Milk	IMF	Carcass weight	EMA	Rib Fat	Marble Fineness	Herds	Progeny	Active 2yrs & older	Carcasses
Name	Gen. DNA	Dam ID															
JAPANESE BLACK																	
MAR32 BS MERWE 32			95 1.73 28%											111			
PAL 190011 PBD PAL190011			112 0.10 55%	103 4.0 32%	95 3.2 42%	95 3.8 35%	89 -10 22%	70 -7.2 29%	95 0.2 53%	54 -31.3 53%	102 1.2 50%	62 -3.7 49%	113 1.7 38%	121			
PK 140012 FB CHRISTENE			108 0.49 68%	86 -2.8 53%	78 -7.4 54%	78 -9.8 52%	87 -12 50%	74 -5.2 54%	79 -1.8 64%	96 -1.8 64%	83 -1.9 62%	97 -0.4 55%	130 4.3 44%	411			
WAP 150001 FB MOYF054'S			116 -0.36 65%	65 -11.1 41%	64 -16.1 48%	68 -17.1 45%	63 -46 17%	78 -2.7 43%	93 0.0 60%	79 -14.3 60%	102 1.1 55%	124 2.2 49%	129 4.1 33%	91772			

CWB Bulls

Inbreeding >6% is high					<75	75 - 125	>125	Breeding values with an accuracy < 5% are not printed															
Bull					Selection Value					Calf weight		Mother		Growth		Fertility			Carcass				
ID	%Inbreeding	Parentage			Calving Ease Value	Calf Growth Value	Milk Value	Maintenance Value	Fertility Value	Birth Weight	Wean Weight	Birth Mat.	Milk (Wn. Mat.)	Postwean Weight	Mature Weight	Heifer Fertility	Cow Fertility	Longevity	IMF	Carcass Weight	EMA	Rib Fat	Marbling Fineness
Name		Genomic	DNA	Sire ID Dam ID																			
JAPANESE BLACK																							
CWBMMAR 230001				✓ MAR 180004	85	102	108	92	108	85	102	100	108	104	108	109	106	110	98	105	98	103	99
F1					2.69	3.6				2.69	3.6	-0.40	13.2	8.9	18	-8.3	-0.6	9.5	0.5	4.6	0.4	0.2	-0.6
MERWE BISON					30%	25%	22 %	15%	17%	31 %	25 %	25%	22%	20%	15%	23%	11%	32 %	27 %	27 %	26 %	23 %	17 %
CWBMMAR 230002				✓ MAR 170003	86	103	106	93	98	85	103	105	106	102	107	101	96	91	90	101	106	91	104
F1					2.67	4.1				2.67	4.1	-0.57	11.8	8.1	16	-3.2	1.2	1.5	-0.5	1.6	1.7	-1.0	0.2
MERWE MAR230002					30%	23%	21 %	20%	18%	31 %	23 %	27%	21%	22%	20%	23%	12%	34 %	29 %	29 %	28 %	26 %	20 %
CWBMMAR 230009				✓ MAR 170003	86	103	106	93	98	85	103	105	106	102	107	101	96	91	90	101	106	91	104
F1					2.67	4.1				2.67	4.1	-0.57	11.8	8.1	16	-3.2	1.2	1.5	-0.5	1.6	1.7	-1.0	0.2
MERWE MAR230009					30%	23%	21 %	20%	18%	31 %	23 %	27%	21%	22%	20%	23%	12%	34 %	29 %	29 %	28 %	26 %	20 %
CWBMMAR 230035				✓ MAR 170002	96	100	107	95	95	93	100	106	107	101	105	100	92	89	87	84	85	105	123
F1					1.90	3.1				1.90	3.1	-0.59	12.2	7.1	13	-2.9	1.8	0.3	-0.9	-10.2	-1.6	0.4	3.1
MERWE MAR230035					26%	23%	19 %	14%	17%	27 %	23 %	24%	19%	22%	14%	22%	12%	34 %	30 %	30 %	28 %	26 %	20 %
CWBMMAR 230044				✓ MAR 170002	96	100	107	95	95	93	100	106	107	101	105	100	92	89	87	84	85	105	123
F1					1.90	3.1				1.90	3.1	-0.59	12.2	7.1	13	-2.9	1.8	0.3	-0.9	-10.2	-1.6	0.4	3.1
MERWE MAR230044					26%	23%	19 %	14%	17%	27 %	23 %	24%	19%	22%	14%	22%	12%	34 %	30 %	30 %	28 %	26 %	20 %
CWBMMAR 230058				✓ MAR 170002	96	100	107	95	95	93	100	106	107	101	105	100	92	89	87	84	85	105	123
F1					1.90	3.1				1.90	3.1	-0.59	12.2	7.1	13	-2.9	1.8	0.3	-0.9	-10.2	-1.6	0.4	3.1
MERWE MAR230058					26%	23%	19 %	14%	17%	27 %	23 %	24%	19%	22%	14%	22%	12%	34 %	30 %	30 %	28 %	26 %	20 %
CWBMAW 243011	1			✓ AW 200035 ✓ AW 200005	110	113	75	100	91	106	113	114	75	104	100	93	90	120	98	100	89	142	131
FB					0.67	8.3				0.67	8.3	-0.92	-4.8	9.2	7	1.2	2.1	14.0	0.5	1.0	-0.9	3.9	4.5
ABSOLUTE GENETIC AW250011					32%	27%	22 %	19%	23%	33 %	27 %	28%	22%	24%	19%	30%	16%	39 %	32 %	31 %	29 %	29 %	23 %
CWBMMAR 240102				✓ MAR 170003	86	103	106	93	98	85	103	105	106	102	107	101	96	91	90	101	106	91	104
F1					2.67	4.1				2.67	4.1	-0.57	11.8	8.1	16	-3.2	1.2	1.5	-0.5	1.6	1.7	-1.0	0.2
MERWE MAR240102					30%	23%	21 %	20%	18%	31 %	23 %	27%	21%	22%	20%	23%	12%	34 %	29 %	29 %	28 %	26 %	20 %
CWBMMAR 241003				✓ MAR 170003	86	103	106	93	98	85	103	105	106	102	107	101	96	91	90	101	106	91	104
F1					2.67	4.1				2.67	4.1	-0.57	11.8	8.1	16	-3.2	1.2	1.5	-0.5	1.6	1.7	-1.0	0.2
MERWE MAR241003					30%	23%	21 %	20%	18%	31 %	23 %	27%	21%	22%	20%	23%	12%	34 %	29 %	29 %	28 %	26 %	20 %
CWBMMAR 241011				MAR 190005	106	91	106	97	95	101	91	109	106	94	103	98	94	100	83	95	91	90	112
F1					1.11	-0.8				1.11	-0.8	-0.74	12.0	2.4	10	-1.6	1.6	5.2	-1.4	-2.7	-0.6	-1.1	1.4
MERWE MAR241011					32%	20%	19 %	16%	16%	35 %	20 %	22%	19%	20%	16%	20%	11%	30 %	23 %	22 %	22 %	19 %	15 %
CWBMMAR 241012				MAR 210161	97	94	105	106	102	104	94	65	105	102	94	97	104	98	100	85	97	100	107
F1					0.81	0.7				0.81	0.7	0.92	11.3	7.7	-2	-1.2	-0.5	4.5	0.9	-9.5	0.3	-0.1	0.6
MERWE MAR 241012					14%	11%	10 %	7 %	8 %	14 %	11 %	12%	10%	11%	7 %	11%	6%	20 %	15 %	15 %	14 %	13 %	10 %
CWBMAW 250014	15			✓ AW 200035 ✓ AW 200002	122	94	79	115	88	116	94	103	79	93	85	87	92	126	105	90	93	127	122
FB					-0.36	0.3				-0.36	0.3	-0.50	-2.5	1.2	-14	4.9	2.0	16.4	1.4	-6.5	-0.3	2.5	3.1
ABSOLUTE GENETIC AW250014					33%	26%	26 %	24%	24%	34 %	26 %	31%	26%	24%	24%	30%	17%	41 %	27 %	27 %	25 %	24 %	18 %

CWB Bulls

Inbreeding >6% is high				<75	75 - 125	>125	Breeding values with an accuracy < 5% are not printed															
Bull				Selection Value					Calf weight		Mother		Growth		Fertility			Carcass				
ID	%Inbreeding	Parentage		Calving Ease Value	Calf Growth Value	Milk Value	Maintenance Value	Fertility Value	Birth Weight	Wean Weight	Birth Mat.	Milk (Wn. Mat.)	Postwean Weight	Mature Weight	Heifer Fertility	Cow Fertility	Longevity	IMF	Carcass Weight	EMA	Rib Fat	Marbling Fineness
Name		Genomic	DNA																			
JAPANESE BLACK																						
CWBMAW 250016 6  AW 200035				122	87	72	119	98	115	87	108	72	81	81	92	104	119	109	87	86	122	122
PBD  AW 210006				-0.24	-2.3	-0.69	-6.2	-6.8	-20	1.6	-0.2	13.3	2.0	-8.4	-1.4	2.0	3.1	33 %	33 %	31 %	30 %	25 %
ABSOLUTE GENETIC AW250016				35%	28%	27 %	25%	26%	36 %	28 %	32%	27%	28%	25%	33%	18%	42 %	33 %	33 %	31 %	30 %	25 %
CWBMAW 250021 5  AW 220004				120	88	72	120	101	124	88	126	72	84	80	101	103	122	98	88	107	110	120
FB  AW 200032				-1.07	-1.8	-1.38	-6.0	-4.8	-22	-3.7	0.1	14.8	0.5	-7.9	1.9	0.9	2.6	0.5	-7.9	1.9	0.9	2.6
ABSOLUTE GENETIC AW250021				30%	26%	24 %	22%	24%	31 %	26 %	28%	24%	25%	22%	30%	17%	39 %	29 %	30 %	28 %	26 %	21 %
CWBMAW 250027 4  AW 200035				109	84	88	115	90	107	84	97	88	85	85	85	95	113	104	97	92	123	117
FB  CLW 200007				0.56	-3.5	-0.26	2.5	-4.3	-16	5.6	1.6	11.0	1.3	-1.7	-0.5	2.1	2.2	1.3	-1.7	-0.5	2.1	2.2
ABSOLUTE GENETIC AW250027				34%	27%	26 %	24%	20%	35 %	27 %	32%	26%	28%	24%	27%	14%	38 %	31 %	31 %	29 %	27 %	20 %
CWBMMAR 251210 MAR 200007				106	86	106	109	89	102	86	111	106	90	91	93	89	99	100	99	104	98	99
PEN				1.07	-2.6	-0.79	12.0	-0.9	-6	1.4	2.6	4.9	0.8	-0.2	1.4	-0.3	-0.7	0.8	-0.2	1.4	-0.3	-0.7
MERWE MAR251210				25%	20%	20 %	15%	14%	26 %	20 %	23%	20%	18%	15%	20%	8%	26 %	21 %	20 %	19 %	17 %	10 %
CWBMMAR 251212 MAR 200007				106	86	106	109	89	102	86	111	106	90	91	93	89	99	100	99	104	98	99
PEN				1.07	-2.6	-0.79	12.0	-0.9	-6	1.4	2.6	4.9	0.8	-0.2	1.4	-0.3	-0.7	0.8	-0.2	1.4	-0.3	-0.7
MERWE MAR251212				25%	20%	20 %	15%	14%	26 %	20 %	23%	20%	18%	15%	20%	8%	26 %	21 %	20 %	19 %	17 %	10 %
CWBMMAR 251213 MAR 200007				106	86	106	109	89	102	86	111	106	90	91	93	89	99	100	99	104	98	99
PEN				1.07	-2.6	-0.79	12.0	-0.9	-6	1.4	2.6	4.9	0.8	-0.2	1.4	-0.3	-0.7	0.8	-0.2	1.4	-0.3	-0.7
MERWE MAR251213				25%	20%	20 %	15%	14%	26 %	20 %	23%	20%	18%	15%	20%	8%	26 %	21 %	20 %	19 %	17 %	10 %
CWBMMAR 251214 MAR 200007				106	86	106	109	89	102	86	111	106	90	91	93	89	99	100	99	104	98	99
PEN				1.07	-2.6	-0.79	12.0	-0.9	-6	1.4	2.6	4.9	0.8	-0.2	1.4	-0.3	-0.7	0.8	-0.2	1.4	-0.3	-0.7
MERWE MAR251214				25%	20%	20 %	15%	14%	26 %	20 %	23%	20%	18%	15%	20%	8%	26 %	21 %	20 %	19 %	17 %	10 %
CWBMMAR 251220 MAR 200007				106	86	106	109	89	102	86	111	106	90	91	93	89	99	100	99	104	98	99
PEN				1.07	-2.6	-0.79	12.0	-0.9	-6	1.4	2.6	4.9	0.8	-0.2	1.4	-0.3	-0.7	0.8	-0.2	1.4	-0.3	-0.7
MERWE MAR251220				25%	20%	20 %	15%	14%	26 %	20 %	23%	20%	18%	15%	20%	8%	26 %	21 %	20 %	19 %	17 %	10 %

CWB Cows

Inbreeding >6% is high				<75	75 - 125	>125	Breeding values with an accuracy < 5% are not printed																
Cow				Selection Values					Kalf gewig		Moeder		Groei		Vrugbaarheid			Karkas					
ID	Name	%Inbreeding	Parentage		Calving Ease Value	Calf Growth Value	Milk Value	Maintenance Value	Fertility Value	Birth Weight	Wean Weight	Birth Mat.	Milk (Wn.Mat.)	Postwean Weight	Mature Weight	Heifer Fertility	Cow Fertility	Longevity	IMF	Carcass Weight	EMA	Rib Fat	Marbling Fineness
			Genomic DNA	Sire ID																			
JAPANESE BLACK																							
CWBFMAR 200022 ✓ KI 140006				108	90	106	101	96	104	90	114	106	95	99	104	92	81	83	85	94	78	108	
F1 MERWE MAR20B22				39 %	28 %	26 %	20 %	22 %	0.83 41 %	-1.2 28 %	-0.89 30 %	11.8 26 %	3.0 28 %	5 20%	-5.2 29%	2.0 15%	-2.9 41 %	-1.3 32 %	-9.5 32 %	-0.1 31 %	-2.2 27 %	0.7 21 %	
CWBFMAR 210022 ✓ MAR 170002				96	100	107	95	95	93	100	106	107	101	105	100	93	89	87	84	85	105	123	
PEN CWBFBV22 MERWE MAR210022				26 %	23 %	19 %	14 %	17 %	1.90 27 %	3.1 23 %	-0.59 24 %	12.2 19 %	7.1 22 %	13 14%	-2.9 22%	1.8 12%	0.3 34 %	-0.9 30 %	-10.2 30 %	-1.6 28 %	0.4 26 %	3.1 20 %	
CWBFMAR 230028 ✓ MAR 170003				86	103	106	93	98	85	103	105	106	102	107	101	96	91	90	101	106	91	104	
F1 MERWE MAR230028				30 %	23 %	21 %	20 %	18 %	2.67 31 %	4.1 23 %	-0.57 27 %	11.8 21 %	8.1 22 %	16 20%	-3.2 23%	1.2 12%	1.5 34 %	-0.5 29 %	1.6 29 %	1.7 28 %	-1.0 26 %	0.2 20 %	
CWBFAW 243001 2 ✓ SWK 210153				115	83	83	118	90	133	83	110	83	81	82	90	92	110	128	89	114	96	88	
FB LP 180003 ABSOLUTE GENETIC AW243001				50 %	48 %	36 %	22 %	24 %	-1.96 53 %	-3.9 48 %	-0.77 39 %	-0.5 36 %	-7.2 47 %	-19 22%	3.2 34%	1.9 14%	9.6 44 %	4.4 30 %	-7.3 33 %	3.0 31 %	-0.5 31 %	-2.3 23 %	
CWBFAW 243003 3 ✓ AW 200035				117	93	85	113	103	115	93	91	85	94	87	105	102	117	101	93	93	126	121	
FB LP 180004 ABSOLUTE GENETIC \AW250003				39 %	34 %	33 %	23 %	22 %	-0.25 40 %	0.2 34 %	-0.03 37 %	1.0 33 %	2.1 35 %	-13 23%	-5.5 30%	0.1 15%	12.7 41 %	0.9 31 %	-4.1 31 %	-0.4 29 %	2.4 29 %	2.9 21 %	
CWBFAW 243007 1 ✓ SWK 210153				116	96	84	109	101	114	96	92	84	96	91	100	103	121	107	97	106	100	98	
FB LP 180010 ABSOLUTE GENETIC AW243007				50 %	48 %	35 %	28 %	28 %	-0.11 53 %	1.3 48 %	-0.08 40 %	0.4 35 %	3.6 47 %	-7 28%	-2.6 36%	0.0 19%	14.0 44 %	1.7 32 %	-1.0 32 %	1.7 31 %	-0.1 31 %	-0.8 25 %	
CWBFMAR 251003 ✓ MAR 190005				106	91	106	97	95	101	91	109	106	94	103	98	94	100	83	95	91	90	112	
PEN MERWE DAISY				32 %	20 %	19 %	16 %	16 %	1.11 35 %	-0.8 20 %	-0.74 22 %	12.0 19 %	2.4 20 %	10 16%	-1.6 20%	1.6 11%	5.2 30 %	-1.4 23 %	-2.7 22 %	-0.6 22 %	-1.1 19 %	1.4 15 %	
CWBFMAR 251015 ✓ MAR 190005				106	91	106	97	95	101	91	109	106	94	103	98	94	100	83	95	91	90	112	
PEN MERWE MAR251015				32 %	20 %	19 %	16 %	16 %	1.11 35 %	-0.8 20 %	-0.74 22 %	12.0 19 %	2.4 20 %	10 16%	-1.6 20%	1.6 11%	5.2 30 %	-1.4 23 %	-2.7 22 %	-0.6 22 %	-1.1 19 %	1.4 15 %	
CWBFMAR 251030 ✓ MAR 200007				106	86	106	109	89	102	86	111	106	90	91	93	88	99	100	99	104	98	99	
PEN MERWE MAR251030				25 %	20 %	20 %	15 %	14 %	1.07 26 %	-2.6 20 %	-0.79 23 %	12.0 20 %	-0.9 18 %	-6 15%	1.4 20%	2.6 8%	4.9 26 %	0.8 21 %	-0.2 20 %	1.4 19 %	-0.3 17 %	-0.7 10 %	
CWBFMAR 251209 ✓ MAR 200007				106	86	106	109	89	102	86	111	106	90	91	93	88	99	100	99	104	98	99	
PEN MERWE MAR251209				25 %	20 %	20 %	15 %	14 %	1.07 26 %	-2.6 20 %	-0.79 23 %	12.0 20 %	-0.9 18 %	-6 15%	1.4 20%	2.6 8%	4.9 26 %	0.8 21 %	-0.2 20 %	1.4 19 %	-0.3 17 %	-0.7 10 %	
CWBFMAR 251211 ✓ MAR 200007				106	86	106	109	89	102	86	111	106	90	91	93	88	99	100	99	104	98	99	
PEN MERWE MAR251211				25 %	20 %	20 %	15 %	14 %	1.07 26 %	-2.6 20 %	-0.79 23 %	12.0 20 %	-0.9 18 %	-6 15%	1.4 20%	2.6 8%	4.9 26 %	0.8 21 %	-0.2 20 %	1.4 19 %	-0.3 17 %	-0.7 10 %	
CWBFMAR 260203 ✓ MAR 200007				106	86	106	109	89	102	86	111	106	90	91	93	88	99	100	99	104	98	99	
PEN MERWE MAR260203				25 %	20 %	20 %	15 %	14 %	1.07 26 %	-2.6 20 %	-0.79 23 %	12.0 20 %	-0.9 18 %	-6 15%	1.4 20%	2.6 8%	4.9 26 %	0.8 21 %	-0.2 20 %	1.4 19 %	-0.3 17 %	-0.7 10 %	

