

A WARM WELCOME The Strin family & Invitals

We are excited to welcome our old and new friends and fellow Wagyu believers to New Mexico for our fifth Fullblood Wagyu Production Sale on 20 May 2017. We at Lone Mountain appreciate Wagyu as the supreme carcass breed, and are thrilled to be a part of this growing movement. As we continue to develop and grow our Fullblood herd, we remain true to our core mission: to cultivate the best Wagyu herd possible and to secure that excellence by passing along as much information as possible to other Wagyu breeders, old and new.

To that end, this sale catalog contains our entire herd development and management playbook. In the following pages, you'll find our updated 2017 Sire Performance Study; an explanation and updated results of BREEDPLAN Group analysis; Japanese 16-16 Analysis of Wagyu pedigrees; the Takeda Rotational Breeding Program; as well as extensive information and all-important data about our outstanding 100+ sale lots.

We have always maintained that the most important facet of a successful Wagyu operation is the collection, management and analysis of data. We have been collecting data on Lone Mountain Fullblood Wagyu since we birthed our first Fullblood Wagyu calf, LMR Kitamichi 101R on 22 September 2005. In 2010 we harvested our first steers. In 2011 we purchased a camera designed and built by Dr. Keigo Kuchida, a leading expert of Wagyu science (Obihiro University, Japan). We fondly refer to it as our carcass camera. Our first harvest utilizing the camera was in April of that year (2011).

In 2014 prior to our production sale we felt that we had enough data to publish the results of our ongoing study, which we called the 2014 Lone Mountain Sire Performance Study. That study was based on images capture from 148 carcasses. Utilizing Dr. Kuchida's software – the same software used by the Japan Meat Grading Association (JMGA) – we ranked by Marbling percentage (IMF%) the sires and dam sires that we had used to produce the steers and a few heifers. We also ranked the sires as graded by the USDA graders at the abattoir in Omaha – and by Ribeye Area (REA) and Carcass Weight.

It was a start. Now after three years, we are proud to publish the continuation of that study (2017 LONE MOUNTAIN SIRE PERFORMANCE STUDY, beginning on page 4), with a few changes. First, and foremost, we have more than tripled the number of carcasses studied to 472 – which adds significantly to the level of accuracy. And we have added a Fineness Ranking – with interesting results. We hope that the data provided by our rigorous data collection proves helpful to our fellow breeders in bringing the best of this breed to bear.

For data is king in this endeavor. It is somewhat distressing to see the disinformation and lack of information, which are far too common in the Wagyu community. As an example, members of the Association appear to perceive BREEDPLAN to be an Australian-centric data collection and analytic body. In reality, BREEDPLAN calculates EPDs/EBVs for nine US breed associations, including Hereford, Brahman, Saler, Beefmaster, South Devon and Murray Grey. There also is a common disbelief that the SCD (Stearoyl-CoA Desaturase) genotype is "fake" science. We can't disagree more. For according to various well-regarded pieces of Japanese literature, the genetic effects and correlations of the SCD enzyme to fatty acid composition and melting point are proven, and we encourage you to read through more of those studies in this catalog (see the section on STEAROYL COA DESATURASE, on page 11), and on our website. For all these reasons, we have tested all of our animals to see what their genotypes are.

We have been in the forefront of providing data to those looking for answers, and in that vein we have totally revised and updated our original Sire Guide, which went through three printings. We hope that you will find it of use in your breeding and purchasing decisions. Many thanks and acknowledgment to mentors and teachers Jerry Reeves, Gerry Pittenger, Charley Gaskins, Ralph Valdez, Steve Bennett, Mike Buchanan, Tak Suzuki, Shogo Takeda, Ted Naruke, Graham Truscott, John Spreadborough, Peter Gilmour and Michael Beattie.

We look forward to our fifth Fullblood Wagyu Production Sale and intend once again to live up to your high expectations and meet our traditional standard of excellence. We are delighted to welcome you once again to the Land of Enchantment, New Mexico.

Warmly - Bob and Mary Estrin

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ESTRIN FAMILY

Bob and Mary Lloyd Estrin, Zoe Lloyd Foxley, Griff Foxley, Jesse Estrin, Eliot Estrin, Hazel Foxley and Gus Foxley. LMR & LMW STAFF

Stanley Hartman, Justin Boatright, Daniel Montaña, JD Lowe, Michael Beattie, Diana Schafer, Nellie Abel, Steve Wax, Susan Holden, Sindi (Sid) Concebida and Reid Martin.

SALE MANAGED B





509 989 2855

James Danekas & Associates, Inc. P.O. Box 8629, Woodland, CA 95776 My team and I will be at the sale site from May 15, 2017 through the

completion of the sale.

Mercedes Danekas-Lohse 916 849 2725

AUCTIONEER

Butch Booker, Colfax, WA

REPRESENTATIVES	
Sherry Danekas, Western Cowman Magazine	916 837 1432
Katie Colyer, LiveAuctions TV	208 599 2962
Rod Wessleman, Special Representative	509 750 2185
Kyle Colyer, Special Representative	208 250 3924
Dean Pike, Special Representative	303 810 7605

Buyers unable to attend may contact Robert Estrin, Stan Hartman, the Sale Management, Auctioneer, or any of the representatives for assistance in bidding.

SUPPLEMENTAL INFORMATION

A supplement sheet will be available on sale day with updated information.

HERD HEALTH

Lone Mountain Ranch has an aggressive herd health program overseen by Chris Brasmer, DVM. All females over six months are Brucellosis vaccinated. Mature females will be Brucellosis tested. All cattle will be TB and BVI PI tested. Interstate health papers furnished by Dr. Brasmer on all sold cattle.

BRAND INSPECTION

A NM Brand Inspector will be on site to issue Brand Inspection Certificates to allow for immediate shipment.

TERMS & CONDITIONS

Cattle will sell under the standard terms and conditions. You will have the 100% guarantee from Lone Mountain Ranch. Any announcements from the block take precedence over any printed material.

DELIVERY

Although shipping is the buyer's responsibility, we will be glad to assist you in making the best possible arrangements. Randy Lathrop, Lathrop Trucking, Dundee, IL, will have a semi at the sale site to load cattle out on Sunday, May 21. All cattle hauled by Lathrop must be insured. Other reliable truckers will also be available. We ask that cattle be removed on Sunday. Those that cannot will be taken back to Lone Mountain Ranch.

LIVESTOCK MORTALITY INSURANCE

A representative of American Livestock Insurance Co. will be with the sale management to assist you with mortality insurance for your purchases.

FOOD & REFRESHMENTS

A pre-sale get-together will be held 5:00 PM to 7:00 PM on May 19, 2017 at the Sale Headquarters, Albuquerque Marriott Hotel, 2101 Louisiana Boulevard NE, Albuquerque, NM, 505-881-6800. All are invited. Coffee, juices and donuts will be available Sale Day morning. A Mexican-style Lone Mountain Wagyu lunch will be served Sale Day.

SCHEDULE & ACCOMMODATIONS

Please see the inside back cover for other accommodations in the Albuquerque area.

AIR TRANSPORTATION

Many international air carriers service the Albuquerque airport.

INSPECTION OF CATTLE

Cattle will be available at the sale site from May 18 through the completion of the sale. Prior inspection may be made at Lone Mountain Ranch, Golden, NM.

GENETIC CONDITIONS

All cattle selling are free of all known genetic conditions by pedigree

SALE DAY PHONES

Mercedes Danekas-Lohse	916 849 2725
Sherry Danekas	916 768 1431
Bob Estrin	310 339 9652
Griff Foxley	646 325 0919

LIVEAUCTIONS TV

Real-time bidding is available via the Live Auctions. Real-time bidding is available via the internet. Live audio and live video will allow registered buyers to bid on the animals just as they were present the sale day. A buyer account must be created prior to the sale. Please visit http://www.liveauctions.tv to create an account and request a bidder number. Instructions are available to walk you through the account set up process. If you cannot attend the sale because of weather, distance or business conflicts, please use LiveAuctions. tv. Buyers who would like to bid via internet must register with LiveAuctions.tv two days prior to the sale. If you have questions, please contact Katie Colyer 208 599 2962.

LOT NUMBERS

The sale lot tags will correspond with the catalog. Calves along side will be "A" lots.

FOREIGN BUYERS

Purchases are FOB Golden, NM. Necessary health work will be completed by Lone Mountain Ranch to satisfy Canadian and Mexican requirements. Lone Mountain Ranch cannot guarantee that purchases will pass all the necessary tests for export.

LIABILITY

All persons attending this sale, do so at their own risk, legal or otherwise for their safety and the behavior of the animals. The Owners, Management and Sale Staff assume no responsibility or liability for property loss or any accidents that may occur.

2017 LONE MOUNTAIN SIRE PERFORMANCE STUDY

As mentioned in the Welcome letter, we are proud to publish the results of our ongoing SIRE PERFORMANCE STUDY here. Based upon the results of almost 500 carcasses, each analyzed by Dr. Keigo Kuchida's carcass camera and software, the results provide insights about many of the genetic highlights found in the sale lots that follow. A few of the most compelling conclusions are highlighted here:

WKS Yasufuku Jr, with 30 images analyzed, has moved up to the top spot in the 2017 SIRE STUDY from the #2 spot in 2014 (where he had only 9 carcasses). He remained the top Dam Sire as he was in 2014 (30 images in 2017 vs 13 images in 2014). Most interesting about his numbers is that as a sire, it does not seem to matter the Dam Sire – **Sanjirou**, **Toshiro**, **Kitaguni** etc: across the board he seemed to boost the marbling by a large margin. But, when Yasufuku Jr is analyzed as Dam Sire, it is a different story – the vast majority were sired by **WKS Kitaguni Jr**.

It gets more interesting – the data we have collected on **Yasufuku** is consistent with the results of a study completed by Greg Gibbons* in 2012. The study showed **Yasufuku** Jr as the leading Sire with an average IMF of 40.8%. Yet, strangely enough, BREEDPLAN has assigned him very ordinary EBVs. We do not often quibble with their calculations – matter of fact, this is the one time in recent memory that baffles most breeders who feel that **Yasufuku** is a mighty force in the Wagyu world. Having said all of that, we are still strong BREEDPLAN supporters – and feel that they are providing a powerful and important service. And we agree wholeheartedly with most all the other results.

WKS Kitaguni Jr was formerly the highest ranked Sire for IMF% - but it was based on only 9 carcasses. As Yasufuku Jr moved up on all the charts, he simply pushed **Kitaguni** out of the way. Even with 55 **Kitaguni Jr** carcasses sired in this year's study, **Yasufuku Jr** still outranks everyone else. Importantly, with 11 carcasses as Dam Sire, **Kitaguni Jr** shows his power by ranking #2 – outperforming even **TF148**. And in terms of Fineness of the Marbling, **Kitaguni Jr** is ranked second – and to those who are breeding for beef, that is an important measurement. The same holds true for his Dam Sire rankings. Contrary to **Yasufuku's** details noted above – it does not seem to matter when looking at Sire results, it does not matter who his is bred to nor does it matter who the Sire is when looking at the Dam Sire results – he brings it in both cases! We have been pleased to see **Kitaguni's** BREEDPLAN numbers climb up and up since submitting our data.

A new addition to the study, the Fineness Ranking, has just been implemented – and the results are interesting to say the least. The top ranked Sire in terms of fineness is a Lone Mountain sire, **LMR Akahige 8199U** – with **LMR Yojimbo** ranked fourth. But **WKS Yasufuku Jr** is the top ranked Dam Sire followed by a trio of Takeda sires: **TF Itomichi 1-2, Itozurudoi TF151** and **Itoshigenami TF148**. The Fineness trait is very important when raising Wagyu for beef – coarse marbling is not what you want to see in the ribeye. And this trait seems to be heritable, though I do not know what that exact number is.

One final note as you read over the catalog. We have included the Standard Deviation (STDEV) in both the IMF% and Fineness Ranking tables. STDEV is the average deviation from the mean. The higher the standard deviation number, the more divergent the results are and thus, to an extent, less meaningful. A low STDEV makes for a consistent outcome.

Sires with 5 or fewer analyzed progeny are omitted.

*Greg Gibbons, a senior executive and the breeding and feedlot expert of Wagyu at the Australian Agricultural Company (AACo), was just awarded Honorary Life Membership by the Australian Wagyu Association. Greg, a longtime friend of Lone Mountain, visited Lone Mountain about 10 years ago and subsequently wrote an article about the ranch for the Australian newsletter when he was acting as the editor of the highly regarded magazine.

This study is the sole property of Lone Mountain and reproduction of any data should be attributed to Lone Mountain Cattle Company.

INTRAMUSCULAR FAT - IMF%

Intramuscular Fat Percentage (IMF%) is the amount of marbling in the ribeye as a percentage of total meat surface area, as measured objectively by Dr. Kuchida's Carcass Camera. Standard Deviation (STDEV) indicates the amount to which the samples deviate from the average IMF% - thus, a smaller STDEV indicates the IMF% of samples of a sire are closer to that average IMF%.

SIRES RANKED BY IMF%

	SIRE	AVG IMF%	NO. IMAGES ANALYZED	STDEV
1	WKS YASUFUKU JR	32.96%	32	7.20%
2	WKS KITAGUNI JR	31.71%	55	6.56%
3	ITOSHIGENAMI TF148	30.84%	24	6.65%
4	LMR YOJIMBO 634S	30.58%	16	6.22%
5	WKS SANJIROU	30.15%	14	5.24%
6	BM HIKOSHIGEFUJI Y342	29.86%	8	4.96%
7	LMR HIRO 0195X	29.58%	9	8.77%
8	LMR AKAHIGE 8119U	29.24%	12	6.09%
9	WKS SHIGESHIGETANI	29.18%	36	6.27%
10	TF ITOHANA 2	29.09%	17	6.61%
11	LMR MASAHIKO 1250Y	28.34%	6	4.34%
12	LMR TOSHIRO 723T	27.27%	28	5.63%
13	JVP FUKUTSURU 068	26.81%	9	6.45%
14	LMR KENICHI 807T	26.56%	6	7.97%
15	LMR HIROSHI 766T	26.50%	7	4.06%
16	WKS TAKAZAKURA	25.82%	10	6.63%
17	LMR MICHIRO 0193X	25.79%	6	4.70%
18	ITOZURUDOI TF151	25.75%	8	5.75%
19	LMR SANJIROU 603S	25.69%	8	6.83%
20	ITOSHIGEFUJI TF147	25.66%	9	7.77%

DAM SIRES RANKED BY IMF%

	DAM'S SIRE	AVG IMF%	NO. IMAGES ANALYZED	STDEV
1	WKS YASUFUKU JR	34.11%	35	5.94%
2	WKS KITAGUNI JR	32.49%	11	9.16%
3	BAR R SANJIROU 4P	30.50%	16	6.75%
4	ITOSHIGENAMI TF148	29.71%	18	5.76%
5	ITOZURUDOI TF151	29.29%	9	5.66%
6	TF ITOMICHI 1-2	28.96%	8	4.02%
7	TF ITOHANA 2	28.62%	12	7.94%
8	BR ITOMICHI/0602 4632	28.57%	10	7.41%
9	WKS MICHIFUKU	28.10%	75	7.51%
10	WKS SANJIROU	28.10%	58	6.39%
11	ITOSHIGEFUJI TF147	27.93%	13	6.19%
12	LMR TOSHIRO 723T	27.20%	6	10.25%
13	BR ITOMICHI 0602	26.65%	24	5.34%
14	BR MICHIFUKU 8614	26.52%	12	5.79%
15	BR KITATERUYASUDOI 0632	25.92%	11	4.67%

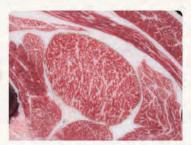
SIRE & DAM SIRES RANKED BY MARBLE FINENESS

Marble Fineness EBV (Marbling Fineness Index) is an estimate of the genetic difference in the Marbling Fineness Index (degree of fineness of marbling fat) as measured by the Japanese digital image camera. Sires with higher EBVs are expected to produce progeny with higher levels of marbling fineness.

Not only does the camera identify traits that hold economic importance, it also measures traits such as fineness / coarseness of marbling that can influence greatly the value of the carcass which is depicted below in the two images.







The focus of this trait has been of particular interest to the Japanese and is now increasingly being identified as an important characteristic to those countries producing Wagyu outside Japan. We here at Lone Mountain evaluate and assess the Fineness Values of our genetics in our breeding program and wholeheartedly believe the eating quality attributes (texture, flavor, juiciness and palatability) of Wagyu beef is highly correlated. As such, we incorporate both the raw and the calculated observations in our carcass assessment.

Following is a table of our slaughter data illustrating the phenotypic or "raw" fineness value (as determined by the Beef Analyzer II software) of the Sires used in the Lone Mountain meat program.

SIRES RANKED BY MARBLE FINENESS

NUMBER **FINENESS RANKING** SIRE 1 LMR AKAHIGE 8119U 12 31.66 2 WKS KITAGUNI JR 55 30.16 3 **BM HIKOSHIGEFUJI Y342** 8 30.16 4 LMR YOJIMBO 6345 16 30.12 5 WKS SHIGESHIGETANI 36 29.81 6 **ITOZURUDOI TF151** 8 29.57 7 WKS YASUFUKU JR 32 29.55 8 **LMR KENICHI 807T** 6 29.33 9 JVP FUKUTSURU 068 9 29.05 10 **ITOSHIGENAMITF148** 24 28.97 11 LMR HIROSHI 766T 7 28.77 12 **LMR MASAHIKO 1250Y** 6 28.45 13 LMR HIRO 0195X 9 27.71 LMR KAZUKI 770T 14 8 27.68 15 **TFITOHANA 2** 17 27.66 16 **WKS MICHIFUKU** 16 27.63 17 **BARR SANJIROU 4P** 11 27.47 BRTAKAZAKURA-0606 3612 18 6 26.80 19 **WKS TAKAZAKURA** 10 26.77 20 LMR SANJIROU 603S 8 26.55 21 **ITOSHIGEFUJI TF147** 9 26.24 22 **LMR MICHIRO 0193X** 6 26.15 23 **LMR TOSHIRO 723T** 28 26.11 24 WKS SANJIROU 14 25.95 **ITOMORITAKA ETJ002** 25 25.40 6 26 WKS HARUKI II 19 24.88 27 HIRASHIGETAYASU ETJ001 20 24.55 28 **WW HIRASHIGETAYASU Z278** 17 22.73 29 LAR YOJIMBO 909W 11 22.10 30 TF ITOMICHI 1-2 15 20.40

DAM SIRES RANKED BY MARBLE FINENESS

	SIRE	NUMBER	FINENESS RANKING
1	WKS YASUFUKU JR	35	32.48
2	TF ITOMICHI 1-2	8	30.24
3	ITOZURUDOI TF151	9	29.36
4	ITOSHIGENAMI TF148	18	29.35
5	WKS KITAGUNI JR	11	29.28
6	BR MICHIFUKU 8614	12	28.74
7	ITOSHIGEFUJI TF147	13	28.27
8	WKS TAKAZAKURA	8	28.23
9	WKS JANJIROU	58	28.15
10	TF ITOHANA 2	12	27.96
11	BR ITOMICHI/0602 4632	10	27.67
12	WKS MICHIFUKU	75	27.61
13	BAR R SANJIROU 4P	16	27.61
14	BR ITOMICHI 0602	24	26.86
15	JVP FUKUTSURU 068	23	26.70
16	LMR YOJIMBO 634S	9	26.55
17	BR TAKAZAKURA-0606 3612	22	26.05
18	BR KITAERUYASUDOI 0632	11	25.92
19	BAR R FUKUTSURU 36H	7	25.78
20	HIRASHIGETAYASU ETJ001	7	25.58
21	BR TAKAZAKURA 0606	22	24.53
22	LMR TOSHIRO 723T	6	24.40
23	BAR R 12P TAK LMR	8	21.83

SIRES RANKED BY USDA GRADE

Affixed by USDA reps at the time of fabrication, USDA (marbling) Grading Scores range from SM (Small) to VAB (Very Abundant), with ranges in each quality from 0-100. The full breakdown of potential USDA Grade Scores follows, and for purposes of averaging, we have tranposed these

USDA scores to numbers.

SM	EQUALS	(200) — (100)	SM=SMALL
SMOD	EQUALS	(100) — 000	SMOD=SLIGHTLY MODERATE
MOD 0-100	EQUALS	000 — 100	MOD=MODERATE
SLA 0-100	EQUALS	100 — 200	SLA=SLIGHTLY ABUNDANT
MDA 0-100	EQUALS	200 — 300	MDA=MODERATELY ABUNDANT
AB 0-100	EQUALS	300 — 400	AB=ABUNDANT
VAB 0-100	EQUALS	400 — 500	VAB=VERY ABUNDANT

EXAMPLES:

SMOD30 = Slighly Moderate = -30 or (30)AB30 = Abundant 30 = +330 or 330

SIRES RANKED BY USDA GRADE

SIK	SIKES KANKED BY USDA GKADE							
	SIRE	NUMBER	USDA SCORE					
1	WKS YASUFUKU JR	32	361.88					
2	ITOSHIGENAMI TF148	24	359.57					
3	LMR YOJIMBO 634S	16	353.33					
4	WKS SHIGESHIGETANI	36	341.52					
5	BM HIKOSHIGEFUJI Y342	8	336.25					
6	WKS KITAGUNI JR	55	335.00					
7	TF ITOHANA 2	17	325.88					
8	WKS SANJIROU	14	311.43					
9	LMR HIRO 0195X	9	301.11					
10	LMR AKAHIGE 8119U	12	300.00					
11	LMR MASAHIKO 1250Y	6	298.33					
12	JVP FUKUTSURU 068	9	282.22					
13	LMR TOSHIRO 723T	28	279.64					
14	LMR KENICHI 807T	6	276.67					
15	WKS TAKAZAKURA	10	273.33					
16	WKS HARUKI II	19	272.58					
17	ITOSHIGEFUJI TF147	9	267.14					
18	LMR HIROSHI 766T	7	265.71					
19	HIRASHIGETAYASUETJ001	20	262.00					
20	LMR MICHIRO 0193X	6	261.67					

DAM SIRES RANKED BY USDA GRADE

	SIRE	NUMBER	USDA SCORE
1	WKS YASUFUKU JR	35	366.86
2	BAR R SANJIROU 4P	16	346.25
3	WKS KITAGUNI JR	11	342.73
4	ITOSHIGENAMI TF148	18	326.67
5	WKS SANJIROU	58	320.91
6	TF ITOMICHI 1-2	8	320.00
7	BR KITATERUYASUDOI 0632	11	318.00
8	WKS TAKAZAKURA	8	296.25
9	BR ITOMICHI/0602 4632	10	294.00
10	ITOSHIGEFUJI TF147	13	287.69
11	HIRASHIGETAYASU ETJ001	7	285.71
12	BR ITOMICHI 0602	24	283.91
13	WKS MICHIFUKU	75	276.38
14	TF ITOHANA 2	12	275.83
15	BR MICHIFUKU 8614	12	267.50

SIRES RANKED BY RIBEYE AREA (REA) BY SQUARE INCHES

Affixed by USDA reps at the time of fabrication, Ribeye Eye Muscle Area (REA) is a measure of ribeye size and, thus, the greater the REA, the greater the yield of meat.

SIRES RANKED BY REA

DAM SIRES RANKED BY REA

					CIDE		85.
	SIRE	NUMBER	REA		SIRE	NUMBER	REA
1	HIRASHIGETAYASU ETJ001	20	14.53	1	BR ITOMICHI/0602 4632	10	14.74
2	LMR MASAHIKO 1250Y	6	14.17	2	TF ITOMICHI 1-2	8	14.56
3	WKS SHIGESHIGETANI	36	14.15	3	BAR R SANJIROU 4P	16	14.33
4	WKS HARUKI II	19	14.12	4	BAR R 12P TAK LMR	8	14.30
5	WKS SANJIROU	14	14.11	5	ITOSHIGENAMI TF148	18	14.19
6	LMR MICHIRO 0193X	6	14.05	6	BR KITATERUYASUDOI 0632	11	14.04
7	LMR HIRO 0195X	9	14.04	7	LMR YOJIMBO 634S	9	14.00
8	LMR SANJIROU 603S	8	14.03	8	BR TAKAZAKURU 0606	22	13.92
9	BR TAKAZAKURA-0606 3612	6	13.98	9	WKS SANJIROU	58	13.74
10	WW HIRASHIGETAYASU Z278	17	13.94	10	BR TAKAZAKURA-0606 3612	22	13.52
11	WKS YASUFUKU JR	32	13.91	11	WKS MICHIFUKU	75	13.37
12	LMR TOSHIRO 723T	28	13.86	12	JVP FUKUTSURU 068	23	13.32
13	TF ITOHANA 2	17	13.82	13	HIRASHIGETAYASU ETJ001	7	13.30
14	LMR YOJIMBO 634S	16	13.78	14	TF ITOHANA 2	12	13.16
15	ITOSHIGENAMI TF148	24	13.64	15	WKS YASUFUKU JR	35	13.16
16	BM HIKOSHIGEFUJI Y342	8	13.50	16	BR MICHIFUKU 8614	12	13.09
17	LMR HIROSHI 766T	7	13.33	17	BAR R FUKUTSURU 36H	7	13.07
18	LAR YOJIMBO 909W	11	13.33	18	ITOSHIGEFUJI TF147	13	13.02
19	LMR AKAHIGE 8119U	12	13.32	19	BR ITOMISHI 0602	24	13.93
20	ITOSHIGEFUJI TF147	9	13.29	20	WKS KITAGUNI JR	11	12.85
21	ITOZURUDOI TF151	8	13.29	21	LMR TOSHIRO 723T	6	12.77
22	ITOMORITAKA ETJ002	6	13.20	22	ITOZURUDOI TF151	9	12.58
23	WKS MICHIFUKU	16	13.09	23	WKS TAKAZAKURA	8	12.51
24	BAR R SANJIROU 4P	11	13.08		·		
25	I MR KENICHI 807T	6	13.00				

A ROTATIONAL BREEDING PROGRAM

For breeders who are influenced by the <u>Rotational Breeding System</u> as promoted by Mr. Shogo Takeda, whether for Hybrid Vigor or other reasons, an updated version follows, including for the first time the battery of Lone Mountain Cattle Company Sires. The simple system consists of sires being divided into groups (either Marbling or Frame). There are just two rules:

First – Cows by "Frame" Sires should be bred to "Marbling" Sires

And

Second - Cows by "Marbling" Sires should be bred to "Frame" Sires

A sire is determined to be of one of these two groups by a straightforward and effective assessment tool: the Japanese 16/16 Analysis. First, the combination of key regional Wagyu strains is identified over four generations in an individual's pedigree. Second, the combinations are analyzed for those strains' particular likely outcomes. With that analysis in mind, successful breeding choices are made clear.

We believe in the definition of "successful breeding" put forth by Kenichi Ono in his book 100 Elite Wagyu Sires in Japan, Volumes I-III. This sentiment is echoed by Takao Suzuki and Mike Buchanan at the Australian Wagyu Forum in their explanation of this tool: Successful breeding of Wagyu is to:

- 1. Understand the characteristics of each strain
- 2. Plan combinations to cover weak points of individual strains
- 3. Don't over-emphasize one strain.

In this way, we use 16/16 Analysis to get a predictive sense of the outcome of breeding one animal's combination of traits to another.

As a point of reference, the following major strains and sub-strains of Japanese Black Wagyu commonly have these traits respective to them:

• Okayama (Shimomae): Large Frame

Sub-strains: Shimomae, Kiyokuni, Fujiyoshi, Itozakura

• Shimane: Outstanding Structure, Strong Length, Depth, and Good Milk

Sub-strain: Itozakura

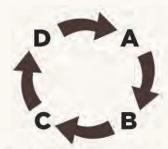
• Tottori: Large Frame, Superior Meat (Marbling) Quality, Good Milking

Sub-strains: Eiko, Kedaka

• **Hyogo** (**Tajima**): Superior Marbling, Most Popular

Sub-strains: Yasumi Doi, Kikumi Doi (aka Kikuteru Doi), Oku Doi, Shigakananemi (aka Kumanami),

Shiroiti, Kanemon



THE ROTATIONAL BREEDING SYSTEM GROUPS ARE LISTED BELOW:

GROUP A FRAME SIRES ARE:

TF ITOHANA 2 ITOMORITAKA ETJ002

GROUP C FRAME SIRES ARE IDENTIFIED AS:

BR ITOMICHI 0602 LMR DAISUKE 2470Z LMR ICHIBAN 810T LMR ITOMORITAKA 2015Z LMR NOBU 1208Y **KIMIFUKU TF 726** LMR HAYAO 5549C LMR AKAHIGE 8119U HIRASHIGETAYASU ETJ001 WW HIRASHIGETAYASU Z278 TF ITOMICH 1-2 **LMR KATSURU 4278B LMR KENICHI 807T** WKS KITAGUNI JR LMR MASAHIKO 1250Y LMR MICHIRO 0193X **LMR SENSEI 817T LMR TAISUKE 401B BR TAKAZAKURA 12P** LMR TOSHIRO 1/3

LMR YOSUKE 5165C

GROUP B MARBLING SIRES ARE IDENTIFIED AS:

LMR AOICHI 2468Z WKS-LMR MICHIFUKU 3500A LMR HIROYUKI 3492A JVP FUKUTSURU 068 ITOSHIGENAMI TF148 KITATERUYASUDOI ETJ003 WKS MICHIFUKU WKS SANJIROU **BARR SANJIRO 4P** WKS YASUFUKU JR

GROUP D MARBLING SIRES ARE:

BARRYASUFUKU 42K LMR SHICHIRO 2403Z LMR YASUMASA 2428Z LMR HARUKICHI 5106C LMR MITSURU 2450Z YASUTANI TF1012 WKS HARUKI II LMR HARUKIRO 5340C LMR HIRO 0195X LMR HIROSHI 766T LMR KUROSAWA 5301C WKS SHIGESHIGETANI LMR SHUNICHI 5339C BR TAKAZAKURA 0606 3612 LMR TENSAI 5359C LMR YOJIMBO 634S LMR YOSHIHIRO 4335B

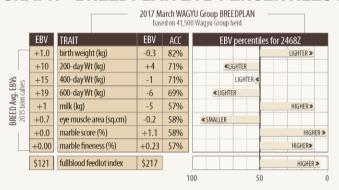
With one exception as noted, All LMCC Sires are Genetic Defect FREE – determined by parentage or by test. LMCC semen is distributed by ORIgen, Huntley, MT – http://www.origenbeef.org or call 1-866-867-4436 and ask to speak with Lacey Hunter, our representative.

WAGYU BREEDPLAN EBVS EXPLAINED

ESTIMATED BREEDING VALUES (EBVS)

An animal's breeding value is its genetic merit, half of which will be passed on to its progeny. While we will never know the exact breeding value, for performance traits it is possible to make good estimates. These are called Estimated Breeding Values (EBVs). The EBV is therefore the best estimate of an animal's genetic merit for that trait. EBVs are expressed as the difference between an individual animal's genetics and the genetic base to which the animal is compared.

EXAMPLE GRAPH - BREEDPLAN EVB PERCENTILES FOR 2468Z



ACCURACY

An accuracy value is presented with every EBV and gives an indication of the amount of information that has been used in the calculation of that EBV. The higher the accuracy, the lower the likelihood of change in the animal's EBV as more information is analyzed for that animal or its relatives.

ACCURACY RANGE INTERPRETATION

- Less than 50% = Low accuracy and should be considered a preliminary estimate. The EBV could change substantially as more performance information becomes available.
- 50 74% = Medium accuracy, usually based on the animal's own records and pedigree.
- 75 90% = Medium-high accuracy and usually includes some progeny information. Becoming a more reliable indicator of the animal's value as a parent.
- 90% and above = High accuracy. It is unlikely that the EBV will change much with the addition of more progeny data.

BIRTH

• **BWT**: Birth Weight EBV (kg) is based on the measured birth weight of animals. The lower the value the lighter the calf at birth and the lower the likelihood of a difficult birth. This is particularly important when selecting sires for use over heifers calving at 2 years of age.

GROWTH

- 200: 200-Day Growth EBV (kg) is calculated from the weight of animals taken between 80 and 300 days of age. This EBV is the best single estimate of an animal's genetic merit for growth to early ages.
- **400**: 400-Day Weight EBV (kg) is calculated from the weight of progeny taken between 301 and 500 days of age. This EBV is the best single estimate of an animal's genetic merit for yearling weight.
- 600: 600-Day Weight EBV (kg) is calculated from the weight of progeny taken between 501 and 900 days of age, adjusted to 600 days and for dam age. This EBV is the best single estimate of an animal's genetic merit for growth beyond yearling age.
- MILK: 200-Day Milk EBV (kg) is an estimate of an animal's milking ability. For sires, this EBV is indicative of their daughter's milking ability as it affects the 200-day weight of their calves.

CARCASS

- Carcass Weight EBV (kg) estimates the genetic difference in a standard AUS-MEAT carcass weight at an age of 750 days. This is an AGBU adjusted Days of Age value that allows animals to be compared on a "level playing field". More positive EBVs indicate heavier carcass at a given age.
- Eye Muscle Area EBV (cm2) estimates genetic differences in eye muscle area at the 12/13th rib site of a 400kg carcass. Measurements taken at other quartering sites such as the 4th/5th rib or the 10th/11th rib are adjusted to the 12th/13th measurement. AUS-MEAT assessed and Japanese digital image camera measured Eye Muscle Areas of carcass contribute to this EBV. More positive EBVs indicate larger eye muscle area and therefore higher retail beef yields.
- Rib Fat EBV (mm) estimates the genetic differences in fat depth at the 12/13th rib in a 400kg dressed carcass. More positive EBVs indicate more subcutaneous fat and earlier maturity. AUS-MEAT Rib Fat measurements from slaughter animals contribute to this EBV.
- Rump Fat EBV (mm) estimates the genetic differences in fat depth at the P8 site of a 400kg carcass. AUS- MEAT measurements of P8 fat depth on carcass contribute to this EBV. More positive EBVs indicate more subcutaneous fat and earlier maturity.
- Retail Beef Yield Percent EBV (%) This represents total (boned out) meat yield as a percentage of a 400kg dressed carcass. A more positive EBV indicates higher percentage yield for the 400kg carcass weight.
- Marble Score EBV (AUS-MEAT Marble Score) estimates the genetic differences in Marble Score in a 400kg carcass. AUS-MEAT marble scores and Japanese digital image camera measured marbling percentage in carcass contribute to this EBV. A higher value indicates that the animal has genes which produce higher marbling scores in the carcass.
- Marble Fineness EBV (Marbling Fineness Index) is an estimate of the genetic difference in the Marbling Fineness Index (degree of fineness of marbling fat) as measured by the Japanese digital image camera. Sires with higher EBVs are expected to produce progeny with higher levels of marbling fineness.

Note – The Estimated Breeding Values for Marble Score and Marbling Fineness were calculated by the Animal Genetics and Breeding Unit (AGBU) from measurements taken on carcass as part of the Wagyu Genetics Collaboration Research Project by staff skilled in the use of the Japanese digital camera. The carcass data analyzed by AGBU was predominantly from Fullblood feeders but also included crossbred animals ranging from F1 to Purebred. Dams were not identified for some progeny.

SELECTION INDEX

• Fullblood Terminal Index: Estimates the genetic differences between animals in net profitability per cow bred for an example commercial Wagyu herd in a temperate environment targeting fullblood steer production. Steers enter the feedlot at 425 kg and are subsequently feed for 450 days. They are slaughtered at 750 kg live weight (450 kg HSCW) at 30 months of age. A significant premium in placed on marbling performance. This is a self-replacing herd therefore daughters are retained for breeding.

BREED AVERAGE

For benchmarking, the average Wagyu BREEDPLAN EBVs for the 2015 calves are tabled below.

	Gestation Length (days)	Birth Wt. (kg)	200 Day Wt. (kg)	400 Day Wt. (kg)	600 Day Wt. (kg)	Mat. Cow Wt. (kg)	Milk (kg)	Scrotal Size (cm)	Carcass Wt. (kg)	Eye Muscle Area (sq. cm)	Rib Fat (mm)	Rump Fat (mm)	Marble Score (%)	Marble Fineness (%)	Fullblood Feedlot Index
EBV	+0.1	+1.0	+10	+15	+19	+21	+1	+0.1	+12	+0.7	+0.3	+0.6	+0.0	+0.00	+\$121

DISCLAIMER

The Agricultural Business Research Institute (ABRI) from data supplied by the breeders compiled the WagyuGROUP BREEDPLAN Estimated Breeding Values contained in this Sale Catalog. Neither the Australian Wagyu Association nor the ABRI oversee or audit the collection of this data.

The Australian Wagyu Analysis represents 54,763 dams and 5,407 sires (45% INCREASE in additive parental data since 2014 Production Sale) In addition, there have been 4,711 carcass records analyzed including objective data gathered directly from the Japanese carcass camera.

EXPLAINING INBREEDING COEFFICIENTS (IC)

Inbreeding coefficient: A measure of how close two animals are genetically to each another. The coefficient of inbreeding, symbolized by the letter F, is the probability that an animal with two identical genes received both genes from one ancestor.

Take a first-cousin mating. First cousins share a set of grandparents. For any particular gene in the male, the chance that his female first cousin inherited the same gene from the same source is 1/8. Further, for any gene the man passes to his child, the chance is 1/8 that the woman has the same gene and ½ that she transmits that gene to the child so $1/8 \text{ X} \frac{1}{2} = 1/16$. Thus, a first-cousin marriage has a coefficient of inbreeding F = 1/16.

BROTHER/SISTER:

Here you are going to marry the sire "P" to his sister "M," then doing inbreeding on the great parents "GP1" and "GM1."

	CD1	GGP1		
Р	GM1	GPI	GP1	GGM1
P		GGP2		
		GGM2		
	GP1 GM1	GGP1		
м		GPI	GGM1	
141		GGP2		
		GIVIT	GGM2	

We have two paths with N=3, then: $F = (1/2)^3 + (1/2)^3 = 0.125 + 0.125 = 0.25 ->$ the coefficient of inbreeding is 25%

HALF-BROTHER/HALF-SISTER:

It's a softer way to make inbreeding on a champion (here the common grand father "GP1").

	CD1	GGP1
Р	GP1 GM1	GGM1
P		GGP2
		GGM2
	CD4	GGP1
м	GP1	GGM1
IVI	GM2	GGP4
	GIVIZ	GGM4

We have one path with N=3, then: $F = (1/2)^3 = 0.125 ->$ the coefficient of inbreeding is 12.5%

FATHER/SISTER - MOTHER/SON:

Here we are going to marry the female "M" to her father, a common case when one has got a great champion (it is the same if you marry a great champion female to her son).

	CD1	GGP1
Р	GP1	GGM1
Р	GM1	GGP2
	GIVI	GGM2
	Р	GP1
8.4	Р	GM1
M	GM2	GGP4
	GIVIZ	GGM4

We have one path with N=2, then: $F = (1/2)^2 = 0.25$ -> the coefficient of inbreeding is 25%

UNCLE/NIECE - AUNT/NEPHEW:

	GGP3	GGGP1
Р	GGP3	GGGM1
P	GGM3	GGGP2
	GGIVI3	GGGM2
	GP3	GGP3
8.4	GP3	GGM3
M	GM4	GGP4
	GIVI4	GGM4

We have two paths with N=4, then: $F = (1/2)^4 + (1/2)^4 = (1/2)^3 \rightarrow the$ coefficient of inbreeding is 12.5%

COUSIN/COUSIN:

		CCD4
	GP1	GGP1
Р	GFI	GGM1
P	GM1	GGP2
	GIVI	GGM2
	GP2	GGP1
M	GPZ	GGM1
141	GM2	GGP4
	GIVIZ	GGM4

We have two paths with N=5, then: $F = (1/2)^5 + (1/2)^5 = (1/2)^4 ->$ the coefficient of inbreeding is 6.25%

GENETIC TESTING AND JAPANESE **BLACK CATTLE**

The genetic ability of Wagyu cattle to transmit important economic traits has traditionally been evaluated by the means of selecting potential animals based on pedigree information and estimated capabilities and subjecting them to progeny testing. However, in spite of the high cost and lengthy time spent in this evaluation process, cases are often found where candidate bulls and cows do not possess the genetic ability sufficient for the application.

The purpose of the development of genetic tests relevant to economically important carcase characteristics is not to dispense with progeny testing at this time, as it remains the most accurate means currently available to assess the genetic potential of breeding cattle to pass on advantageous economic characteristics to their offspring, but as a preliminary procedure in the process of selecting breeding cattle or feeder

Simplified, this enzyme converts saturated fatty acids into Monounsaturated Fatty Acids (MUFA). Studies by Kim and Ntambi in 1999 and Yang et al (1999) "reported interesting correlations between SCD enzyme and fatty acid composition." Study by Taniquchi et al in 2004, "showed the MUFA percentage differed significantly among the genotypes (high in AA, medium in VA and low in VV). The melting point was also significantly different between the genotypes (high in VV, medium in VA and low in AA)... The genetic effects on fatty acid composition have been confirmed by subsequent studies (Ohsaki et al, 2009; Ishii et al, 2013; Kelly et al, 2014)."

STEAROYL COA DESATURASE

This test is designed to assist in the selection of cattle that show a genotype that produces a superior fat composition.

Stearoyl CA desaturase (SCD) is the enzyme which changes stearic acid into oleic acid. The fat of cattle is composed of 6 main fatty acids. Within these fatty acids one of the saturated fatty acids is stearic acid. Stearic acid makes deposited fat harder and increases the melting point. Conversely oleic acid makes the fat soft with a low melting point. Olive oil is an example of a product that has abundant oleic acid.

There is an opinion in the Japanese market that the percentage of beef that is "not delicious" has increased recently even though marbling has been abundant. Fat of a high melting point is not as palatable to the Japanese consumer as the low melting point fats that have been traditionally associated with Wagyu beef.

Let us imagine we are cooking a piece of beef loin that has a high melting point fat composition in a frying pan. The fat will melt during the cooking process however when we put it in our mouth and it cools to near our body temperature it will become solid. We may feel we are eating butter containing grains of sand and it certainly will not be delicious. I believe that the common incidence of such higher melting point fat in these days has come from a biased view of marbling. We, the Japanese market, have placed too much emphasis on visible marbling and disregarded the type of fat represented. Fat containing high levels of stearic acid is like wax in appearance when the carcase is in the cool room and so it is easier to assess than the soft fats.

Consumers all over the world are becoming more selective and prefer foods that are good for their health. Japanese Black cattle that have a genotype for a soft fat profile are better tasting and healthier when eaten than cattle that have high melting point fat.

There are several different DNA sequences of the SCD gene in Japanese Black cattle. These are categorized into 2 groups, A & V. Some Japanese Black cattle carry a special mutation that changes the corresponding amino acid from Valine (V) to Alanine (A), which has a significant relationship to the melting point of fat. Alanine type has a lower melting point than valine type.

Therefore the preferred type is AA.

By using the SCD gene we can select the cattle that can deposit a soft and oleic acid rich fat that is delicious and healthy.

At this time no gene tests should be used as the single selection criteria that a cattle farmer would use. Rather they should be seen as part of the selection process when choosing cattle for breeding. Cattle that show preferred genotypes for both GH Exon 5 and SCD provide the most likely animals to improve a cattle herds performance BUT ONLY if all other factors are satisfactory.

Dr. Tadayoshi Mitsuhashi

Dept. of Physiology & Genetic Regulation **National Institute of Agrobiological Sciences** Tsukuba, Ibaraki-ken, Japan

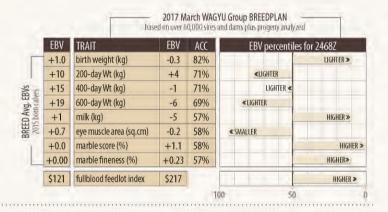
LMR AKAHIGE 8119U



		base			/U Group BREEDPLAN and dams plus progeny and	alyzed
	EBV	TRAIT	EBV	ACC	EBV percent	iles for 8119U
	+1.0	birth weight (kg)	+1.6	85%	«HEAVIER	
	+10	200-day Wt (kg)	+16	75%		HEAVIER »
3/5	+15	400-day Wt (kg)	+19	74%		HEAVIER>
raly al	+19	600-day Wt (kg)	+29	72%		HEAVIER »
BREED Avg. EBVs 2015 born calves	+1	milk (kg)	+9	59%		HIGHER >
BRE	+0.7	eye muscle area (sq.cm)	-2.5	63%	«SMALLER	
	+0.0	marble score (%)	+0.7	67%		HIGHER»
L	+0.00	marbling fineness (%)	+0.37	63%		HIGHER >>
	\$121	fullblood feedlot index	\$241			HIGHER»

LMR AOICHI 2468Z

carrie	er status F	ree	scd - V	scd - VA ten - 8						
			sire ITO	SHIGENA	M	SHIGESHIGENAMI 10632 FUKUYUKI				
	da	m LMR I	MS MICH	IIFUKU 783	3T		S MICHIFUK KUTSURU 96			
GROUP	TAJIMA	KEDAKA	TOTTORI	ITOZAKURA	SHIMANE	OKAYAMA	HIROSHIMA	OTHER		
В	83%	2%	1%	12%	0%	0%	0%	1%		



LMR DAISUKE 2470Z

carrie	er status F	ree	scd - A	AA	ten	-6		
	1	sire WOR	LD K'S K	ITAGUNI J	R.	ITAGUNI VORLD K"	7/8 S nakayuk	ı
	da	m LMR M	MS SANJ	IROU 8145	5U		S SANJIROU (AZAKURA (
GROUP	TAJIMA	KEDAKA	TOTTORI	ITOZAKURA	SHIMANE	OKAYAMA	HIROSHIMA	OTHER
C	45%	7%	1%	26%	11%	7%	1%	3%

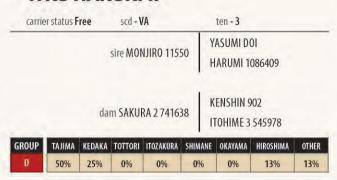
	EBV	TRAIT	EBV	ACC	EBV percentile	s for 2470Z
	+1.0	birth weight (kg)	-1.2	81%	« HEAVIER	
	+10	200-day Wt (kg)	-5	73%	«LIGHTER	
2 5	+15	400-day Wt (kg)	-3	72%	«LIGHTER	
	+19	600-day Wt (kg)	-8	69%	«LIGHTER	
Sport	+1	milk (kg)	-7	54%	«LOWER	
501	+0.7	eye muscle area (sq.cm)	+2.8	54%		LARGER>
	+0.0	marble score (%)	+0.9	50%		HIGHER
Ц	+0.00	marble fineness (%)	+0.08	47%	«LOWER	
	\$121	fullblood feedlot index	\$151			> HIGHER

JVP FUKUTSURU J068

carrie	er status F	11	scd - A	NA.	ten	1-3			
	sire	e DAI 2 Y	ASUTSU	RU DOI J7	74		OI J10328 - U J978542	KURO IKU	
		dam	TERUYA	SU J6496	53	KIKUTERU DOI J10787 - KURO IN YASUTSURU J509605			
GROUP	TAJIMA	KEDAKA	TOTTORI	ITOZAKURA	SHIMANE	OKAYAMA	HIROSHIMA	OTHER	
В	100%	0%	0%	0%	0%	0%	0%	0%	

		base	2017 Ma ed on over 6	arch WAG 0,000 sire:	GYU Group BREEDPLAN – s and dams plus progeny analyzed	
	EBV	TRAIT	EBV	ACC	EBV percentiles	for J068
	+1.0	birth weight (kg)	-3.1	97%		LIGHTER »
	+10	200-day Wt (kg)	-8	96%	«LIGHTER	
SVS	+15	400-day Wt (kg)	-11	96%	«LIGHTER	
g. EF	+19	600-day Wt (kg)	-22	95%	«LIGHTER	
BREED Avg. EBVs 2015 born calves	+1	milk (kg)	+9	92%		HIGHER»
3REE	+0.7	eye muscle area (sq.cm)	+0.7	92%	SMALLER «	
	+0.0	marble score (%)	+0.3	95%	LOWER «	
L	+0.00	marble fineness (%)	+0.24	91%		HIGHER»
	\$121	fullblood feedlot index	\$19		« LOWER	
					100 50	(

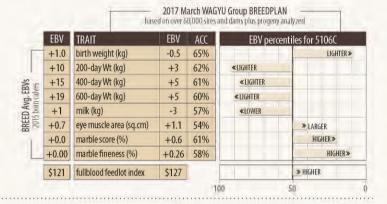
WKS HARUKI II



	EBV	TRAIT	EBV	ACC	EBV percentile	es for HARUKI 2
П	+1.0	birth weight (kg)	-0.7	97%		HEAVIER>
	+10	200-day Wt (kg)	+14	96%		HEAVIER»
1	+15	400-day Wt (kg)	+29	97%		HEAVIER*
2015 born calves	+19	600-day Wt (kg)	+39	96%		HEAVIER
Pog	+1	milk (kg)	+6	93%		HIGHER>
100	+0.7	eye muscle area (sq.cm)	+3.1	88%		LARGER*
1	+0.0	marble score (%)	-0.5	85%	« LOWER	
Ш	+0.00	marble fineness (%)	-0.15	77%	« LOWER	
	\$121	fullblood feedlot index	\$33		« LOWER	

LMR HARUKICHI 5106C

carrie	er status F	ree	scd - A	NA.	ten	-7			
	9	sire KITA	TERUYAS	SUDOI J28°	10	ERUNAG <i>I</i> OSHIMI3	ADOI		
	dam	LMR MS	SHIGESI	HIGETANIS	92	WORLD K'S SHIGESHIGETANI BR MS MICHI-8614 2660			
GROUP	TAJIMA	KEDAKA	TOTTORI	ITOZAKURA	SHIMANE	OKAYAMA	HIROSHIMA	OTHER	
D	85%	6%	1%	0%	0%	2%	2%	4%	



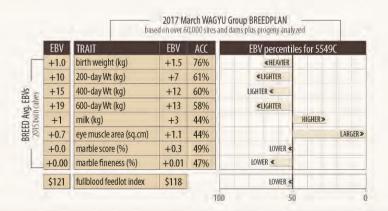
LMR HARUKIRO 5340C

carrie	er status F	ree	scd - A	AA	ten	-9		
	S	ire KITA	TERUYAS	SUDOI J28	10	TERUNAGADOI YOSHIMI3		
	dam	LMR MS	ITOMIC	HI-4632 80	03	R ITOMIC AR R 5P	HI/0602 46	32
GROUP	TAJIMA	KEDAKA	TOTTORI	ITOZAKURA	SHIMANE	OKAYAMA	HIROSHIMA	OTHER
D	89%	2%	1%	4%	1%	2%	1%	1%

	EBV	TRAIT	EBV	ACC	EBV percentile	es for 5340C
	+1.0	birth weight (kg)	-0.9	78%		LIGHTER>
	+10	200-day Wt (kg)	-2	72%	«LIGHTER	
68	+15	400-day Wt (kg)	+0	67%	«LIGHTER	
realy	+19	600-day Wt (kg)	-3	67%	«LIGHTER	
Poli	+1	milk (kg)	-3	59%	«LOWER	
2015 born calves	+0.7	eye muscle area (sq.cm)	+2.9	54%		LARGER≫
	+0.0	marble score (%)	+1.0	63%		HIGHER »
	+0.00	marble fineness (%)	+0.34	60%		HIGHER >
	\$121	fullblood feedlot index	\$190			HIGHER>

LMR HAYAO 5549C

carrie	r status F	ree	scd - /	AA.		ten - 10		
		-20	LIMBY	ENICH OO	, V	VORLD K'	S MICHIFUK	.U
		SII	e LMK K	ENICHI 80	/1 V	VORLD K	S NAKAZAK	URA
	da	m LMR	MS ITOH	ANA 9264	W	F ITOHAN MR MS F	A2 JKUTSURU	609S
GROUP	TAJIMA	KEDAKA	TOTTORI	ITOZAKURA	SHIMANE	OKAYAMA	HIROSHIMA	OTHER
C	42%	2%	1%	40%	7%	1%	3%	5%



HIRASHIGETAYASU ETJOO1

carrie	r status F	ree	scd - A	AA .	te	en - 4		
		sire DA	AI 20 HIR	ASHIGE 28	87	EDAKA 72 DAI 13 HIR		
		da	am DAI 5	YURUHIN	AE	AYASUHU 'URIKO 79		
GROUP	TAJIMA	KEDAKA	TOTTORI	ITOZAKURA	SHIMANE	OKAYAMA	HIROSHIMA	OTHER
C	25%	38%	13%	0%	0%	25%	0%	0%

	EBV	TRAIT	EBV	ACC	FBV percen	tiles for ETJ001	
	+1.0	birth weight (kg)	+5.1	99%	«HEAVIER		
	+10	200-day Wt (kg)	+27	98%			HEAVIER »
SVS	+15	400-day Wt (kg)	+40	98%			HEAVIER»
g. EB	+19	600-day Wt (kg)	+51	98%			HEAVIER >
BREED Avg. EBVs 2015 born calves	+1	milk (kg)	+8	98%			HIGHER»
BREE	+0.7	eye muscle area (sq.cm)	-1.3	96%	«SMALLER		
1	+0.0	marble score (%)	-0.3	77%	«LOWER		
	+0.00	marble fineness (%)	+0.19	89%		» HIGHER	
	\$121	fullblood feedlot index	\$133			» HIGHER	

WW HIRASHIGETAYASU Z278

carrier status Free scd - AA DAI 20 HIRASHIGE 287 sire HIRASHIGETAYASU J2351 DAI 5 YURUHIME KITATERUYASUDOI J2810 dam WESTHOLME OHYURIHIME X106 WESTHOLME MORITAKE U38 GROUP TAJIMA KEDAKA TOTTORI ITOZAKURA SHIMANE OKAYAMA HIROSHIMA OTHER

	EBV	TRAIT	EBV	ACC	EBV perce	ntiles for z278
	+1.0	birth weight (kg)	+4.7	96%	«HEAVIER	
	+10	200-day Wt (kg)	+21	96%		HEAVIER
3/5	+15	400-day Wt (kg)	+36	96%		HEAVIER
BREED Avg. EBVs 2015 born calves	+19	600-day Wt (kg)	+44	96%		HEAVIER
Spor	+1	milk (kg)	+8	95%		HIGHEI
201	+0.7	eye muscle area (sq.cm)	+1.2	85%		≫ LARGER
1	+0.0	marble score (%)	-0.3	77%	« LOWER	
L	+0.00	marble fineness (%)	+0.06	71%	LOWER ≪	
	\$121	fullblood feedlot index	\$62		« LOWER	

LMR HIRO 0195X

carrie	er status F	ree	scd - V	/A	ten	-7		
		sire W	/ORLD K	'S HARUKI	11	MONJIRO AKURA 2		
		dam E	BR MS SA	NJIRO 06	56	VORLD K": MISS BAR	S SANJIROU R 301H	
GROUP	TAJIMA	KEDAKA	TOTTORI	ITOZAKURA	SHIMANE	OKAYAMA	HIROSHIMA	OTHER
D	72%	12%	0%	2%	0%	2%	6%	6%

		base	ed on over 6	0,000 sires ar	U Group BREEDPLAN and darms plus progeny ar	ialyzed
	EBV	TRAIT	EBV	ACC	EBV percentiles for	or Itomoritaka ETJ002
	+1.0	birth weight (kg)	+0.2	84%		LIGHTER»
	+10	200-day Wt (kg)	+6	79%	«LIGHTER	
3/5	+15	400-day Wt (kg)	+16	79%		➤ HEAVIER
g. El	+19	600-day Wt (kg)	+23	75%		> HEAVIER
DAN	+1	milk (kg)	-2	60%	«LOWER	
BREED Avg. EBVs 2015 born calves	+0.7	eye muscle area (sq.cm)	+4.0	66%		LARGER >>
	+0.0	marble score	+0.7	70%		HIGHER»
	+0.00	IMF (%)	+0.11	67%		> HIGHER
	\$121	fullblood feedlot index	\$244			HIGHER»
				10	0	50

LMR HIROSHI 766T

carrie	er status F	ree	scd - A	NA.				
	21.7	DDTAK	4.7.4.V.IID	1 0000 20		R TAKAZ <i>I</i>	KURA 060	5
	sire	BK IAK	AZAKUK,	A 0606 36	12 B	R MS SAN	IJIRO 0656	
	dam	BR MS I	TOMICH	I-0602 26	54	R ITOMIC R MS SAN	HI 0602 IJIRO 0630	
GROUP	TAJIMA	KEDAKA	TOTTORI	ITOZAKURA	SHIMANE	OKAYAMA	HIROSHIMA	OTHER
D	68%	4%	2%	7%	2%	7%	4%	6%

EBV	TRAIT	EBV	ACC	EBV perce	entiles for 766T
+1.0	birth weight (kg)	+1.8	85%	« HEAVIER	
+10	200-day Wt (kg)	+11	74%		HEAVIER»
+15	400-day Wt (kg)	+17	75%		> HEAVIER
+19	600-day Wt (kg)	+27	71%		HEAVIER >>
+1	milk (kg)	-6	54%	«LOWER	
+0.7	eye muscle area (sq.cm)	+1.6	50%		LARGER>
+0.0	marble score (%)	+0.1	54%	«LOWER	
+0.00	marble fineness (%)	-0.02	51%	«LOWER	
\$121	fullblood feedlot index	\$89		LOWER «	

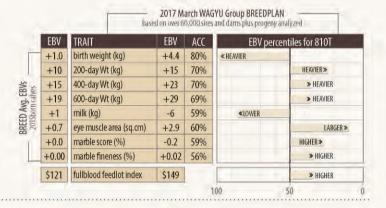
LMR HIROYUKI 3492A

carrier status Free scd - AA ten - 4 WORLD K'S YASUFUKU JR sire BAR RYASAFUKU 42K MISS BARR 361H WORLD K'S MICHIFUKU dam LMR MS MICHIFUKU 783T **BR MS FUKUTSURU 9671** GROUP TAJIMA KEDAKA TOTTORI ITOZAKURA SHIMANE OKAYAMA HIROSHIMA OTHER 89% 1%

EB\	TRAIT	EBV	ACC	EBV percenti	les for 3492A
+1.	birth weight (kg)	-1.1	55%		LIGHTER>
+10	200-day Wt (kg)	+0	50%	«LIGHTER	
£ = +1	400-day Wt (kg)	-2	50%	«LIGHTER	
2015 born calves +10 +10 +10 +10 +10 +10 +10 +10 +10 +10	600-day Wt (kg)	-6	49%	«LIGHTER	
+1	milk (kg)	-4	44%	«LOWER	
₩ +0.	eye muscle area (sq.cm)	+2.5	43%		LARGER »
+0.	marble score (%)	+0.5	57%		HIGHER>
	0 marble fineness (%)	+0.17	56%		>> HIGHER

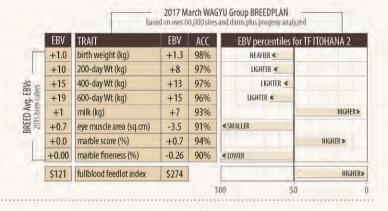
LMR ICHIBAN 810T

scd - VA carrier status Free MONJIRO 11550 sire WORLD K'S MICHIFUKU MICHIKO 655635 ITOMICHI dam WORLD K'S NAKAZAKURA WORLD K'S NAKAGISHI 5 TAJIMA KEDAKA TOTTORI ITOZAKURA SHIMANE GROUP OKAYAMA HIROSHIMA OTHER 6%



TF ITOHANA 2

carrier status F11 scd - VV ten-6 DAI 7 ITOZAKURA sire ITOHANA YOSHIFUKUHANA **ITOMICHI** dam AINO 6 AINO 5 TAJIMA KEDAKA TOTTORI ITOZAKURA SHIMANE OKAYAMA GROUP HIROSHIMA OTHER 0% 0%



BR ITOMICHI 0602

carrier status Free ITOMICHI J1158 sire TF ITOMICHI 1-2 DAI 2 KINTOU J337756 KIKUYASU 400 dam JVP KIKU SHIGE 5298E KIKUHANA J93298 TAJIMA KEDAKA TOTTORI ITOZAKURA SHIMANE OKAYAMA HIROSHIMA OTHER 40% 25% 3%



TF ITOMICHI 1-2

carrie	r status F	ree	scd - \	/V	te	n - 6		
			Si	re ITOMIC	HI	AI 7 ITOZ OMISAK <i>A</i>		
			dam D	AI 2 KINTO)U	AI 3 KIYO ZOKINTO		
GROUP	TAJIMA	KEDAKA	TOTTORI	ITOZAKURA	SHIMANE	OKAYAMA	HIROSHIMA	OTHER
C	0%	0%	0%	50%	13%	6%	13%	0%

kg) g) g) q)	+2.0 +12 +18	96% 95% 95%		KHEAVIER	HEAVIER»	
g)	+18	10 61101				
J.	100	95%			> HEAVIER	
(a)	: 20				- HE WIEL	
31	+26	94%			HEAVIER >>	
	+13	93%				HIGHER
ea (sq.cm)	-10.3	88%	«SMALLE	R		
%)	+0.4	92%			» HIGHER	
ss (%)	+0.07	88%		LOWER «		
	%)	-10.3 %) +0.4 ss (%) +0.07	a (sq.cm) -10.3 88% %) +0.4 92% ss (%) +0.07 88%	a (sq.cm) -10.3 88% «SMALLE %) +0.4 92% ss (%) +0.07 88%	a (sq.cm) -10.3 88% «SMALLER %) +0.4 92% LOWER «	a (sq.cm) -10.3 88% ≪SMALLER → HIGHER %) +0.4 92%

ITOMORITAKA ETJ002

carrie	er status C	HS+	scd - V	A	te	n - 4		
			sire ITO	HIRASHIO	GE	TOKITATSI IIRASHIGI	URU EKIYOSHI	
da	am DAI 6	0EFUJII	J565554	-KURO KO)H	EDAKAFU OE	ונו	
da GROUP	am DAI 6	OEFUJII KEDAKA		-KURO KO)H 0	2200000	HIROSHIMA	OTHER

	EBV	TRAIT	EBV	ACC	EBV percentile	es for ETJ002
	+1.0	birth weight (kg)	+3.7	98%	« HEAVIER	
	+10	200-day Wt (kg)	+20	98%		HEAVIER>
31/5	+15	400-day Wt (kg)	+34	98%		HEAVIER>
BREED Avg. EBVs 2015 born calves	+19	600-day Wt (kg)	+47	98%		HEAVIER >
5 born	+1	milk (kg)	+16	98%		HIGHER
BRE 201	+0.7	eye muscle area (sq.cm)	+5.1	92%		LARGER >
	+0.0	marble score (%)	-0.5	88%	« LOWER	
	+0.00	marble fineness (%)	+0.31	76%		HIGHER»
	\$121	fullblood feedlot index	-\$44		«LOWER	
					100 50	1

LMR ITOMORITAKA 2015Z

		sire	ITOMOR	ITAKA J270	13	TOHIRASH AI 6 OEFL	HIGE JJII J565554	4-KURO KO
	da	m LMR I	MS MICH	95		S MICHIFUK (AZAKURA (
GROUP	TAJIMA	KEDAKA	TOTTORI	ITOZAKURA	SHIMANE	OKAYAMA	HIROSHIMA	OTHER

	EBV	TRAIT	EBV	ACC	EBV percenti	les for 2015Z
	+1.0	birth weight (kg)	+1.7	67%	«HEAVIER	
	+10	200-day Wt (kg)	+13	63%		HEAVIER»
375	+15	400-day Wt (kg)	+21	62%		HEAVIER»
g. El	+19	600-day Wt (kg)	+28	62%		HEAVIER»
DA	+1	milk (kg)	+3	59%		HIGHER>
BREED Avg. EBVs 2015 born calves	+0.7	eye muscle area (sq.cm)	+3.6	55%		LARGE
1	+0.0	marble score (%)	+0.2	55%	LOWER «	
L	+0.00	marble fineness (%)	+0.31	49%		HIGHE
	\$121	fullblood feedlot index	\$92		LOWER «	
				100	5	0

ITOSHIGENAMI TF148

		sire SHIG	ESHIGE	NAMI 106	32	SHIGEKANENAMI SHIGEMITSU		
			dan	n FUKUYU	KI	UKUMAS. UKIZAKU		
GROUP	TAJIMA	KEDAKA	TOTTORI	ITOZAKURA	SHIMANE	OKAYAMA	HIROSHIMA	OTHER
В	100%	0%	0%	0%	0%	0%	0%	0%

	EBV	TRAIT	EBV	ACC	EBV percentiles	for TF148
	+1.0	birth weight (kg)	-1.0	99%		LIGHTER»
	+10	200-day Wt (kg)	+3	98%	«LIGHTER	
3Vs	+15	400-day Wt (kg)	-1	98%	«LIGHTER	
BREED Avg. EBVs 2015 born calves	+19	600-day Wt (kg)	-8	98%	«LIGHTER	
D AN	+1	milk (kg)	-8	98%	«LOWER	
BRE	+0.7	eye muscle area (sq.cm)	-1.3	97%	«SMALLER	
1	+0.0	marble score (%)	+1.7	97%		HIGHER®
L	+0.00	marble fineness (%)	+0.24	95%		HIGHER»
	\$121	fullblood feedlot index	\$348			HIGHER
					100 50	0

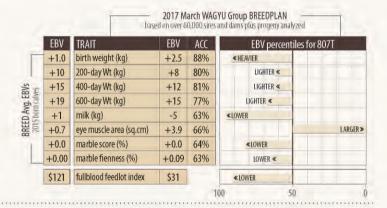
LMR KATSURU 4278B





LMR KENICHI 807T

carrie	er status F	ree	scd - V	/A	ten	- 10		
		ciro MO	יא חום	MICHIFUK	(I) N	MONJIRO	11550	
		Sile WO	ערט ע ט	MICHIFOR		NICHIKO 6	555635	
	da	m WORL	.D K'S NA	AKAZAKUF	RA	TOMICHI VORLD K'	S NAKAGISI	115
GROUP	TAJIMA	KEDAKA	TOTTORI	ITOZAKURA	SHIMANE	OKAYAMA	HIROSHIMA	OTHER
C	51%	2%	2%	26%	9%	2%	2%	6%



KIMIFUKU TF 726

			sire	KIMIFUKU	3	ANIFUKU UKIFUKU	DOI J1606	
			dam Cl	HIYOTAKE	10	TOMICHI . B645	J1158	
GROUP	TAJIMA	KEDAKA	TOTTORI	ITOZAKURA	SHIMANE	OKAYAMA	HIROSHIMA	OTHER
C	56%	0%	0%	30%	12%	2%	0%	0%

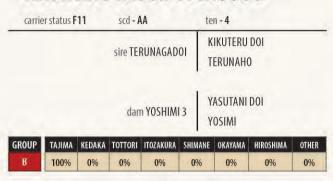
	EBV	TRAIT	EBV	ACC	EBV percentiles	for 726
	+1.0	birth weight (kg)	+1.3	81%	HEAVIER «	
	+10	200-day Wt (kg)	+7	71%	≪LIGHTER	
ES .	+15	400-day Wt (kg)	+14	72%	LIGHTER «	
2015 born calves	+19	600-day Wt (kg)	+9	71%	«LIGHTER	
Spor	+1	milk (kg)	+5	41%		HIGHER»
201	+0.7	eye muscle area (sq.cm)	-1.7	39%	≪SMALLER	
1	+0.0	marble score (%)	+0.0	36%	<lower< td=""><td></td></lower<>	
L	+0.00	marble fineness (%)	-0.04	35%	«LOWER	
	\$121	fullblood feedlot index	\$48		«LOWER	
				100	50	

WKS KITAGUNI JR

carrie	er status F	ree	scd - N	/A				
			-t V	ITA CUMU 7	/O D	AI 7 ITOZ	AKURA	
			sire K	ITAGUNI 7	/8 K	KITAGUNI 7		
		dam W	ORLD K'	RLD K'S NAKAYUKI			KOUFUKU NAKAHANA 3	
GROUP	TAJIMA	KEDAKA	TOTTORI	ITOZAKURA	SHIMANE	OKAYAMA	HIROSHIMA	OTHER
C	38%	13%	25%	13%	13%	0%	0%	0%

	EBV	TRAIT	EBV	ACC	EBV percentiles	for KITAGUNI JR
	+1.0	birth weight (kg)	-3.0	96%		LIGHTER»
	+10	200-day Wt (kg)	-13	93%	«LIGHTER	
S/S	+15	400-day Wt (kg)	-20	93%	« LIGHTER	
g.E	+19	600-day Wt (kg)	-31	90%	«LIGHTER	
DA	+1	milk (kg)	-6	89%	«LOWER	
BREED Avg. EBVs 2015 boin calves	+0.7	eye muscle area (sq.cm)	-1.1	82%	«SMALLER	
1	+0.0	marble score (%)	+1.4	75%		HIGHER
L	+0.00	marble fineness (%)	+0.13	68%		> HIGHER
	\$121	fullblood feedlot index	\$169			HIGHER»

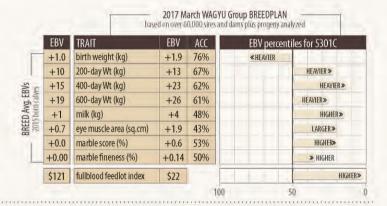
KITATERUYASUDOI ETJ003



	-			_	YU Group BREEDPLAN and dams plus progeny an	_	
	EBV	TRAIT	EBV	ACC	EBV percent	tiles for ETJ00	3
	+1.0	birth weight (kg)	-1.6	99%			LIGHTER»
	+10	200-day Wt (kg)	+0	99%	«LIGHTER		
31/5	+15	400-day Wt (kg)	-2	99%	«LIGHTER		
g.E	+19	600-day Wt (kg)	-4	98%	«LIGHTER		
DAN	+1	milk (kg)	-1	98%	«LOWER		
BREED Avg. EBVs 2015 born calves	+0.7	eye muscle area (sq.cm)	+1.7	97%		LARGER»	
1	+0.0	marble score (%)	+1.1	95%			HIGHER»
	+0.00	marble fineness (%)	+0.50	91%			HIGHER»
	\$121	fullblood feedlot index	\$205			HI	GHER»

LMR KUROSAWA 5301C

carrie	er status F	ree	scd - A	IA.	ten	-7		
		sire	BAR R S	ANJIROU 4	4P	WORLD K'S SANJIROU BAR R MISS FUKUTSURU 47		
	dam L	MR MS	TOSHIRC	1/3 9243	W	MR TOSH R MS KIK	IRO 1/3 UHANA 861	0
GROUP	TAJIMA	KEDAKA	TOTTORI	ITOZAKURA	SHIMANE	OKAYAMA	HIROSHIMA	OTHER
D	62%	4%	0%	28%	3%	2%	0%	1%



LMR MASAHIKO 1250Y

carrie	er status F	ree	scd - A	NA.	ten	-5		
	S	ire WOR	LD K'S YA	ASUFUKU.	JR	ASUFUKU ANEKO 5	930	
	dam	LMR MS	S ITOMIC	HI 4632 80	06	R ITOMIC AR R 5P	HI/0602 46	32
GROUP	TAJIMA	KEDAKA	TOTTORI	ITOZAKURA	SHIMANE	OKAYAMA	HIROSHIMA	OTHER
C	83%	2%	1%	4%	1%	2%	1%	7%

	EDV				nd dams plus progeny analyzed	20000
	EBV	TRAIT	EBV	ACC	EBV percentiles f	or 1250Y
	+1.0	birth weight (kg)	-0.2	87%		LIGHTER»
	+10	200-day Wt (kg)	-2	78%	«LIGHTER	
SAS SAS	+15	400-day Wt (kg)	+2	75%	«LIGHTER	
g. El	+19	600-day Wt (kg)	+0	72%	«LIGHTER	
BREED Avg. EBVs 2015 born calves	+1	milk (kg)	-5	53%	«LOWER	
BRE	+0.7	eye muscle area (sq.cm)	+3.8	52%		LARGER>
1	+0.0	marble score (%)	+0.3	61%	LOWER «	
	+0.00	marble fineness (%)	+0.02	59%	LOWER «	
	\$121	fullblood feedlot index	\$51		«LOWER	
				16	00 50	

WKS MICHIFUKU

carrie	er status F	ree	scd - I	AA.	ten	-5		
			sire MONJIRO 11550			ASUMI D	01	
			SHE MUI	אונע דוס.	H	ARUMI 1	086409	
		d	am MICI	HIKO 6556	35	ANISHIGE NICHIFUK	1526 U 494290	
GROUP	TAJIMA	KEDAKA	TOTTORI	ITOZAKURA	SHIMANE	OKAYAMA	HIROSHIMA	OTHER
В	100%	0%	0%	0%	0%	0%	0%	0%

	EBV	TRAIT	EBV	ACC	s and dams plus progeny FBV percent	iles for MICHIFUKU
	+1.0	birth weight (kg)	+0.7	98%		» LIGHTER
	+10	200-day Wt (kg)	+3	98%	«LIGHTER	
3/5	+15	400-day Wt (kg)	+1	98%	«LIGHTER	
BREED Avg. EBVs 2015 boin calves	+19	600-day Wt (kg)	-1	98%	«LIGHTER	
DAV	+1	milk (kg)	-13	98%	«LOWER	
201	+0.7	eye muscle area (sq.cm)	+7.5	97%		LARGER :
1	+0.0	marble score (%)	+1.3	97%		HIGHER>
	+0.00	marble fineness (%)	+0.47	95%		HIGHER
	\$121	fullblood feedlot index	\$248			HIGHER®
				11	100	50

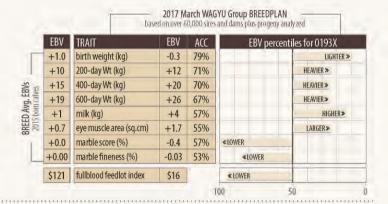
WKS-LMR MICHIFUKU 3500A





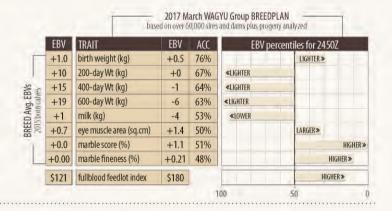
LMR MICHIRO 0193X

carrie	er status F	ree	scd - V	/A	ten	- 5		
		sire W	ORLD K	'S HARUKI	11	ONJIRO 1		
					5	AKURA 2	741638	
	dam	BR MS I	TOMICH	1/0602 36	55	R ITOMIC R MS MIC	HI 0602 CHIFUKU 16	05
	TAJIMA	KEDAKA	TOTTORI	ITOZAKURA	SHIMANE	OKAYAMA	HIROSHIMA	OTHER
GROUP								



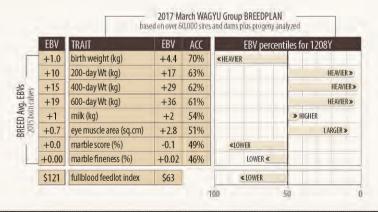
LMR MITSURU 2450Z

carrie	er status F	ree	scd - /	AA	ten	-4		
		iro WOR	ו ח איכ א	ITAGUNI J	RK	ITAGUNI	7/8	
		one won	וו כ או טבוי	IIIAGONI		ORLD K	S NAKAYUK	I
	dam	LMR MS	MICHIF	UKU 9231	W		S MICHIFUK JKUTSURU	
GROUP	TAJIMA	KEDAKA	TOTTORI	ITOZAKURA	SHIMANE	OKAYAMA	HIROSHIMA	OTHER
D	60%	7%	0%	19%	7%	6%	0%	0%



LMR NOBU 1208Y

carrie	er status F	ree						
sire \	WESTHOL	.ME HIR.	ASHIGET	AYASU Z2	78		ETAYASU J2 ME OHYURI	
	C	lam LMF	MS SAN	IJIROU 76	7T		S SANJIROU S NAKAZAK	
GROUP	TAJIMA	KEDAKA	TOTTORI	ITOZAKURA	SHIMANE	OKAYAMA	HIROSHIMA	OTHER
C	48%	13%	6%	15%	5%	8%	1%	4%



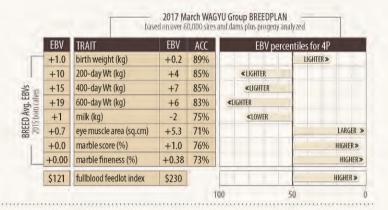
WKS SANJIROU



1	EBV	TRAIT	EBV	ACC	EBV percentil	es for SANJIROU
F	+1.0	birth weight (kg)	+0.4	93%		LIGHTER»
	+10	200-day Wt (kg)	-1	91%	« LIGHTER	
3/5	+15	400-day Wt (kg)	-1	93%	« LIGHTER	
BREED Avg. EBVs 2015 born calves	+19	600-day Wt (kg)	-3	92%	«LIGHTER	
S bon	+1	milk (kg)	-14	84%	«LOWER	
BREE	+0.7	eye muscle area (sq.cm)	+9.5	94%		LARGER
1	+0.0	marble score (%)	+0.8	96%		HIGHER»
	+0.00	marble fineness (%)	+0.09	95%	«LOWE	R
	\$121	fullblood feedlot index	\$115		LOWER	«
				9	00	50

BAR R SANJIRO 4P

carrie	er status F	ree	scd - A	A	ten	-7		
		-10-14	IODI D IV	CCANUDO	VI V	VORLD K'	S MICHIFUK	Ü
		sire w	OKLD K	S SANJIRO	00 W	VORLD K'	S SUZUTANI	ĺ
	dam I	BAR R M	ISS FUKL	JTSURU 47	7K	UKUTSUR 11SS BAR		
GROUP	TAJIMA	KEDAKA	TOTTORI	ITOZAKURA	SHIMANE	OKAYAMA	HIROSHIMA	OTHER
В	97%	0%	0%	2%	0%	2%	0%	0%



LMR SENSEI 817T

carrie	er status F	ree	scd - V	/A	ten	-5		
			sire l'	TOZURU D	01	TOKITATS ASUHIME		
				dam CF 50	33	TOSHIGEN IIKOKUR <i>a</i>		
GROUP	TAJIMA	KEDAKA	TOTTORI	ITOZAKURA	SHIMANE	OKAYAMA	HIROSHIMA	OTHER
C	50%	12%	0%	31%	6%	0%	0%	0%

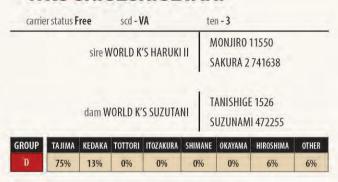
	EBV	TRAIT	EBV	ACC	EBV percer	ntiles for 817T
	+1.0	birth weight (kg)	+0.2	81%		LIGHTER >>
	+10	200-day Wt (kg)	+3	76%	«LIGHTER	
6	+15	400-day Wt (kg)	+6	76%	«LIGHTER	
) calv	+19	600-day Wt (kg)	+9	72%	«LIGHTER	
Spot	+1	milk (kg)	+5	63%		HIGHER »
2015 born calves	+0.7	eye muscle area (sq.cm)	-0.9	61%	«SMALLER	
	+0.0	marble score (%)	+0.7	58%		HIGHER >>
	+0.00	marble fineness (%)	+0.35	56%		HIGHER
	\$121	fullblood feedlot index	\$164			HIGHER >>

LMR SHICHIRO 2403Z

carrie	er status F	ree	scd - I	AA.	ten	-3				
	20.23	MODID	We citie	FCILICETA	W V	WORLD K'S HARUKI 2				
	Sire	WUKLD	K 3 SHIG	ESHIGETA	NI V	WORLD K'S SUZUTANI				
	dam I	LMR MS	KITAGUI	NI JR 9375	W		S KITAGUNI CHI-8614 26	700		
GROUP	TAJIMA	KEDAKA	TOTTORI	ITOZAKURA	SHIMANE	OKAYAMA	HIROSHIMA	OTHER		
D	63%	12%	1%	6%	3%	5%	4%	5%		

	+1.0	birth weight (kg)	-0.5			iles for 2403Z
	+10		-0.5	81%		LIGHTER»
	110	200-day Wt (kg)	+1	72%	«LIGHTER	
98	+15	400-day Wt (kg)	-3	71%	«LIGHTER	
- Cal	+19 600-day Wt (kg) +1 milk (kg)	600-day Wt (kg)	-1	67%	«LIGHTER	
2015 boin calves		milk (kg)	-3	46%	«LOWER	
107	+0.7	eye muscle area (sq.cm)	+0.0	50%	«SMALLER	
	+0.0	marble score (%)	+0.4	47%		» HIGHER
-	+0.00	marble fineness (%)	+0.01	44%	«LOWER	
	\$121	fullblood feedlot index	\$49		«LOWER	

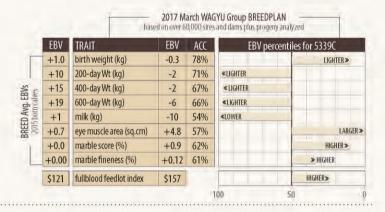
WKS SHIGESHIGETANI



	EBV	TRAIT	EBV	ACC	EBV percentiles for SHIGESHIGET				
	+1.0	birth weight (kg)	-1.6	95%		LIGHTER			
	+10	200-day Wt (kg)	+2	89%	«LIGHTER				
SNS ES	+15	400-day Wt (kg)	+7	89%	«LIGHTER				
n calv	+19	600-day Wt (kg)	+10	84%	«LIGHTER				
BREED Avg. EBVs 2015 born calves	+1	milk (kg)	-1	70%	«LOWER				
BREE	+0.7	eye muscle area (sq.cm)	+1.7	71%		LARGER >>			
	+0.0	marble score (%)	+0.1	72%	«LOWER				
	+0.00	marble fineness (%)	-0.10	68%	«LOWER				
	\$121	fullblood feedlot index	\$55		« LOWER				

LMR SHUNICHI 5339C

carrie	er status F	ree	scd - \	/A	ten	- 10		
		aiva M	ODLD W	S SANJIRO	VI V	VORLD K'	S MICHIFUK	U
		Sire W	UKLUK	2 SANJIKU		VORLD K'	S SUZUTANI	
	dam L	.MR MS	ITOSHIG	ENAMI 92	23	TOSHIGEN R MS WS	IAMI U SHINBEI 1	1805 0
GROUP	TAJIMA	KEDAKA	TOTTORI	ITOZAKURA	SHIMANE	OKAYAMA	HIROSHIMA	OTHER
D	84%	0%	0%	13%	0%	2%	0%	0%



LMR TAISUKE 401B

carrie	er status Fi	ree	scd - A	NA.	te	n - 9		
		sir	e LMR K	OICHI 1409	9Y		S KITAGUNI UFUKU 064	2.002
	dam	LMR MS	S ITOSHI	GEFUJI 018	32	TOSHIGEF R MS YAS	UJI UFUKU 064	5
GROUP	TAJIMA	KEDAKA	TOTTORI	ITOZAKURA	SHIMANE	OKAYAMA	HIROSHIMA	OTHER
C	53%	3%	0%	27%	3%	11%	0%	3%

EBV TRAIT		EBV	ACC	EBV percei	ntiles for 401B
+1.0 birth weight	(kg)	+0.8	76%		» LIGHTER
+10 200-day Wt	(kg)	+1	60%	«LIGHTER	
+15 400-day Wt	(kg)	+3	57%	«LIGHTER	
+19 600-day Wt	(kg)	+3	57%	«LIGHTER	
+1 milk (kg)		-2	43%	«LOWER	
+0.7 eye muscle a	rea (sq.cm)	+0.1	41%	SMALLER «	
+0.0 marble score	2 (%)	+0.2	47%	LOWER «	
+0.00 marble finer	ness (%)	-0.06	46%	«LOWER	
\$121 fullblood fee	edlot index	\$33		« LOWER	

BR TAKAZAKURA 0606 3612

		sire BI	RTAKAZA	06	WORLD K'S TAKAZAKURA BR MS MICHIFUKU 8608			
		dam BF	R MS SAN	JJIROU 06:	56	VORLD K'	S SANJIROU R 301H	į
GROUP	TAJIMA	KEDAKA	TOTTORI	ITOZAKURA	SHIMANE	OKAYAMA	HIROSHIMA	OTHER
D	76%	3%	1%	2%	0%	8%	3%	7%

	EBV	TRAIT	EBV	ACC	EBV percentil	les for 3612	
	+1.0	birth weight (kg)	+0.2	84%		LIGHTER»	
	+10	200-day Wt (kg)	+1	77%	«LIGHTER		
SVS	+15	400-day Wt (kg)	+2	77%	«LIGHTER		
G E	+19	600-day Wt (kg)	+7	73%	«LIGHTER		
ZOTS born calves	+1	milk (kg)	-13	68%	«LOWER		
SEE.	+0.7	eye muscle area (sq.cm)	+4.4	55%			LARGERX
1	+0.0	marble score (%)	+0.3	56%	LOWER «		
	+0.00	marble fineness (%)	+0.04	54%	«LOWER		
	\$121	fullblood feedlot index	\$64		«LOWER		

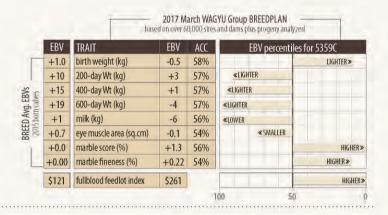
BAR R TAKAZAKURA 12P

carrie	r status F	ree	scd - V	/A	ten	-5		
		sire E	BAR R TA	KASURU 1	K	WORLD K'S TAKAZAKUR JVP MS FUKUSHIGE T10I		
	d	am JVP I	MS FUKU	JSHIGE T10	DE		TSURU-068 HIME 208	
GROUP	TAJIMA	KEDAKA	TOTTORI	ITOZAKURA	SHIMANE	OKAYAMA	HIROSHIMA	OTHER
C	54%	16%	7%	0%	0%	9%	3%	11%

EBV TR	AIT	EBV	ACC	EBV percent	iles for 12P
+1.0 bir	h weight (kg)	+1.6	83%	«HEAVIER	
+10 200)-day Wt (kg)	+8	77%	LIGHTER «	
+15 400)-day Wt (kg)	+13	75%	LIGHTER «	
+19 600)-day Wt (kg)	+12	75%	«LIGHTER	
+1 mil	k (kg)	+3	69%		HIGHER»
+0.7 eye	muscle area (sq.cm)	-1.5	54%	≪SMALLER	
+0.0 ma	rble score (%)	+0.0	47%	«LOWER	
+0.00 ma	rble fineness (%)	+0.09	43%	«LOWER	

LMR TENSAI 5359C

carrie	er status F	ree	scd - V	V	ten	-7		
			sire ITO	SHIGENA	MI IN	HIGESHIO UKUYUKI	SENAMI 106	532
	da	am LMR	MS KITA	GUNI 1265	5Y		S KITAGUNI ICHIFUKU 6	
GROUP	TAJIMA	KEDAKA	TOTTORI	ITOZAKURA	SHIMANE	OKAYAMA	HIROSHIMA	OTHER
D	61%	6%	1%	23%	4%	5%	0%	0%



LMR TOSHIRO 1/3 723T

carrie	er status F	ree	scd - V	/A	ten	-6		
			sire T	KIKUHAN	IA	OHANA AYORI 1		
		da	m WORL	.D K'S REII	(0)	ITAGUNI VORLD K'	7/8 S OKAHANA	
GROUP	TAJIMA	KEDAKA	TOTTORI	ITOZAKURA	SHIMANE	OKAYAMA	HIROSHIMA	OTHER
C	15%	12%	2%	58%	9%	0%	0%	3%

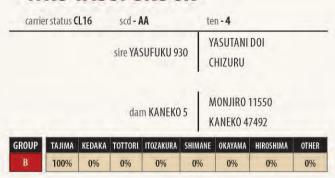
EBV percentiles for 1		ACC	EBV	TRAIT	EBV
KHEAVIER	6	909	+2.4	birth weight (kg)	+1.0
	6	849	+15	200-day Wt (kg)	+10
	6	819	+32	400-day Wt (kg)	+15
	6	789	+38	600-day Wt (kg)	+19
	6	639	+8	milk (kg)	+1
SMALLER	6	669	-1.2	eye muscle area (sq.cm)	+0.7
LOWER «	6	719	+0.3	marble score (%)	+0.0
WER	6 «L	659	-0.10	marble fineness (%)	+0.00
			\$225	fullblood feedlot index	\$121
		6	90%	+2.4 90% +15 84% +32 81% +38 78% +8 63% -1.2 66% +0.3 71% -0.10 65% « SMALLER LOWER « LOWER «	birth weight (kg) +2.4 90%

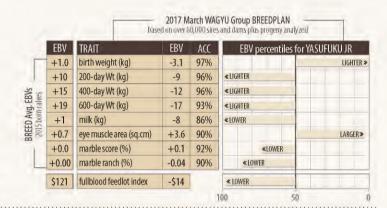
BAR R YASAFUKU 42K

	S	ire WOR	LD K'S Y	ASUFUKU	JR	ASUFUKU ANEKO 5		
		da	ım MISS	BAR R 361	H		S MICHIFUK KUKANE 05	
GROUP	TAJIMA	KEDAKA	TOTTORI	ITOZAKURA	SHIMANE	OKAYAMA	HIROSHIMA	OTHER
D	88%	0%	0%	3%	0%	3%	0%	6%

		base	ed on over 6	0,000 sires	YU Group BREEDPLA and dams plus progeny	analyzed	
	EBV	TRAIT	EBV	ACC	EBV per	centiles for 421	(
	+1.0	birth weight (kg)	-1.9	65%			LIGHTER»
	+10	200-day Wt (kg)	-4	62%	«LIGHTER		
3/5	+15	400-day Wt (kg)	-5	62%	«LIGHTER		
g. El	+19	600-day Wt (kg)	-9	60%	«LIGHTER		
BREED Avg. EBVs 2015 boin calves	+1	milk (kg)	-5	55%	«LOWER		
BREE	+0.7	eye muscle area (sq.cm)	+3.3	56%			LARGER»
1	+0.0	marble score (%)	+0.4	66%		» HIGHER	
L	+0.00	marble fineness (%)	+0.11	64%		» HIGH	ÉR
	\$121	fullblood feedlot index	\$69		«LOWER		
				7	00	50	

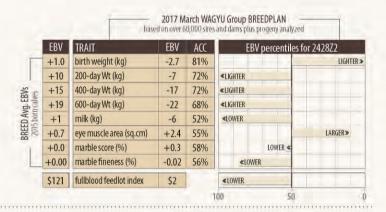
WKS YASUFUKU JR





LMR YASUMASA 2428Z

			1.00			V	ACHEURI	1.020	
	S	ire WOR	LD K'S YA	ASUFUKU .	JR		ASUFUKL	930	
						K	ANEKO 5		
	da	m LMR A	AS KITAG	GUNI 9281	w			S KITAGUNI UYASU 4602	
	ua					U	it mo itili	0 17150 1002	
GROUP	TAJIMA	KEDAKA	TOTTORI	ITOZAKURA	SHIM	1	OKAYAMA	HIROSHIMA	OTHER



TF YASUTANI 1012

carrie	er status F	ree	scd - /	AA.				
		atas	TE 012 I	ZIMITOTIII	, I	TOSHIGEN	IAMI	
		sire	TF 813 k	T	F 709			
				dam TF 900 KIMIFUKU 3				
GROUP	TAJIMA	KEDAKA	TOTTORI	ITOZAKURA	SHIMANE	OKAYAMA	HIROSHIMA	OTHER
D	75%	0%	0%	19%	4%	1%	1%	0%

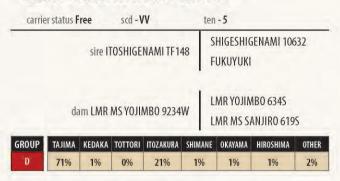
	EBV	TRAIT	EBV	ACC	EBV percenti	les for YOJIMB	0
	+1.0	birth weight (kg)	-0.1	40%		LIGHTER»	
	+10	200-day Wt (kg)	+4	36%	«LIGHTER		
3/8	+15	400-day Wt (kg)	+3	35%	«LIGHTER		
BREED Avg. EBVs 2015 born calves	+19	600-day Wt (kg)	+1	35%	«LIGHTER		
Sport	+1	milk (kg)	+1	30%	«LOWER		
201	+0.7	eye muscle area (sq.cm)	-1.8	30%			LARGER >
1	+0.0	marble score (%)	+0.7	37%		HIGHER>	
L	+0.00	marbe fineness (%)	+0.10	36%		» HIGHER	
	\$121	fullblood feedlot index	\$165			» HIGHER	

LMR YOJIMBO 634S

		sire BA	R R FUKL	JTSURU 36	SH	VP FUKUT METANI	SURU-068	
		dam BR	MS YASI	09		S YASUFUKI CHIFUKU 86		
GROUP	TAJIMA	KEDAKA	TOTTORI	ITOZAKURA	SHIMANE	OKAYAMA	HIROSHIMA	OTHER
D	81%	4%	1%	0%	0%	4%	2%	8%

+1.0	hirth woight (kg)		ACC	EBV perc	entiles for 4335B
	birth weight (kg)	+0.3	90%		LIGHTER»
+10	200-day Wt (kg)	+5	85%	«LIGHTER	
+15	400-day Wt (kg)	+9	81%	«LIGHTER	
+19	600-day Wt (kg)	+9	77%	«LIGHTER	
+1	milk (kg)	-8	64%	«LOWER	
+0.7	eye muscle area (sq.cm)	+4.6	58%		» LARGER
+0.0	marble score (%)	+0.6	64%		HIGHER
+0.00	marble fineness (%)	+0.18	57%		HIGHER »
\$121	fullblood feedlot index	\$146			HIGHER »
	+19 +1 +0.7 +0.0 +0.00	+19 600-day Wt (kg) +1 milk (kg) +0.7 eye muscle area (sq.cm) +0.0 marble score (%) marble fineness (%)	+19 600-day Wt (kg) +9 +1 milk (kg) -8 +0.7 eye muscle area (sq.cm) +4.6 +0.0 marble score (%) +0.6 marble fineness (%) +0.18	+19 600-day Wt (kg) +9 77% milk (kg) -8 64% +0.7 eye muscle area (sq.cm) +4.6 58% +0.00 marble score (%) +0.6 64% marble fineness (%) +0.18 57% \$121 fullblood feedlot index \$146	+19 600-day Wt (kg) +9 77%

LMR YOSHIHIRO 4335B



	EBV	TRAIT	EBV	ACC	EBV pero	entiles for 4335B
	+1.0	birth weight (kg)	+0.0	63%		LIGHTER >>
	+10	200-day Wt (kg)	+4	60%	«LIGHTER	3
3Vs	+15	400-day Wt (kg)	+4	59%	«LIGHTER	
g.El	+19	600-day Wt (kg)	+1	58%	«LIGHTER	
BREED Avg. EBVs 2015 from calves	+1	milk (kg)	-7	56%	«LOWER	
BREE	+0.7	eye muscle area (sq.cm)	+1.3	53%		» LARGER
T	+0.0	marble score (%)	+1.1	56%		HIGHER
	+0.00	marble fineness (%)	+0.17	55%		HIGHER»

LMR YOSUKE 5165C

carrie	er status F	ree	scd - A	AA	ten	- 7		
	5	sire WOR	LD K'S K	ITAGUNI J	R.	KITAGUNI 7/8 WORLD K'S NAKAYUKI		
	dam LN	IAMI TF148 UKUTSURU						
GROUP	TAJIMA	KEDAKA	TOTTORI	ITOZAKURA	SHIMANE	OKAYAMA	HIROSHIMA	OTHER
	56%	7%	0%	22%	6%	7%	1%	1%

	EBV	TRAIT	EBV	ACC	EBV perce	entiles for 5165C
	+1.0	birth weight (kg)	-0.1	76%		LIGHTER
	+10	200-day Wt (kg)	+0	70%	«LIGHTER	
BREED Avg. EBVs 2015 born calves	+15	400-day Wt (kg)	-3	66%	«LIGHTER	
icaly E	+19	600-day Wt (kg)	-9	64%	«LIGHTER	
Sport	+1	milk (kg)	-6	54%	«LOWER	
201	+0.7	eye muscle area (sq.cm)	+0.1	50%	SMALLER ≪	
T	+0.0	marble score (%)	+1.2	48%		HIGHER
	+0.00	marble fineness (%)	+0.12	45%		HIGHER»
	\$121	fullblood feedlot index	\$205			HIGHER*

LMR MS ITOMORITAKA 2391Z



registration no. FBB14542

birthdate 08/26/2012

scd AA ten 7

2017 March WAGYU Group BREEDPLAN based on over 60,000 sires and dams plus progeny analyzed

100

sire ITOMORITAKA J2703

ITOHIRASHIGE

DAI 6 OEFUJII J565554-KURO KOH

dam LMR MS MICHIFUKU 629S

WORLD K'S MICHIFUKU BR MS TAKAZAKURA 0652

GROUP	TAJIMA	KEDAKA	TOTTORI	ITOZAKURA	SHIMANE	OKAYAMA	HIROSHIMA	OTHER
C	39.1%	21.9%	15.6%	7.8%	0.0%	10.9%	1.6%	3.1%

FRA	TRAII	FRA	ACC	EBV percenti	les for 2391Z
+1.0	birth weight (kg)	+2.0	76%	«HEAVIER	
+10	200-day Wt (kg)	+14	68%		HEAVIER»
+15	400-day Wt (kg)	+23	66%		HEAVIER»
+19	600-day Wt (kg)	+30	65%		HEAVIER»
+1	milk (kg)	+3	59%		HIGHER »
+0.7	eye muscle area (sq.cm)	+3.6	55%		LARGER»
+0.0	marble score (%)	+0.2	55%	«LOWER	
+0.00	marble fineness (%)	+0.31	49%		HIGHER»
\$121	fullblood feedlot index	\$97		«LOWER	
	+1.0 +10 +15 +19 +1 +0.7 +0.0 +0.00	+1.0 birth weight (kg) +10 200-day Wt (kg) +15 400-day Wt (kg) +19 600-day Wt (kg) +1 milk (kg) +0.7 eye muscle area (sq.cm) +0.0 marble score (%) +0.00 marble fineness (%)	+1.0 birth weight (kg) +2.0 +10 200-day Wt (kg) +14 +15 400-day Wt (kg) +23 +19 600-day Wt (kg) +30 milk (kg) +3 +0.7 eye muscle area (sq.cm) +3.6 +0.0 marble score (%) +0.2 +0.00 marble fineness (%) +0.31	+1.0 birth weight (kg) +2.0 76% +10 200-day Wt (kg) +14 68% +15 400-day Wt (kg) +23 66% +19 600-day Wt (kg) +30 65% +1 milk (kg) +3 59% +0.7 eye muscle area (sq.cm) +3.6 55% +0.0 marble score (%) +0.2 55% +0.00 marble fineness (%) +0.31 49%	+1.0 birth weight (kg) +2.0 76% +10 200-day Wt (kg) +14 68% +15 400-day Wt (kg) +23 66% +19 600-day Wt (kg) +30 65% milk (kg) +3 59% eye muscle area (sq.cm) +3.6 55% +0.0 marble score (%) +0.2 55% *LOWER*

LMR MS ITOMORITAKA 2391Z is a 4-year-old cow sired by Itomoritaka J2703 (ETJ002). ETJ002's sire was Itohirashige J1555 (grandson of Dai 7 Itozakura J65) and his dam Dai 6 Oefuji J565554 was the daughter of Dai 5 Kedakafuji J1180. ETJ 002 is a trait leader with nearly 1400 progeny analyzed in the BREEDPLAN database. He is ranked in the top 1% for 200, 400 and 600-Day Weights, Milk, Scrotal Size and Ribeye Area (EMA). And in fact, as calculated by BREEDPLAN, he even ranks in the top 5% for Rib Fat and Marble Fineness. Even though he is a Carrier for CHS he is a phenomenal sire who has had enormous influence on the breed outside Japan.

2391Z has a unified heritage of Fujiyoshi / Kedaka / Tajima: Itohirashige J1555 as her paternal grandsire (grandson of Dai 7 Itozakura) and WKS Michifuku (son of Monjiro) as her dam sire. Monjiro 11550 is linebred to Tajima J105, great-grandsire of Yasumi Doi J10328. Michifuku's dam, Michiko J655635, was sired by Tanishige 1526 and grandsired by Yasutanidoi J472.



8155U 634S X MICHIFUKU 40.20 IMF

Yasumi Doi J10328 and Yasutanidoi J472 are considered to be two of the most famous of the Tajima/ Tajiri line. Yasumi Doi J10328 sired Yasutanidoi J472, as well as Dai 2 Yasutsuru 774 (sire of Fukutsuru 068). Yasumi Doi J10328 also grandsired Yasufuku 930, sire of Yasufuku Jr. Yasumi Doi J10328 appears twice in Michifuku's pedigree. This lineage supports Michifuku's high standing.

2391Z's dam LMR Ms Michifuku 629S is an 11-year-old elite female and champion donor of the Lone Mountain breeding herd. In 10 flushes we have recovered 119 viable embryos. Seventeen of her offspring have been born here at Lone Mountain with 3 daughters retained – all of whom are in the sale: LMR Ms Yojimbo 5321C as Lot #38; LMR Ms Toshiro 1/3 4302B as Lot #35; and LMR Ms Hirashigetayasu 4232B as Lot #70. 629S's carcass progeny have proven out as well: 2391Z's half-sib 8155U is pictured at right. 629S's BREEDPLAN performance is impressive, in particular her carcass merit which has driven her FTI\$ index to +232, ranking in the top 10% of the breed.

2391Z's BREEDPLAN figures are notable, positioning her in the top 5% for Ribeye Area EBV (+3.6), Retail Beef Yield EBV (+1.1) and Marble Fineness EBV (+0.31); in the top 10% for Scrotal EBV (+1.4); and the Weaning Weight EBV (+14) ranks her in top 15% of the breed outside Japan.

2391Z is open and ready to breed.

2391Z has been tested free for all known Wagyu genetic defects. SCD: AA. Tenderness: 7.

LMR MS SANJIROU 4313B



registration no. FBB19362

birthdate 08/17/2014

scd AA ten 10

 2017 March WAGYU Group BREEDPLAN – based on over 60,000 sires and dams plus progeny analyzed

sire WORLD K'S SANJIROU

WORLD K'S MICHIFUKU WORLD K'S SUZUTANI

dam LMR MS HIRASHIGETAYASU 1280Y

HIRASHIGETAYASU J2351 LMR MS SANJIROU 713T

GROUP	TAJIMA	KEDAKA	TOTTORI	ITOZAKURA	SHIMANE	OKAYAMA	HIROSHIMA	OTHER
D	78.5%	9.4%	3.1%	0.8%	0.0%	8.6%	0.8%	1.6%

	EBV	TRAIT	EBV	ACC	EBV percenti	les for 4313B
	+1.0	birth weight (kg)	+0.8	76%		» LIGHTER
	+10	200-day Wt (kg)	+7	69%	«LIGHTER	
s sk	+15	400-day Wt (kg)	+11	70%	«LIGHTER	
g. EF	+19	600-day Wt (kg)	+13	66%	«LIGHTER	
BREED Avg. EBVs 2017 born calves	+1	milk (kg)	-8	55%	«LOWER	
BRE	+0.7	eye muscle area (sq.cm)	+5.7	58%		LARGER»
	+0.0	marble score (%)	+0.5	64%		HIGHER»
	+0.00	marble fineness (%)	+0.11	62%		HIGHER»
	\$121	fullblood feedlot index	\$120			> HIGHER

LMR MS SANJIROU 4313B is one of the 3 females on offer today that are graded AA 10 (SCD, Tenderness). A rare opportunity. 4313B, an exceptional 3-year-old daughter of World Ks bull WKS Sanjirou.

Sanjirou has the potential to become one of the most influential sires of the **Tajima** line, having great meat quality, large ribeye area, thick rib and high yield. In the 2017 LMCC Sire Performance Study, **Sanjirou** ranks as the 5th highest Sire for REA average (14.11"² based on 14 imaged carcasses) **ETJ001**, **LMR Masahiko 1250Y**, **Shigeshigetani** and **Haruki II** with only 0.06"² between **Sanjirou** and the #1 sire, **ETJ001**. **Sanjirou** also ranks as #5 for IMF% (30.15%) behind only **Yasufuku Jr**, **Kitaguni Jr**, **TF148** and **LMR Yojimbo**.

Sanjirou is a Trait Leader of the breed and ranks at the very top of over 5,407 Fullblood Wagyu Sires and 54,763 Dams and 4,711 carcass images of harvested Fullblood Wagyu for Ribeye Area (EMA) EBV of +9.5 – note that the top 1 percentile band begins at +4.7.

Sanjirou is a linebred Yasumi Doi J10328 bull. Yasumi Doi, widely known for his ability to produce excellent meat quality, sired Yasutanidoi J472 and grandsired both Fukutsuru 068 and Yasufuku J930. Sanjirou is out of the prominent Japanese cow Suzutani, who represents one of the most potent bloodlines in Japan. Suzutani's sire was Tanishige J1526, whose progeny test results demonstrate that he has heritable traits with a BMS score +3.1 (above the national average of +2.1) and a Yield Grade of 72.7%. Suzutani's mother was Suzunami who was sired by Shigeshigenami J10632, who has a reputation for producing the some of the very best genetics in Japan.

4313B has a most distinguished family tree with the impressive bull **Hirashigetayasu ETJ 001** (son of the great **Dai 20 Hirashige J287**) as her dam sire. **Dai 20 Hirashige J287** is an important sire of the **Kedaka** line, and has the genetic potential for higher growth rates combined with high meat quality, as well as good conformation, temperament, and fertility.

4313B'S dam, LMR Ms Hirashigetayasu 1280Y, is a 6-year-old donor – in 2 flushes we recovered 14 viable embryos. 1280Y's BREEDPLAN performance figures are impressive: ranking in the top 1% for Retail Beef Yield EBV (+1.4) and in the top 7-10 percentile band for all the Weight EBVs.

4313B'S BREEDPLAN figures are balanced as well as impressive, with Ribeye EBV (+5.7) in the top 1% as is the chart-topping Retail Beef Yield EBV (+2.5), which is the highest value measured in the breed. She has been flushed once time producing 6 viable embryos – fertility being a heritable trait, she could very well be following in the footsteps of her dam. 4313B has the makings of very fine donor. Half-sib of **4313B** is pictured at right (**9304W**).

4313B sells open and ready to breed or flush.

4313B is free by pedigree for all known Wagyu genetic defects. As previously mentioned, her SCD and Tenderness result is the highest possible: AA 10. Note that AA is the preferred result of SCD testing and is akin to being identified as the softer, higher melting point fat.

LMR HAYAO 5549C



registration no. FBB22386

birthdate 27/09/2015

scd AA ten 10

2017 March WAGYU Group BREEDPLAN based on over 60,000 sires and dams plus progeny analyzed.

sire LMR KENICHI 807T

WORLD K'S MICHIFUKU WORLD K'S NAKAZAKURA

dam LMR MS ITOHANA 9264W

TF ITOHANA 2 LMR MS FUKUTSURU 609S

GROUP	TAJIMA	KEDAKA	TOTTORI	ITOZAKURA	SHIMANE	OKAYAMA	HIROSHIMA	OTHER
C	42%	2%	1%	40%	7%	1%	3%	5%

EBV TRAIT EBV ACC birth weight (kg) +1.0 +1.576% 200-day Wt (kg) +10 +7 61% +15 400-day Wt (kg) +12 60% 600-day Wt (kg) +1358% +1 milk (kg) +2 44% +0.7eye muscle area (sg.cm) +0.944%

+0.3

+0.01

\$117

49%

47%

marble score (%)

\$121 fullblood feedlot index

marble fineness (%)

+0.0

+0.00

«HEAVIE **«LIGHTER** LIGHTER « **«LIGHTER** » LARGER IOWER « «LOWER

LOWER «

EBV percentiles for 55490

LMR HAYAO 5549C is the only AA 10 bull to be sold at this LMCC Production Sale.

LMR HAYAO 5549C is an 18-month-old sired by LMR Kenichi 807T, son of WKS Michifuku, the superb carcass sire imported from Japan. 807T is a brilliant composite bull, a Tajima/Itozakura/Shimane cross. Kenichi 807T was named in honor of the exceptional writer Kenichi Ono (who wrote the classic text on Wagyu, The 100 Most Outstanding Wagyu of Japan). 807T's maternal side is linebred to Dai 7 Itozakura, a Japanese bull known for his amazing growth traits was so famous that his picture was placed on a telephone card. 807T's grand-dam sire, Kenryu is a highly regarded bull from Shimane Prefecture. His dam, WKS Nakazakura, is a half-sib of Jerry Reeves' highly regarded Bar R Nakagishiro 56T.

5549C has solid World Ks breeding behind him with a Takeda marvel, TF Itohana 2 (grandson of Dai 7 Itozakura), as his dam sire. Itohana's BREEDPLAN figures rank him in the top 3% of all Fullblood Wagyu Sires outside Japan with a Fullblood Terminal Index of \$274. With the strong influence of the "Michifuku" genetics, the legacy of "Doi" family and their renowned meat quality traits is

4337B MICHIFUKU X TF147 - 47.77% IMF

established. Evidence of Michifuku's abilities as a sire is shown at right (4337B). 5549C's dam, LMR Ms Itohana 9264W, is a 7-year-old with potential. She has had 5 progeny to date (all males except one daughter,

4341B, who has been retained in the LMR breeding herd). 9264W's performance figures are exceptional, with a top 1% ranking for both Milk EBV (+11) and Rump Fat EBV (+3.2) – and a top 4% ranking for both Rib Fat EBV (+1.4) and a Birth Weight EBV (-0.8).

HAYAO'S BREEDPLAN figures are based on parental pedigree and will undoubtedly improve as his progeny develop. Meanwhile his trait leading Carcass Fat EBVs (Rib: +1.8 and Rump; +3.8) position him in the top 1% of the breed outside Japan and as such, directs a strong relationship to finishing ability, early maturity and, improvement in fertility (increased cycling prevalence in his daughters).

As with all Lone Mountain bred males 5549C has been carefully selected for what we believe as a well-balanced bull with the necessary attributes (maternal, growth, carcass and, finishing ability) required in a herd bull. In addition, his SCD result is AA and his Tenderness: 10. 5549C was the first and only Lone Mountain-bred bull tested, so far, to achieve such an impressive result.

5549C has been tested free for all known Wagyu genetic defects.

LMR MS ITOHANA 1269Y



registration no. FBB13691

birthdate 07/18/2011

scd VV ten 7

— 2017 March WAGYU Group BREEDPLAN based on over 60,000 sires and dams plus progeny analyzed

100

sire TF ITOHANA2

ITOHANA AINO 6

dam BR MS MICH-1628 4630

BR MICHIFUKU 1628 BR MS KIKUHANA 8620

GROUP	TAJIMA	KEDAKA	TOTTORI	ITOZAKURA	SHIMANE	OKAYAMA	HIROSHIMA	OTHER
C	27.5%	4.9%	1.2%	50.0%	13.3%	3.1%	0.0%	0.0%

EBV TRAIT EBV percentiles for 1269Y EBV ACC birth weight (kg) 60% HIGHTER > +1.0+0.2+10 200-day Wt (kg) 58% **«LIGHTER** +5 +15 400-day Wt (kg) +9 57% **«LIGHTER** 600-day Wt (kg) +10 56% **«LIGHTER** +1 milk (kg) +3 57% HIGHER > eve muscle area (sq.cm) -1.0 50% **«SMALLER** +0.7marble score (%) HIGHER» +0.0+0.5 56% +0.00 marble fineness (%) -0.11 54% **«LOWER** \$121 fullblood feedlot index \$187 HIGHER»

LMR MS ITOHANA 1269Y is a 6 year old cow sired by Takeda icon **TF Itohana 2**, a **Fujiyoshi** Fullblood Wagyu bull, the third in the herd used to increase frame size and improve maternal ability. The progeny of **TF Itohana 2** exhibit excellent maternal ability, good milking ability, and good frame size. He is a male calf of **Aino 6** – a notable fact given that 100% of the carcasses (17 of 17 cattle slaughtered) from the Aino group graded A5 - the highest grade possible and the average live weight was 1,040 lbs.

1269Y has a textbook pedigree: Itohana J809 as her paternal grandfather (son of Dai 7 Itozakura) and a Blue Rock legend; BR Michifuku 1628 as her maternal grandfather (great grandson of Yasumi Doi). The "Fujiyoshi" lineage of Dai 7 Itozakura shows just how important frame size, growth and docility are to this breed -and, then add to the mix the significance of the "Tajiri" lineage of notable individuals like Yasumi Doi and his extended family tree, and the carcass merit synonymous to their name.



9390W ITOHANA X MICHIFUKU-1628 - 39.40% IMF

1269Y's dam **BR Ms Michifuku-1628 4630** was one of the original Lone Mountain donors. **4630** was a great donor from whom we recovered 27 viable embryos in 4 flushes. Although she herself was sold back in 2009 her genetics were continued via ET for many years here on the ranch.

1269Y's latest BREEDPLAN figures have her shining above her peers with many of the observed traits in the top 20 percentile range. She has a FTI\$ index (\$187) which positions her in the top 16% of the Wagyu breed outside Japan. See half-sib pictured at right (**9390W**).

1269Y gave birth to a heifer calf (7105E) sired by the famous Westholme bull **Kitateruyasudoi ETJ 003** on 31st of March. She was pasture exposed to **LMR Aoichi 2468Z**, **LMR Yoshihiro 4335B** and **LMR Tensai 5359C** – but the timing is such that it is a virtual certainty that the calf was sired by **ETJ003**.

1269Y sells open, with heifer calf by her side, and will be ready to breed or flush by late summer.

1269Y has been tested free for F11 and is free by pedigree for the remainder of all known Wagyu genetic defects. SCD: VV. Tenderness: 7.

LMR MS MICHIFUKU 5503C





registration no. FBB21613

birthdate 09/01/2015

scd AA ten 9

2017 March WAGYU Group BREEDPLAN based on over 60,000 sires and dams plus progeny analyzed

100

sire WORLD K'S MICHIFUKU

MONJIRO 11550 MICHIKO 655635

dam LMR MS ITOZURUDOI 812T

ITOZURU DOI TF 151 CF 503

GROUP	AMILAT	KEDAKA	TOTTORI	ITOZAKURA	SHIMANE	OKAYAMA	HIROSHIMA	OTHER
D	75.0%	6.3%	0.0%	15.6%	3.1%	0.0%	0.0%	0.0%

TRAIT **EBV** EBV percentiles for 5503 +1.0birth weight (kg) +1.778% HEAVIER « 200-day Wt (kg) +10 +9 67% **«LIGHTER** +15 400-day Wt (kg) +11 65% **«LIGHTER 3REED Avg. EBVs** +19 600-day Wt (kg) 65% **«LIGHTER** +13 milk (kg) -4 59% +1 56% +0.7eye muscle area (sq.cm) +3.4marble score (%) 59% +1.0 +0.00 marble fineness (%) +0.41 58% \$121 fullblood feedlot index \$226

LMR MS MICHIFUKU 5503C is an 18-month-old heifer sired by WKS Michifuku. Michifuku is thought to be the best carcass bull ever to leave Japan. His BREEDPLAN figures validate that ranking him in the top 1% for Ribeye Area EBV (+7.6. with accuracy level of 97% based on 231 carcasses imaged), Marble Score (+1.3), Marble Fineness (+0.47) and Retail Beef Yield (+1.3) – and in the top 4% for Fullblood Terminal Index (+\$248) of a highly select group of 236 Fullblood Wagyu sires outside Japan.

Michifuku's sire, Monjiro 11550, is line-bred to Tajima J105, great-grandsire of Yasumi Doi J10328. Michifuku's dam, Michiko J655635, was sired by Tanishige 1526 and grandsired by Yasutanidoi J472. Yasumi Doi J10328 and Yasutanidoi J472 are considered to be two of the most famous of the Tajima/ Tajiri line. This lineage supports Michifuku's high standing.



LARGER >

HIGHER >

HIGHER >>

HIGHER >

4292B KOICHI X MICHIFUKU - 42,90% IMF

5503C has a textbook pedigree: Monjiro as her paternal grandsire (son of Yasumi Doi) and the famous Takeda bull Itozurudoi TF151 as her dam sire (grandson of the Dai 7 Itozakura). Itozurudoi TF151's great-grandsire is Yasumi Doi J10328. He is known as a fabulous composite bull in the industry: Itozurudoi TF151 is 50% Tajima, 25% Fujiyoshi, and 25% Kedaka. He has an extremely big frame, weighing 2,420 lbs, carries early maturing traits that produce great Fullblood mothers with excellent milk, and is the best marbling bull of the Fujiyoshi bloodlines.

5503C's dam LMR Ms Itozurudoi 812T is a 9-year-old cow, a great contributor to the Lone Mountain breeding program. She has had 6 progeny to date with many of her carcass progeny exhibiting high IMF% camera results upon slaughter. 812T also has a composed set of BREEDPLAN figures with moderate Birth Weight, excellent Milk EBV (top 6%), high Fat EBVs and impressive Marble Score as standout traits. Her FTI\$ index positions her in the top 15% of the breed outside Japan.

5503C own BREEDPLAN figures are notable thanks to the trait leading EBVs for carcass of her sire WKS Michifuku and the maternal and carcass merit dependability from her dam 812T. Her carcass performance is impressive, both Ribeye Area EBV (+3.4) and Marble Score EBV (+1.0) ranking her in the top 5% and the Marble Fineness EBV (+0.41) is at the top, ranking her in best 1% of all analyzed animals outside Japan.

5503C sells open and ready to flush or breed. An example of Michifuku as dam sire is pictured at right (4292B).

5503C has been tested free for all known Wagyu genetic defects.

5503C's SCD result is AA (identified with softer, higher melting point fat) and a Tenderness Score of 9 (with 10 the highest result possible). If 5503C is mated to an AA sire with a high Tenderness Score (8, 9 or 10), we would anticipate a good possibility of her producing a perfect AA 10 calf.

LMR MS SHIGESHIGETANI 1223Y



registration no. FBB11922

birthdate 03/28/2011

scd VV ten 3

2017 March WAGYU Group BREEDPLAN based on over 60,000 sites and dams plus progeny analyzed

sire WORLD K'S SHIGESHIGETANI

WORLD K'S HARUKI 2 WORLD K'S SUZUTANI

dam LMR MS ITOMICHI-4632 761

BR ITOMICHI/0602 4632 BR MS MICHI-8614 2660

GROUP	TAJIMA	KEDAKA	TOTTORI	ITOZAKURA	SHIMANE	OKAYAMA	HIROSHIMA	OTHER
D	69.0%	10.6%	2.3%	3.5%	0.8%	3.0%	4.7%	6.1%

	EBV	TRAIT	EBV	ACC	EBV percentil	es for 1223Y
	+1.0	birth weight (kg)	-1.1	77%		LIGHTER >>
	+10	200-day Wt (kg)	+6	68%	«LIGHTER	
3Vs	+15	400-day Wt (kg)	+14	67%	LIGHTER «	
BREED Avg. EBVs 2015 born calves	+19	600-day Wt (kg)	+15	63%	«LIGHTER	
DA	+1	milk (kg)	+2	54%		» HIGHER
BRE	+0.7	eye muscle area (sq.cm)	+0.6	43%	«SMALLER	
1	+0.0	marble score (%)	+0.2	45%	LOWER «	
	+0.00	marble fineness (%)	+0.02	42%	«LOWER	
	\$121	fullblood feedlot index	\$99			> HIGHER

LMR MS SHIGESHIGETANI 1223Y is a 6-year-old sired by WKS Shigeshigetani, who represents a very powerful genetic strain of the Wagyu breed. Shigeshigetani is Sanjirou's half-brother, but more closely bred than most half-siblings: the two have the same dam, Suzutani. And Shigeshigetani's sire is Haruki II (half-brother of Michifuku), while Sanjirou's sire is Michifuku himself - they are both sired by the same bull, Monjiro J11550. Suzutani's dam sire was Shigeshigenami J10632 (sired by Shigekanenami, the bull that made the Kumanami line famous). The **Kumanami** family is known to have extremely potent marbling genes. (There are three key families in the **Tajima** line: **Nakadoi**, **Okudoi** and **Kumanami**.)

According to World K's Group, who owns the bull, Shigeshigetani's progeny have been absolutely exceptional. With over 90% of his progeny grading 9+ on the Australian scale of grading. In the 2017 LMCC Sire Performance Study, **Shigeshigetani** is the 3rd highest Sire for Average REA (14.15"² with 36 carcasses studied), trailing only **Hirashigetayasu ETJ001** and **LMR Masahiko 1250Y** – and 5th highest Sire for Marble Fineness (29.81), trailing **LMR Akahige 8119U**, **WKS** Kitaguni Jr, BM Hikoshigefuji Y342 and LMR Yojimbo 6345.



8183U SHIGESHIGETANI X MICHIFUKU

BREEDPLAN figures show **Shigeshigetani** as a Trait Leader and ranked in the top 2% of over 60,000 Fullblood Wagyu sires and dams and almost 5,000 FB carcasses studied for Birth Weight (-1.6 with Accuracy of 95%) and in the top 25% for Ribeye Area (EMA) EBV: +1.7. An example of **Shigeshigetani's** prowess as an influential Fullblood Wagyu sire is shown at right (**8183U**).

1223Y has an impressive family line the impeccable bull BR Itomichi-0602 4632 (grandson of TF Itomichi 1-2) as her dam sire. TF Itomichi 1-2's grandsire is Dai 7 Itozakura J65. His mother, Dai 2 Kintou, and grandmother, Ezokintou 1A, are high-grade cows of the Haraharashu line. His great-grandmother, Ezokintou J11961, was awarded Grand Prize at the third Zenkyo (All- Japan Wagyu) competition. In the 2017 LMCC Sire Performance Study, Itomichi 4632 is the #1 Dam Sire for Average REA ranking with 10 carcass images studied (14.74"2) besting TF Itomichi 1-2 and Bar R Sanjirou 4P.

1223Y's dam LMR Ms Itomichi-4632 761T is a 2007-born cow who calved out 4 offspring before being sold at our 2014 production sale to Selina Cattle Company. Her BREEDPLAN figures are balanced with moderate birth weight, good growth, milk and carcass and FTI \$ index. 761T's daughter, LMR Ms Michifuku 4315B, sells as Lot #78.

1223Y's own BREEDPLAN figures are also noteworthy, with her Birth Weight EBV (-1.1) in the top 5% of the breed.

1223Y is open and ready to breed or flush.

1223Y is free by pedigree for all known Wagyu genetic defects. SCD: VV. Tenderness: 3.

LMR MS AOICHI 5542C



registration no. FBB22380

birthdate 09/24/2015

scd AA ten 9

2017 February WAGYU Group BREEDPLAN based on over 60,000 sires and dams plus progeny analyzed

100

sire LMR AOICHI 2468Z

ITOSHIGENAMI TF148 LMR MS MICHIFUKU 783T

dam LMR KITAGUNI 2305Z

WORLD K'S KITAGUNI JR. BR MS ITOMICH/0602 4625

							HIROSHIMA	OTHER
D	66.6%	5.5%	1.4%	16.0%	3.9%	4.3%	0.8%	1.6%

	EBV	TRAIT	EBV	ACC	
	+1.0	birth weight (kg)	-1.3	73%	
	+10	200-day Wt (kg)	-1	55%	«L
SVS so	+15	400-day Wt (kg)	-6	54%	«L
BREED Avg. EBVs 2015 born calves	+19	600-day Wt (kg)	-11	53%	«L
DAN	+1	milk (kg)	-4	39%	«
201	+0.7	eye muscle area (sq.cm)	-0.9	38%	
	+0.0	marble score (%)	+0.9	40%	
	+0.00	marble fineness (%)	+0.13	38%	
	\$121	fullblood feedlot index	\$157		

EBV percentiles for 55420 IGHTER IGHTER KLOWER «SMALLER HIGHER >> » HIGHER » HIGHER

LMR MS AOICHI 5542C is the second youngest daughter of a highly regarded Lone Mountain Sire LMR Aoichi 2468Z that will be offered for sale. Aoichi 2468Z ranks in the top 1% for IMF EBV(+1.2) and in the top 5% FTI (\$242) in the most current BREEDPLAN report. Aoichi is the result of a mating the Australian Wagyu Sire Research Project has discovered as the finest of the highly marbling sires: Itoshigenami TF148 out of a Monjiro-line dam.

That Australian sire, ADBFA0139 Mayura Itoshigenami Jr, is owned by the previous president of the Australian Wagyu Association, Scott DeBruin. Scott last year sold 10 units of 0139's semen for \$3,050 a straw. 0139's FTI is currently +\$558 with an IMF EBV of +2.4. 0139 is out of a Michifukugrandsired dam. 2468Z, as you can see, is out of a Michifuku-sired dam.



3456A TF148 X KITAGUNI JR - 42.86% IMF

5542C is an adolescent 18 month old heifer with a rock solid pedigree: **TF148** as her paternal grandfather and **WKS Kitaguni Jr** as her dam sire. We believe this is another example of a perfect mating "nick" that Lone Mountain has uncovered. Kenichi Ono opines that **Kitaguni 7-8** was one of the three greatest Wagyu in all of Japan. An example of TF148 x Kitaguni is shown at right (3456A).

5542C's dam LMR Ms Kitaguni 2305Z has an impressive pedigree with a powerhouse of carcass breeding behind her and as such, we have offered her for sale as well (Lot #79). As with all Lone Mountain bred females they are monitored and assessed as they mature from calf to adult and we believe 5542C possesses all the attributes we look for in the breed, especially those geared towards easy calving / maternal ability and carcass excellence.

5542C's BREEDPLAN figures have her positioned in the top 5 % for both Birth Weight EBV (-1.3) and Marble Score EBV (+0.9). She sells open and ready to breed or flush.

5542C has been tested free of all known Wagyu genetic defects.

5542C's SCD result is AA (AA being the preferred result and akin to being identified with softer, higher melting point fat) and a Tenderness Score of 9 (with 10 being the highest result achieved). If 5542C is mated to an AA sire with a high Tenderness Score (8, 9 or 10), we would anticipate a good possibility of her producing a perfect AA 10 calf.

LMR MASAHIKO 5534C



registration no. FBB22374

birthdate 21/09/2015

scd AA ten 7

 2017 March WAGYU Group BREEDPLAN based on over 50,000 sires and dams plus progeny analyzed

sire LMR MASAHIKO 1250Y

WORLD K'S YASUFUKU JR LMR MS ITOMICHI-4632 806T

dam LMR MS HIRO 3471A

LMR HIRO 0195X LMR MS HIKOSHIGEFUJI 0102X

ROUP	TAJIMA	KEDAKA	TOTTORI	ITOZAKURA	SHIMANE	OKAYAMA	HIROSHIMA	OTHER
D	64%	2%	1%	27%	2%	2%	2%	2%

	EBV	TRAIT	EBV	ACC	ı
	+1	birth weight (kg)	-1.3	76%	
	+10	200-day Wt (kg)	-2	60%	
3Vs es	+15	400-day Wt (kg)	+1	58%	
BREED Avg. EBVs 2015 born calves	+19	600-day Wt (kg)	+1	56%	
Shon	+1	milk (kg)	-2	35%	
201	+0.7	eye muscle area (sq.cm)	+2.8	35%	
	+0.0	marble score (%)	+0.4	49%	
L	+0.00	marble fineness (%)	+0.03	47%	
	\$121	fullblood feedlot index	\$102		I

	LIGHTER
«LIGHTER	
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	LARGER»
	» HIGHER
«LOWER	
LOWER «	

LMR MASAHIKO 5534C is an 19-month-old virgin bull destined for greatness. On top of carrying a double copy of the SCD gene, 5534's Tenderness Score is 7, which means that he is capable of producing AA 10 progeny when mated with AA females with an elevated Tenderness Score. 5534C was fathered by the impressive LMR Masahiko 1250Y, Lone Mountain's go-to Yasufuku Jr herd sire. 1250Y has already sired 42 calves, and many more are in the pipeline and he is already ranked as the #2 Sire in the 2017 LMCC Sire Performance Study for REA (14.17"² based on 6 carcass images studied), second only to Hirashigetayasu ETJ001. Evidence of Yasufuku's stature is evidenced by the picture at right (9339W)

5534C's grandsire, **WKS Yasufuku Jr** has shown us the fineness, richness and abundance of his marbling ability - he leads the Performance Study, as both Sire and Dam Sire. **Yasufuku Jr** is #1 Sire for IMF% (32.96% based on images of 32 carcasses), over 100 basis points ahead of his nearest competitor, **WKS Kitaguni Jr** – and #1 Dam Sire for IMF% (34.11% based on 35 images studied), over 150 basis points ahead of his nearest competitor, again **WKS Kitaguni Jr**. **Yasufuku Jr** is also the #1 Dam Sire for Marble Fineness (32.48 based on 35 images).



9339W YAS X SANJIROU 4P - 46.40% IMF

According to World K's, progeny of **Yasufuku Jr** have performed quite well, as evidenced in the following: 78% of the 1,200 F1 calves fed 540 days [ADG = 1.94 lbs] graded 9+ on the Australian Grading system.

Yasufuku J930 – 5534's great-grandsire – is listed as the sire of the three highest marbling sires in the Japanese 2001 Sire Evaluation Report: Number One Yasufuku 165-9; Number Two, Fukusakae; and Number Three, Yasuhira. In the Ninth Zenkyo (2007 All-Japan Wagyu Competition) Yasufuku J930 bloodlines dominated the contest, siring one champion and grand-siring two others. Yasufuku J930 was also the maternal grandsire of two runners-up and grandsire of the other runner-up. His name appeared on all three champion sires and all three runners-up.

5534C has an amazing family line with **LMR Hiro 0195X** (grandson of **Monjiro**) as his dam sire. **Monjiro 11550** is linebred to **Tajima J105**, great-grandsire of **Yasumi Doi J10328**. **Yasumi Doi J10328** is considered to be one of the most prominent members of the **Tajima/Tajiri** line cattle descended from **Tajiri**, a sire born in the **Mikata** District of Hyogo Prefecture.

5534C's dam **LMR Ms Hiro 3471A** is a 4-year-old just coming into the prime of her life. **3471A** has a solid breeding behind her with **WKS Haruki** II as her paternal grandfather and the legendary Australian herd Blackmore sire (**BM Hikoshigefuji Y342**) as her dam sire.

BREEDPLAN figures show **5534C**'s Birth Weight EBV (-1.3) ranking him in the top 3% and Ribeye Area EBV (+2.8) ranks in the top 7% of the breed outside Japan.

5334C has been tested free for all known Wagyu genetic defects. SCD: AA. Tenderness: 7.

LMR MS ITOSHIGENAMI 3510A





registration no. FBB16664

birthdate 08/22/2013

scd VV ten 4

2017 March WAGYU Group BREEDPLAN based on over 60,000 sires and dams plus progeny analyzed

sire ITOSHIGENAMI TF148

SHIGESHIGENAMI 10632 **FUKUYUKI**

dam LMR MS KITAGUNI 8168U

WORLD K'S KITAGUNI JR. **BR MS YASUFUKU 0645**

GROUP	TAJIMA	KEDAKA	TOTTORI	ITOZAKURA	SHIMANE	OKAYAMA	HIROSHIMA	OTHER
D	68.8%	3.1%	0.0%	19.5%	3.1%	3.9%	0.0%	1.6%

TRAIT +1.0 birth weight (kg) 63% 200-day Wt (kg) +10 -6 60% +15 400-day Wt (kg) -12 60% +19 600-day Wt (kg) -20 59% milk (kg) -8 58% +1 55% +0.7eye muscle area (sq.cm) +0.1 marble score (%) +0.0+1.356% +0.00 marble fineness (%) +0.15 55%

\$218

\$121 fullblood feedlot index

LDV percen	tiles for 3501A
	LIGHTER »
« LIGHTER	
« LIGHTER	
«LIGHTER	
«LOWER	
« SMALLER	
	LARGER >>
	HIGHER»
	HIGHER »

50

LMR MS ITOSHIGENAMI 3510A is a 3 1/2-year-old 2nd calf heifer sired by the Takeda bull Itoshigenami TF148. 75% Tajima and 25% Fujiyoshi, Itoshigenami TF148 is the #3 Sire in the 2017 LMCC Sire Performance Study, averaging 30.84% IMF with 24 carcasses imaged and data calculated by Dr. Kuchida's software program. Itoshigenami TF148 is also the #4 Dam Sire in the same study with an average 29.71% IMF based on 18 carcasses.

There are three key families in the **Tajima** line: **Nakadoi**, **Okudoi** and **Kumanami**. The bull which made the Kumanami line famous was Shigekananami (Itoshigenami's grandsire) who had great influence over the line. Itoshigenami TF148 was sired by Shigeshigenami – a double cross of Shigekananami and therefore highly inbred in the Kumanami bloodline. Shigeshigenami's family has extremely potent marbling genes. Kenichi Ono, author of "Outstanding Wagyu in Japan," quoted that Shigeshigenami is "the bull most representative of 'quality Wagyu." Itoshigenami TF148 was owned by Mr. Shogo Takeda since 1995. TF148 is highly thought of in BREEDPLAN computations: otherworldly FTI\$ index of +\$348 (the top 1% is +\$306) and Marble Score EBV of +1.7 (top 1% is +1.3).



3456A TF148 X KITAGUNI JR - 42.86% IMF

3510A has an unmatched pedigree with WKs Kitaguni Jr as her dam sire (son of Kitaguni 7-8). The Dai 7 Itozakura line, begun in 1970, is derived from Fujiyoshi cattle in Okayama Prefecture and known widely for frame size, good weight gain and gentle nature. His renowned sons and grandsons include Itomichi J1158, Kitaguni 7-8 and Itozurudoi TF151.

3510A's dam LMR Ms Kitaguni 8168U is an 8-year-old elite female and an excellent donor to the Lone Mountain herd. In 8 flushes, 64 viable embryos were recovered. Seventeen offspring have been born to date that include some amazing carcass progeny: one of those steers (halfsib of 3510A) is pictured at right (3456A). Ten of her daughters have been retained in the Lone Mountain breeding program – one of whom is in the sale: 3510A's half-sib LMR Ms Hiroshi 2331Z as Lot #74. 8168U BREEDPLAN figures show us she has a very low Birth Weight EBV with the highest band recorded (-3.9) and a top 10% ranking for Marble Score (+0.8).

3510A's BREEDPLAN figures are an impressive set of performance figures: in particular low Birth Weight EBV (-2.5), Fat EBVs (Rib: +1.6; Rump: +1.3) and a FTI\$ Index (+218) all rank in the top 10% - and a top 1% rank for Marble Score EBV (+1.3). With both carcass fat EBVs positioned in a high band would indicate a strong relationship to finishing ability, early maturity, and improvement in fertility (increased cycling prevalence).

3510A is confirmed bred to WKS Sanjirou (grandson of Monjiro) and due in July. 3510A was also pasture-exposed to LMR Kurosawa 5301C (grandson of WKS Sanjirou) and Bar R Sanjirou 4P and LMR Shunichi 5339C (both grandsons of WKS Michifuku) – but after ultrasound pregnancy check, we are convinced that the calf will be a Sanjirou calf.

3510A has been tested free for all known Wagyu genetic defects. SCD: VV. Tenderness: 4.

LMR MS ICHIBAN 4248B



registration no. FBB19592

birthdate 04/21/2014

scd AA ten 10

 2017 March WAGYU Group BREEDPLAN based on over 60,000 sires and dams plus progeny analyzed

100

sire LMR ICHIBAN 810T

WORLD K'S MICHIFUKU WORLD K'S NAKAZAKURA

dam LMR MS SANJIROU 767T

WORLD K'S SANJIROU WORLD K'S NAKAZAKURA

GROUP	TAJIMA	KEDAKA	TOTTORI	ITOZAKURA	SHIMANE	OKAYAMA	HIROSHIMA	OTHER
C	51.6%	1.6%	1.6%	26.6%	9.4%	1.6%	1.6%	6.3%

	EBV	TRAIT	EBV	ACC	EBV perce	ntiles for 4248B
	+1.0	birth weight (kg)	+3.4	60%	«HEAVIER	
	+10	200-day Wt (kg)	+12	52%		HEAVIER»
3VS	+15	400-day Wt (kg)	+19	52%		HEAVIER»
BREED Avg. EBVs 2015 born calves	+19	600-day Wt (kg)	+23	51%		HEAVIER»
DAN	+1	milk (kg)	-5	43%	«LOWER	
201	+0.7	eye muscle area (sq.cm)	+3.7	43%		LARGER>
	+0.0	marble score (%)	0.0	48%	«LOWER	
	+0.00	marble fineness (%)	0.00	46%	«LOWER	
	\$121	fullblood feedlot index	\$42		«LOWER	

LMR MS ICHIBAN 4248B is one of only 3 females on offer today that are graded AA 10 (SCD, Tenderness). A rare opportunity. 4248B is an exceptional daughter of Lone Mountain's, LMR Ichiban 810T, a full brother of LMR Kenichi 807T, both sired by WKS Michifuku. Half-sib of 4248B, sired by Michifuku, is shown at right (4337B).

810T's dam, WKS Nakazakura, was born in Japan in 1994 - she was the daughter of WKS Nakagishi 5 and both were imported to the US by Mannett that same year - Nakazakura's sire, Itomichi J1158 was left behind in the Mother Country. Nakazakura's pedigree is worth a deeper look: her sire, Itomichi J1158 also sired Itomichi 1-2 and was a very influential sire in Takeda-san's herd (being the patriarch of a line of cows that produced Itoshigenami TF148, Itohana 2, Mitsuhikokura TF149 and many others). Nakazakura's paternal grandsire was Dai 7 Itozakura whose genetics are widely represented in the West by the progeny of



4337B MICHIFUKU XTF147 - 43.69% IMF

his sons: Itofuji J483 (Itoshigefuji TF147), Kitaguni 7 / 8 (WKS Kitaguni Jr), Itohana J809 (TF Itohana 2 and TF Kikuhana), and Itokitazuru J1081 (Itozuru-Doi TF151). Nakagishi 5, Nakazakura's dam, was sired by Kenryu J1905, of the Dai 2 Kedaka line (Shimane Prefecture), classified Kurogen – all of which represents a veritable who's who of contemporary Wagyu.

4248B has solid breeding behind her with **WKS Michifuku** as her paternal grandfather and **WKS Sanjirou** (**Michifuku's** son) as her maternal grandfather. The result of this half-sib mating: a brilliant Monjiro linebred female. To top off this extraordinary females credentials, **4248B** is ranked in the top 5% of the Wagyu breed for Ribeye Area (REA) EBV (+3.7).

4248B is confirmed pregnant, and due by sale day, having been pature exposed to **LMR Yasumasa 2428Z**, one of Lone Mountain's premiere **Yasufuku Jr** sires. She was also Al'd to **WKS Yasufuku Jr** – but it is our strong belief that the calf will be a **2428Z** calf due to the timing of the Al. A **Yasufuku** son out of a **Sanjirou** dam is pictured at right (**9339W**).

4248B will sell open, with calf-by-side, ready to flush or breed by summer's end or early fall.

4248B is free by pedigree for all known Wagyu genetic defects. As previously mentioned, her SCD and Tenderness result is the highest possible: **AA 10**. Note that AA is the preferred result of SCD testing and is akin to being identified as the softer, higher melting point fat.

Lor

LMR MS ITOMICHI 1/2 1237Y



registration no. FBB12389

birthdate 06/23/2011

scd VA ten 4

2017 March WAGYU Group BREEDPLAN based on over 60,000 sires and dams plus progeny analyzed

sire TF ITOMICHI 1-2

ITOMICHI DAI 2 KINTOU

BAR R SANJIROU 4P BARR MISS 24H

GROUP	TAJIMA	KEDAKA	TOTTORI	ITOZAKURA	SHIMANE	OKAYAMA	HIROSHIMA	OTHER
				27.0%	1	5.1%	6.3%	0.0%

	EBV	TRAIT	EBV	ACC	EBV percent	iles for 1237Y
	+1.0	birth weight (kg)	+2.2	79%	«HEAVIER	
	+10	200-day Wt (kg)	+9	70%	LIGHTER	K
SNS SNS	+15	400-day Wt (kg)	+13	71%	LIGHTER «	
2015 born calves	+19	600-day Wt (kg)	+20	68%		» HEAVIER
DA	+1	milk (kg)	+4	59%		HIGHER>
201	+0.7	eye muscle area (sq.cm)	-2.2	55%	«SMALLER	
1	+0.0	marble score (%)	+0.5	56%		LARGER»
	+0.00	marble fineness (%)	+0.15	54%		HIGHER »
	\$121	fullblood feedlot index	\$169			HIGHER >

LMR MS ITOMICHI 1/2 1237Y is a 6 year-old-cow bred by a Takeda icon TF Itomichi 1-2. TF Itomichi 1-2's grandsire is Dai 7 Itozakura J65. His mother, Dai 2 Kintou, and grandmother, Ezokintou 1A, are high-grade cows of the Haraharashu line. His great-grandmother, Ezokintou J11961, was awarded Grand Prize at the third Zenkyo (All- Japan Wagyu) competition. The Dai Ni Kinto line is known for producing consistently large, quality beef. Itomichi 1-2 has been used to increase mature size and growth rate without reducing marbling.

1237Y has a textbook Tajima pedigree: Itomichi J1158 as her paternal grandfather (son of Dai 7 Itozakura) and a Lone Mountain legend, Bar R Sanjirou 4P, as her dam sire. The "Fujiyoshi" lineage of Dai 7 Itozakura shows just how important frame size, growth and docility are to this breed.

1237Y's dam, LMR Ms Sanjirou 4P 714T, was an exceptional Lone Mountain female who served the herd well until she was sold in 2014. As a Michifuku line daughter she was in our donor program and produced some excellent embryos. She was a well-balanced individual that was deserving of the carcass performance figures attributed to her: top 1% of the breed for Ribeye Area EBV

714T produced 7 calves during her tenure at Lone Mountain – one of them, half-sib to 1237Y, is pictured at right (2373Z).

1237Y is currently in her 2nd trimester and due to calve July to the notable World Ks bull WKS Sanjirou. She was also exposed to Bar R Sanjirou 4P, LMR Kurosawa 5301C and LMR Shunichi 5339C – but it is our strong belief, after an ultrasound pregnancy check, that the calf will be a Sanjirou calf.

1237Y is free by pedigree for all known Wagyu genetic defects. SCD: VA. Tenderness: 4.



2373Z KITAGUNI JR X SANJIROU 4P - 39.54% IMF

LMR MS KITAGUNI 5139C



registration no. FBB20162

birthdate 04/01/2015

scd AA ten 9

 2017 March WAGYU Group BREEDPLAN – based on over 60,000 sires and dams plus progeny analyzed

LIGHTER >

sire WORLD K'S KITAGUNI JR.

KITAGUNI 7/8 WORLD K'S NAKAYUKI

dam LMR MS YASUFUKU 1259Y

WORLD K'S YASUFUKU JR LMR MS SANJIROU 767T

GROUP	TAJIMA	KEDAKA	TOTTORI	ITOZAKURA	SHIMANE	OKAYAMA	HIROSHIMA	OTHER
C	53.5%	6.6%	0.4%	19.1%	8.6%	6.6%	0.4%	4.7%

	EBV	TRAIT	EBV	ACC	EBV percen	tiles for 5139C
T	+1.0	birth weight (kg)	-2.5	76%		
	+10	200-day Wt (kg)	-9	69%	«LIGHTER	
375	+15	400-day Wt (kg)	-12	64%	«LIGHTER	
BREED Avg. EBVs 2015 born calves	+19	600-day Wt (kg)	-19	63%	«LIGHTER	
DA	+1	milk (kg)	-7	52%	«LOWER	
BREE	+0.7	eye muscle area (sq.cm)	+1.5	48%		LARGER»
	+0.0	marble score (%)	+0.8	49%		HIGHER»
	+0.00	marble fineness (%)	+0.05	46%	«LOWER	
	\$121	fullblood feedlot index	\$101		« LOWER	

LMR MS KITAGUNI 5139C is a 2 year old heifer sired by WKS Kitaguni Jr. Kitaguni Jr is a valuable son of Kitaguni 7-8 J1530 and a grandson of Dai 7 Itozakura J65, born in 1994. The Dai 7 Itozakura line, begun in 1970, is derived from Fujiyoshi cattle in Okayama Prefecture and known widely for frame size, good weight gain and gentle nature. Dai 7 Itozakura J65 was so famous, in fact, that his picture was placed on a Japanese telephone card.

Bulls like **Kitaguni 7-8** and many of his half sibs (**Itomichi J1158**, **Itozurudoi TF151**, **Itohana J809**, **Itofuji J483**, etc.) were crossed with highly marbling cows; these **Itozakura** line bulls enhanced growth. Then when the female progeny are mated back to high marbling **Tajima** bulls, the results are larger framed animals that marbled extremely well. This rotation-breeding plan is known as **Modashi Kohai** in Japan. **Kitaguni's Jr** dam, **WKS Nakayuku J13943**, was sired by **Koufuku J2132** (son of **Yasuyukido 875** and great-great grandson of **Tajima 105**). **Yasuyukido 875** also was the sire of a highly regarded bull **Morifuji**.



4293B KIT X YAS/SANJIROU - 40.39% IMF

5139C's dam sire is **WKS Yasufuku Jr** (son of the **Yasufuku J930**). In the Japanese 2001 Sire Evaluation Report, **Yasufuku J930** is listed as the sire of the three highest marbling sires in Japan: number one, **Yasufuku 165-9**; number two, **Fukusakae**; and number three, **Yasuhira**.

5139C's dam, **LMR Ms Yasafuku 1259Y**, is a 6-year-old cow in the prime of her life and an important contributor to the Lone Mountain breeding program. Her carcass BREEDPLAN figures are impressive. She is in the top 5% of the breed for ribeye EBV (+4.0) and her rump fat EBV (+1.6) places her in the top 10% of the breed.

5139C BREEDPLAN figures position her in the top 1% of the breed for Birth Weight EBV (-2.5) and her Marble Score EBV (+0.8) ranks her in the top 10%. A half-sib to **5139C** is pictured at right (**4293B**).

5139C is confirmed bred to Itoshigenami TF148 and due in July. She was also covered by LMR Aoichi 2468Z, LMR Yoshihiro 4335B and LMR Tensai 5359C (all sons of Itoshigenami TF148) - but after ultrasound pregnancy check, we are convinced that the calf will be a TF148 calf.

5139C has been tested free for all known Wagyu genetic defects. **5139C**'s **SCD result is AA** (identified with softer, higher melting point fat) and a **Tenderness Score of 9**. If **5139C** is mated to an AA sire with a high Tenderness Score (8, 9 or 10), we would anticipate a decent possibility of her producing a perfect **AA 10** calf.

LMR MS YASUFUKU 2393Z



registration no. FBB14543

birthdate 08/28/2012

scd AA ten 5

2017 March WAGYU Group BREEDPLAN based on over 60,000 sires and dams plus progeny analyzed

sire WORLD K'S YASUFUKU JR

YASUFUKU J930 KANEKO 5

dam LMR MS ITOSHIGEFUJI 9202W

ITOSHIGEFUJI TF147 BR MS MICHI-8614 2660

GROUP	TAJIMA	KEDAKA	TOTTORI	ITOZAKURA	SHIMANE	OKAYAMA	HIROSHIMA	OTHER
C	54.4%	8.8%	1.3%	21.9%	0.0%	8.2%	0.8%	4.7%

	EBV	TRAIT	EBV	ACC	EBV percentiles	for 2393Z
	+1.0	birth weight (kg)	-0.6	67%		LIGHTER»
	+10	200-day Wt (kg)	+2	64%	«LIGHTER	
8Vs es	+15	400-day Wt (kg)	+4	63%	«LIGHTER	
BREED Avg. EBVs 2015 born calves	+19	600-day Wt (kg)	+5	61%	«LIGHTER	
D A	+1	milk (kg)	-3	58%	«LOWER	
BRE	+0.7	eye muscle area (sq.cm)	-0.2	54%	«SMALLER	
1	+0.0	marble score (%)	-0.1	60%	«LOWER	
	+0.00	marble fineness (%)	-0.09	58%	«LOWER	
	\$121	fullblood feedlot index	-\$9		« LOWER	

LMR MS YASUFUKU 2393Z is a 4-year-old sired by WKS Yasufuku Jr. Yasufuku Jr is the #1 Sire in the 2017 LMCC Sire Performance Study, averaging 32.96% IMF with 32 carcasses imaged and data calculated by Dr. Kuchida's software program. Yasufuku Jr is also the leading IMF Dam Sire in the same study with an average 34.11% IMF based on 35 carcasses.

Yasufuku Jr is the son of Yasufuku J930; linebred to Yasumi Doi J10328. In the Japanese 2001 Sire Evaluation Report, Yasufuku J930 is listed as the sire of the three highest marbling sires in Japan: number one, Yasufuku 165-9; number two, Fukusakae; and number three, Yasuhira. Offspring of Yasufuku J930 produced one carcass that sold at auction for \$97,000 at the 2007 All-Japan Wagyu Competition. Kenichi Ono considers Yasufuku Jr's sire, Yasufuku J930, to be the very best of Wagyu in all of Japan - and says, "There is only one Yasufuku and Shigeshigenami".



4203B SANJIROU X TF147 - 36.85% IMI

2393Z has an impressive family line, with Takeda's gentle giant Itoshigefuji TF147 (grandson of Dai 7 Itozakura) as her dam sire. TF147 is extremely large for a Fullblood Wagyu. He is a linebred son of Itofuji and his dam, Dai 30 Noboru, is a direct descendant of the famous cow family Takenotanitsruru that can be traced back over 300 years. TF147 offspring have a reputation for being gentle, well-balanced individuals that have excellent growth rates, feed conversion, and ideal terminal (F1) production with excellent weaning weight averages.

2393Z's dam, LMR Ms Itoshigefuji 9202W, is an 8-year-old excellent donor for the Lone Mountain breeding program. Of the 9 offspring born to date 2393Z is the only female, all the rest were males that went on to produce impressive carcass progeny for the Lone Mountain meat program. One of those steers (a half-sib of 2393Z) is pictured at right (4203B).

2393Z's own BREEDPLAN figures are an impressive set of performance figures with the remarkable Rump Fat EBV (+2.3) that sits near the top 1% of the breed and Birth Weight EBV (-0.6) and Rib Fat EBV (+1.0) ranking her in the top 10%.

2393Z is confirmed bred to Yasutani TF1012 (Grandson of Itoshigenami TF148 and showing a double-cross of Kimifuku and due in July. 2393Z was also pasture exposed to LMR Aoichi 2468Z, LMR Yoshihiro 4335B and LMR Tensai 5359C (all sons of TF148) – but after ultrasound pregnancy check, we were convinced that the calf will be a TF1012 calf.

2393Z has been tested free for all known Wagyu genetic defects. SCD: AA. Tenderness: 5.

LMR MS SENSEI 2332Z



registration no. FBB13698 birthdate 04/04/2012 scd VA ten 5 ITOZURU DOI TF151 sire LMR SENSEI 817T CF 503 HIRASHIGETAYASU J2351 dam LMR MS HIRASHIGETAYASU 9318W BR MS TAK-0606 4622 TAJIMA KEDAKA TOTTORI ITOZAKURA SHIMANE OKAYAMA HIROSHIMA 46.3% 16.5% 3.4% 19.1%

	EBV	TRAIT	EBV	ACC	EBV percent	iles for 2332Z
T	+1.0	birth weight (kg)	+1.0	75%	HEAVIER «	
	+10	200-day Wt (kg)	+9	66%		≫ HEAVIER
SVS	+15	400-day Wt (kg)	+17	65%		HEAVIER >>
BREED Avg. EBVS 2015 born calves	+19	600-day Wt (kg)	+22	61%		HEAVIER >>
Borr	+1	milk (kg)	+4	49%		HIGHER»
SEE.	+0.7	eye muscle area (sq.cm)	+0.8	44%		> LARGER
	+0.0	marble score (%)	+0.4	41%		» HIGHER
	+0.00	marble fineness (%)	+0.23	39%		HIGHER»
	\$121	fullblood feedlot index	\$144			» HIGHER
				100	1	50

2017 March WAGYU Group BREEDPLAN based on over 60,000 sires and dams plus progeny analyzed

LMR MS SENSEI 2332Z is a 5-year-old sired by **LMR Sensei 817T. 817T** is a son of the highly regarded **Itozurudoi TF151**. **TF151**, grandson of **Dai 7 Itozakura**, ranks in the top 1% for Marble Fineness (+0.55), is a Trait Leader for the breed and in the top 3% for Rump Fat, and in the top 7% for Mature Weight EBV (+38) and Milk EBV (+6).

817T's dam sire, **Itoshigenami TF148**, is from the **Shigeshigenami** family, which is known for extremely potent marbling genes - and is used to induce maternal traits while enhancing carcass quality. In fact, **TF148** has an astounding Fullblood Feedlot Index of +\$348 ranking him in the top 1% of Fullblood Wagyu sires calculated by BREEDPLAN and +1.7 EBV for Marbling ranking him in the top 1% - he is the 3rd highest sire tested.

817T has Marble Fineness EBV of +0.36, and Rib Fat EBV of +1.4 ranking him on both counts in the top 3% of the BREEDPLAN calculated Fullblood Wagyu sires. **817T** also shows a Milk EBV of +6, ranking him in the top 7%. **817T** is a Group "C" Sire.

2332Z's dam **LMR Ms Hirashigetayasu 9318W**, is an 8 year old, sired by **Hirashigetayasu ETJ001**, and still going strong in the Lone Mountain herd with 4 of her daughters retained in the Lone Mountain breeding herd. Another of her daughters, a half-sib of **2332Z**, **LMR Ms Haruki 3452A**, sells as Lot #84. **9318W's** strength is in her disposition as having good maternal ability, and good growth and carcass traits.

2332Z has highly sought after breeding behind her, with Itozurudoi TF151 as her paternal grandfather (grandson of Dai 7 Itozakura) and the famous Westholme sire Hirashigetayasu ETJ 001 as her maternal grandfather (grandson of Dai 20 Hirashige). Having "Itozakura" and "Kedaka" influence sets a balance between growth and carcass.

2332Z BREEDPLAN figures have her positioned her in the top 20% for Milk EBV (+4.0), in the top 5% Rib Fat EBV(+1.3), in the top 15% for Marble Fineness (+0.23) and in the top 20% for Marble Score EBV (+0.4).

2332Z sells open and ready to breed or flush.

2332Z is free by pedigree for all known Wagyu genetic defects. SCD: VA. Tenderness: 5.

100

LMR YOJIMBO 5335C

Lo



registration no. FBB20804 birthdate 23/06/2015 scd AA ten 5 2017 March WAGYU Group BREEDPLAN based on over 60,000 sires and dams plus progeny analyzed TRAIT EBV percentiles for 53350 ACC BAR R FUKUTSURU 36H sire LMR YOJIMBO +1 birth weight (kg) -0.3 76% **BR MS YASUFUKU 0609** +10 200-day Wt (kg) +4 69% **«LIGHTER** 400-day Wt (kg) +7 62% **«LIGHTER** EBVS +15 +19 600-day Wt (kg) +8 61% **«LIGHTER** ITOZURUDOI TF151 BREED Avg. dam LMR MS ITOZURUDOI 8101U milk (kg) 47% **«IOWER** +1 -2 CF 503 +0.7eye muscle area (sq.cm) +1.9 41% LARGER > marble score (%) +0.646% HIGHER > TAJIMA KEDAKA TOTTORI ITOZAKURA SHIMANE **OKAYAMA** marble fineness (%) HIGHER X +0.2743% 65% 16% 4% 2% fullblood feedlot index HIGHER» \$149

LMR YOJIMBO 5335C is a 21-month-old whose pedigree and SCD/Tenderness marks speak volumes. He was sired by the highly regarded Lone Mountain champion, Fukutsuru-bred sire LMR Yojimbo 6345. LMR Yojimbo 6345 was the sale topper at the first Lone Mountain Fullblood Wagyu Production Sale: \$35,000. He is currently ORIgen's top selling Wagyu sire. 6345 has outstanding pedigree credentials: Fukutsuru 068 (#1 Marbling Sire in US Wagyu Sire Summary) and Yasufuku J930 – whose name appeared in the pedigrees of all three winners and three runners-up in the 2001 All-Japan Wagyu Competition (Zenkyo).

Yojimbo 634S's dam, BR Ms Yasufuku 0609, is one of Lone Mountain's top donors - producing 19 calves - and sired by Lone Mountain's highest ranking Dam Sire, Yasufuku Jr – with an average 32.96% IMF based on 32 actual carcass images. Yojimbo is ranked #4 Sire in the Sire Performance Study for IMF% (30.58% based on 16 images), right behind TF148 – and is ranked #4 Sire for Marbling Fineness (30.12). In BREEDPLAN numbers, Yojimbo ranks in the top 1% of FB Wagyu (outside Japan) for both Ribeye Area (+4.6) and Rump Fat (+2.4), and in the top 3% for Rib Fat (+1.5). Yojimbo graded a Frame Score of 5 before his death from cancer in April 2016. When Greg Gibbons, the eminent AACo breeding and feeding expert, visited the ranch in 2006 he singled out **0609** as "the best of LMCC's breeding herd".

5335C has a world-class pedigree behind him with Itozurudoi TF151 as his dam sire. TF151has an extremely big frame, weighing 2,420 lbs, and carries early maturing traits that produce great Fullblood mothers with excellent milk, and is the best marbling bull of the Fujiyoshi bloodlines.

5335C's dam LMR Ms Itozurudoi 8101U is a 9-year-old with a positively regal Takeda pedigree: TF148 over TF151. She is a prolific donor for the Lone Mountain breeding program. In just 5 flushes, we have recovered 43 viable embryos, and she has produced over 18 offspring. Five of her daughters are active in the current breeding program. In our meat program 8101U has produced offspring that have been fed out and slaughtered with measured IMF images of mid-30s. 8101U's BREEDPLAN figures have her ranked in the top 1% for Marble Fineness EBV (+0.35); in the top 10% for Carcass Fat EBVs (+1.0 & +1.8, respectively); and Marble Score EBV (+0.7) in the top 15% of the breed outside Japan.

5335C's own BREEDPLAN figures have him ranked in the top 3% of the breed outside Japan for both Rump Fat EBV (+2.1), and Marble Fineness EBV (+0.27). These are obviously figures based solely on pedigree and we anticipate all the carcass traits to ascend as his calves hit the rail. He is currently a virgin bull, ready and raring to go to work.

5335C has been tested free for all known Wagyu genetic defects. On top of carrying a double copy of the SCD gene, 5335's Tenderness Score is 5, which means that he is capable of producing AA progeny with high Tenderness scores when mated with AA females with an elevated Tenderness Score.

LMR MS SANJIROU 5333C



registration no. FBB20655

birthdate 06/22/2015

scd AA ten 9

 2017 March WAGYU Group BREEDPLAN based on over 60,000 sires and dams plus progeny analyzed

sire WORLD K'S SANJIROU

WORLD K'S MICHIFUKU WORLD K'S SUZUTANI

dam BR MS YASUFUKU JR 1601

WORLD K'S YASUFUKU JR BR MS KIKUHANA 8620

GROUP	TAJIMA	KEDAKA	TOTTORI	ITOZAKURA	SHIMANE	OKAYAMA	HIROSHIMA	OTHER
D	81.3%	0.8%	0.0%	12.5%	0.8%	1.6%	70.70	3.1%

	EBV	TRAIT	EBV	ACC	
BREED Avg. EBVs 2015 born calves	+1.0	birth weight (kg)	-0.6	76%	
	+10	200-day Wt (kg)	-4	70%	«LIGHTER
	+15	400-day Wt (kg)	-6	66%	«LIGHTER
	+19	600-day Wt (kg)	-8	65%	«LIGHTER
	+1	milk (kg)	-11	55%	«LOWER
	+0.7	eye muscle area (sq.cm)	+5.5	56%	
	+0.0	marble score (%)	+0.7	63%	
	+0.00	marble fineness (%)	+0.08	62%	
					-

\$121 fullblood feedlot index

EBV percentile	s for 5333C
	LIGHTER »
«LIGHTER	
«LIGHTER	
«LIGHTER	
«LOWER	
	LARGER >>
	HIGHER »
«LOWER	
IOWER «	

LMR MS SANJIROU 5333C is 21-month-old sired by **WKS Sanjirou**. **Sanjirou** has the potential to become one of the most influential sires of the **Tajima** line, having great meat quality, large ribeye area, thick rib and high yields. In the 2006 U.S. Wagyu Sire Summary, **Sanjirou** ranks 3rd highest in marbling, behind **Fukutsuru 068**, but ahead of his sire, **Michifuku**. **Sanjirou** has the potential to become one of the most influential sires of the Tajima line, having great meat quality, large ribeye area, thick rib and high yields.

In the 2017 LMCC Sire Performance Study, **Sanjirou** ranks 5th based on 14 imaged carcasses (30.15%) but it should be noted that there was less than 1% difference in IMF% between #3, #4 and #5 sires (**TF148** and **Yojimbo** were 3rd and 4th). Similarly, **Sanjirou** in that same study, was ranked #5 Sire for REA, but it should be noted that less than 0.06"² REA separated him from the #2 sire, **LMR Masahiko 1250Y. Sanjirou's** son, **Bar R Sanjirou 4P**, was ranked #3 as Dam Sire for both IMF% (30.50% with 16 images studied) and REA (14.33"²).

Sanjirou is a linebred Yasumi Doi J10328 bull. Yasumi Doi J10328 sired Yasutanidoi J472 and grandsired



4273B KITAGUNI X YASUFUKU 1601 39.57% IMF

both **Fukutsuru 068** and **Yasufuku 930**. **Sanjirou** is out of the prominent Japanese cow **Suzutani**, who represents one of the most potent bloodlines in Japan. Her great-grandsire, **Yasumi Doi J10328**, is widely known for his ability to produce excellent meat quality and size. **Suzutani's** sire was **Tanishige 1526**, whose progeny test results demonstrate that he has heritable traits with a BMS score +3.1 (above the national average of +2.1) and a yield grade of 72.7 percent.

5333C's dam **BR Ms Yasufuku Jr 1601** is a 16-year-old who has provided 19 offspring to the Lone Mountain breeding program. Her carcass progeny continues to improve harvest after harvest with impressive IMF data nearing 40%. One of those progeny (**4273B**) is pictured at right. Her BREEDPLAN figures are impressive with Birth Weight EBV (-2.1) in the top 1% and Marble Score EBV (+0.7) in the top 15% for the breed.

5333C has a terrific carcass pedigree, with **WKS Yasufuku Jr** as her dam sire. **Yasufuku Jr** traces **Yasumi Doi J10328** in his pedigree three times and his dam sire was **Monjiro 11550**. **Yasufuku Jr**, in the 2017 LMCC Sire Performance Study, ranked as the #1 IMF% and Marble Fineness Dam Sire with 35 images studied. Time and again the Japanese breeding philosophy paid off because they cultivated those important traits that were most dominant in bulls like **Tajima J105**.

5333C BREEDPLAN figures are outstanding: Ribeye Area EBV (+5.5) and Retail Beef Yield EBV (+1.7) are in the top 1% of the breed outside Japan. Even her Marble Score EBV (+0.7) has her ranked in the top 15%.

5333 sells open and ready to breed or flush.

5333C has been tested free for all known Wagyu genetic defects. SCD: AA. Tenderness: 9.

5333C's **SCD result is AA** (identified with softer, higher melting point fat) and **Tenderness Score of 9** (with 10 the highest result possible). If **5333C** is mated to an AA sire with a high Tenderness Score (8, 9 or 10), we would anticipate a good possibility of her producing a perfect **AA 10** calf.

LMR MS KITAGUNI 3410A



registration no. FBB15675

birthdate 03/14/2013

scd VA ten 4

2017 March WAGYU Group BREEDPLAN based on over 60,000 sires and dams plus progeny analyzed

sire WORLD K'S KITAGUNI JR.

KITAGUNI 7/8 WORLD K'S NAKAYUKI

dam LMR MS SHIGESHIGETANI 9226W

WORLD K'S SHIGESHIGETANI BR MS MICHI-8614 2660

GR	OUP	TAJIMA	KEDAKA	TOTTORI	ITOZAKURA	SHIMANE	OKAYAMA	HIROSHIMA	OTHER
					12.5%			2.3%	3.9%

	EBV	TRAIT	EBV	ACC	EBV percent	iles for 3410A
	+1.0	birth weight (kg)	-0.8	66%		LIGHTER »
	+10	200-day Wt (kg)	-2	61%	«LIGHTER	
375	+15	400-day Wt (kg)	-3	59%	«LIGHTER	
BREED Ave	+19	600-day Wt (kg)	-6	58%	«LIGHTER	
	+1	milk (kg)	-5	56%	«LOWER	
	+0.7	eye muscle area (sq.cm)	-0.3	47%	« SMALLER	
	+0.0	marble score (%)	+0.8	46%		HIGHER»
	+0.00	marble fineness (%)	+0.07	42%	«LOWER	
	\$121	fullblood feedlot index	\$126			» HIGHER
					100	50 0

LMR MS KITAGUNI 3410A is a 4-year-old sired by WKS Kitaguni Jr. Kitaguni Jr is a valuable son of Kitaguni 7-8 J1530 and a grandson of Dai 7 Itozakura J65. The Dai 7 Itozakura line, begun in 1970, is derived from **Fujiyoshi** cattle in Okayama Prefecture and known widely for frame size, good weight gain and gentle nature. In the 2017 LMCC Sire Performance Study, **Kitaguni Jr** is the #2 Sire, based on 55 carcasses, for both IMF (31.71%) and Marble Fineness (30.16) – and he ranks 2nd as Dam Sire based on 11 carcasses for IMF (32.49%), following only Yasufuku Jr.

3410A has an exceptional marbling pedigree with the World Ks bull WKS Shigeshigetani as her sire. Shigeshigetani is Sanjirou's half-brother, but more closely bred than most half-siblings: Shigeshigetani's dam is Suzutani, Sanjirou's dam. And Shigeshigetani's sire is Haruki II (halfbrother of Michifuku) both sired by the same bull, Monjiro 11550. Suzutani's dam sire was Shigeshigenami J10632, and her maternal grandsire was Shigekanenami, the bull that made the **Kumanami** line famous. The **Kumanami** family is known to have extremely potent marbling genes. (There are three key families in the Tajima line: Nakadoi, Okudoi and Kumanami).



2315Z KITAGUNI X SHIGESHIGETANI 36.27% IMF

3410A's dam LMR Ms Shigeshigetani 9226W is an excellent donor – we have recovered 85 viable embryos in only 6 flushes – who is in the prime of her breeding life, producing 20 calves in her for Lone Mountain so far. Nine of her daughters are active in the current breeding program, three of whom are in the sale in addition to 3410A: LMR Ms Shichiro 5509C as Lot #41, LMR Ms Kitateruyasudoi 5105C as Lot #28, and full-sib LMR Ms Kitaguni 3404A as Lot #43. 9226W also produced one very promising young bull, LMR Harukichi 5106C, whom we have recently added to our herd bull battery and Al sire listing. 9226W's carcass progeny have produced some remarkable marbling data in the top end of 30% range. A full-sib of 3410A is pictured at right (2315Z).

3410A's own BREEDPLAN figures are well balanced. Her low Birth Weight EBV (-0.8) positions her almost in the top 5% of the breed and her exceptional Marble Score EBV (\pm 0.8) has her in the top 10% for the breed outside Japan. **3410A**'s daughter, **LMR Ms** Masahiko 5361C, sells as Lot #30.

3410A is confirmed bred by Al to LMR Hiroyuki 3492A (son of WKS Yasufuku Jr) and due in November. She was also pastureexposed to LMR Masahiko 1250Y (also a son of Yasufuku J930) – but after ultrasound pregnancy check, we are convinced that the calf will be a Hiroyuki 3492A calf.

3410A is free by pedigree for all known Wagyu genetic defects. SCD: VA. Tenderness: 4.

LMR MS MICHIFUKU 3426A



registration no. FBB15688

birthdate 03/26/2013

scd AA ten NR

 2017 March WAGYU Group BREEDPLAN based on over 60,000 sires and dams plus progeny analyzed

sire WORLD K'S MICHIFUKU

MONJIRO 11550 MICHIKO 655635

dam LMR MS FUKUTSURU 36H 721T

BAR R FUKUTSURU 36H BAR R 3P

GROUP	TAJIMA	KEDAKA	TOTTORI	ITOZAKURA	SHIMANE	OKAYAMA	HIROSHIMA	OTHER
В	86.6%	1.2%	0.0%	6.2%	0.4%	2.3%	1.2%	2.0%

	EBV	TRAIT	EBV	ACC	EBV percentiles for 3426A		
	+1.0	birth weight (kg)	-0.0	76%		LIGHTER >>	
8REED Avg. EBVs 7015 born calves 7015 born calves +10 +11 +0.7	200-day Wt (kg)	-1	70%	«LIGHTER			
	+15	400-day Wt (kg)	+1	66%	«LIGHTER		
	+19	600-day Wt (kg)	-2	66%	«LIGHTER		
DAN	+1	milk (kg)	-10	-10 59% «LOWER			
+0.0	+0.7	eye muscle area (sq.cm)	+5.6	56%		LARGER	2
	+0.0	marble score (%)	+0.5	63%		HIGHER>	
	+0.00	marble fineness (%)	+0.18	62%		HIGHER	
	\$121	fullblood feedlot index	\$95		LOWER «		

LMR MS MICHIFUKU 3426A is a 4-year-old cow sired by WKS Michifuku. Michifuku is thought to be the best carcass bull ever to leave Japan. Michifuku's sire, Monjiro 11550, is line-bred to Tajima J105, great-grandsire of Yasumi Doi J10328. Michifuku's dam, Michiko J655635, was sired by Tanishige 1526 and grandsired by Yasutanidoi J472. Yasumi Doi J10328 and Yasutanidoi J472 are considered to be two of the most famous of the Tajima/ Tajiri line. Yasumi Doi J10328 sired Yasutanidoi J472, as well as Dai 2 Yasutsuru 774, sire of Fukutsuru 068. Yasumi Doi J10328 also grandsired Yasufuku 930, sire of Yasufuku Jr and grandsire of Takazakura. Yasumi Doi J10328 appears twice in Michifuku's pedigree. This lineage supports Michifuku's high standing.

Bar R Fukutsuru 36H (a son of **JVP Fukutsuru 068**) is **3426A**'s dam sire. **JVP Fukutsuru 068** has, for many years, been the top Marbling Sire in the US Wagyu Sire Summary, published by Washington State University (WSU).



8183U SHIGE X MICHIFUKU - 43.10% IMF

3426A's dam, **LMR Ms Fukutsuru 36H 721T**, is a 10-year-old cow who continues to be an important contributor to the Lone Mountain breeding program. She has had 7 progeny to her name and 2 of her daughters have been retained in the Lone Mountain breeding program. Another daughter and half-sib to **3426A**, **LMR Ms Aoichi 5182C** sells as Lot #63. **721T's** carcass BREEDPLAN figures are impressive: She is in the top 5% of the breed for Retail Beef Yield EBV (+0.9) and Rib Eye EBV (+3.7) and in the top 10% of the breed for Birth Weight EBV (-0.7).

BREEDPLAN figures rank **3426A** in the top 1% for Ribeye Area EBV (+5.6) and in the top 5% of the breed of the breed outside Japan for Retail Beef Yield EBV (+1.1) - a shining light for her unmistakable carcass performance.

3426A sells open and ready to breed or flush. An example of Michifuku as dam sire is pictured at right (8183U).

3426A is free by pedigree for all known Wagyu genetic defects. SCD: AA. Tenderness: NR.