



MEATMASTER GENETIC REPORT

21 September 2026



SATIVA STUD

FDM : SATM



CERTIFICATE
OF QUALITY

Valid up to
October 2029

 **SA** STAMBOEK
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'n Storie met twee kante

General Information

This **Genetic Report** of your flock enables you to determine the genetic merit and potential of the animals in your herd relative to that of the breed. An animal's performance is determined by two factors, namely the environment and genetics. Good nutrition and management can improve performance, but an animal cannot perform better than its genetic potential. Superior performance due to the environment cannot be carried over to the next generation. It is therefore extremely important not to neglect genetic progress of your flock. Due to the interaction between environment and genetics, it is difficult to identify genetically superior animals on performance data. Estimated Breeding Values (EBVs) are therefore predicted for every animal to determine its genetic potential, as well as its worth as a parent for the next generation. Through the use of EBVs, animals can be compared fairly **within the breed**, therefore across herds, years and production systems. Results presented in this report allow the breeder to identify the underlying genetics of the animals.

Genetic parameters

Genetic parameters (heritability and genetic correlations) are estimated on a breed-basis and are required for the prediction of breeding values. The **heritability** refers to the portion of the variation of a trait in a population that is due to transferrable genetics (the rest of the variation can be attributed to the environment and non-transferrable genetics). Some traits are genetically correlated, which means that a change in one trait will lead to changes in other traits. The strength of this association amongst traits is referred to as a **genetic correlations** and can be desirable or undesirable.

Breeding Values

The prediction of EBVs makes use of performance recordings of the animal as well as those of its relatives, pedigree information and genetic parameters. The deviation of the animal's measurement relative to the average of its contemporary group, forms the basis for identifying the animal's genetic potential for the trait. A **contemporary group** is a group of animals that have been exposed to the same environmental and biological effects, including herd, year, sex and age effects. After adjusting for differences in these effects, animals can fairly be compared and the difference in performance that still persist are then assumed to be due to differences in the genetic merit of the animals.

The EBV predicted for an animal at birth and until it has been measured, is the average EBV of its parents, since the animal received half of its genes from each parent. This mid-parent value makes the assumption that the same half of the parents' genes are carried over to all their offspring. In reality, each offspring receives a random sample of each parent's genes,

therefore mid-parent EBVs are still of low accuracy, but it does indicate the genetic level that can be expected due its parental history. An animal's true genetic merit can be predicted more accurately as more information becomes available, eg. when the animal has been measured or when the number of relatives with measurements increases. Estimated breeding values therefore change over time as more information becomes available. EBVs of animals are published with an **accuracy** (%), which indicates how much information was available for the estimation of breeding values and therefore the confidence with which a breeder can use it. Factors that influence the accuracy of an EBV are the heritability of the trait, the number of measured relatives, the size of the contemporary group, the precision with which the measurements were taken and the completeness of pedigree information. An EBV with an accuracy of 85% or more is less likely to change significantly with subsequent genetic analyses.

Interpretation of breeding values

EBVs are expressed around a **base year** (5 years ago), which means that the average breeding value of the base year is set as zero and all breeding values are expressed relative to this average. An animal with an EBV of +1kg for weaning weight is therefore genetically superior by 1kg compared to an average animal born in the base year. EBVs therefore express genetic merit of animals relative to each other. The true performance of an animal cannot be calculated from the EBV, but it enables the breeder to know which animals will make a better contribution to the next generation. For easier interpretation EBVs are also expressed as breeding value indices. For these indices the average value of the **active population** is set as 100 with a standard deviation of 12. An index of 76 therefore indicates that the animal is 2 standard deviations below the average and an index of 112 indicates that the animal is 1 standard deviation above the average of the active population for the specific trait. Please note that negative EBVs are favourable for Inter-Lambing Period and Age at First Lambing, therefore shorter inter-lambing periods and younger ages at first lambing indicates better fertility. However, breeding value indices are expressed in the same way for all traits, therefore higher indices indicates desirability for the traits and lower indices are undesirable. This makes it easy to identify superior animals for all traits.

The data used in this evaluation has been obtained from LOGIX, as supplied by breeders. Everything possible had been done to present the information correctly. SA Stud Book does not take any responsibility for the use and interpretation of the information from this publication.

Selection Indices

It is easy to select on a single trait, but that is not the best approach to follow. Selecting on only one trait can lead to the deterioration of performance in other traits due to genetic correlations. There are different traits that are important, some being more important than others. A selection index combines multiple traits, each with an economic weight to take the different levels of importance into account. EBVs for different traits cannot simply be added together, since the unit of measurement and range of the values differ and in some cases negative values are favoured. These factors are accounted for in the compilation of a selection index. An overall selection index includes EBVs of all the traits of economic importance, while other selection indices are more focused on specific breeding objectives. Selection indices are expressed around 100, with 100 being the average of the active population, with a standard deviation of 12. A selection index of 124 is therefore 2 standard deviations above the average and an index of 88 is one standard deviation below the average of the active animals of the population.

Three Indices are constructed for the Meatmaster breed, namely the Growth Index, Reproduction Index and the Logix Merit Index. These indices, their purpose and the contribution of the different traits to the indices are summarised as follows :

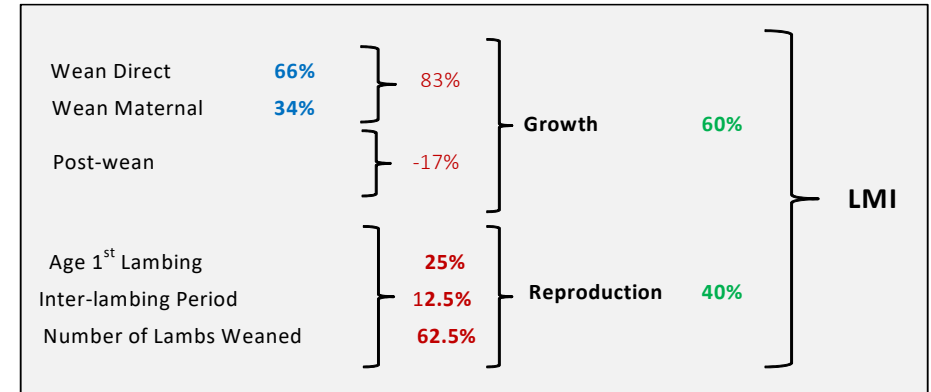
Logix Merit Index (LMI)

This index combines all the traits to select for a balanced, profitable animal that is fertile and delivers a desirable level of production while not reaching very large adult weights. Very large animals require more feed to meet their maintenance requirements, which makes them more expensive to keep and more likely to struggle during difficult times. Since large animals in a breeding flock are unfavourable, a penalty is placed on Post-Wean Weight EBV (indicated by the negative value) in the index. Selection based on the LMI will lead to breeding of balanced animals that will have the genetic potential to wean at a heavier weight (both due to its own potential and having dams that produce sufficient milk), lambs at an early age, give multiple lambs and has lower maintenance requirements. This value is especially important for sustainability, which requires the selection of good, productive replacement animals for the flock.

The **LMI** is constructed as follows :

$$(0.33 * \text{Wean Dir}) + (0.17 * \text{Wean Mat}) - (0.10 * \text{Post-wean}) + (0.25 * \text{N_Lambs_Weaned}) + (0.10 * \text{AFL}) + (0.05 * \text{ILP})$$

Schematically the LMI can be explained as follows :



Growth Index (GI)

The Growth Index indicates growth potential up to weaning and is a combination of Wean Direct, Wean Maternal and Post-Wean breeding values. The Growth Index is useful to indicate an animal's advantage in crossbreeding systems. The GI is constructed as follows :

$$GI = 0.54 \text{ Wean Dir} + 0.26 \text{ Wean Mat} + 0.2 \text{ Post-Wean}$$

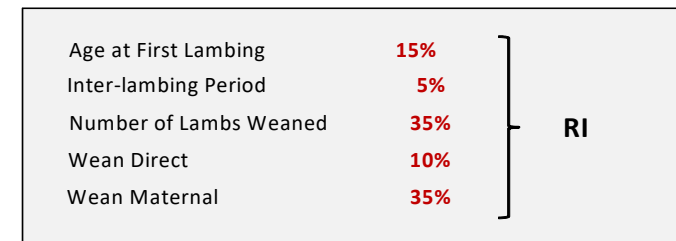
Reproduction Index (RI)

This index includes the EBVs of the components of Total Weight Weaned (Weaning Direct and Maternal and Number of Lambs Weaned), as well as Age at First Lambing and Interlambing Period. This is especially an important index to consider in the development of a dam line.

The **RI** is constructed as follows :

$$(0.15 * \text{AFL}) + (0.05 * \text{ILP}) + (0.35 * \text{N_Lambs_Weaned}) + (0.10 * \text{Wean Dir}) + (0.35 * \text{Wean Mat})$$

Schematically it can be explained as follows :



Meatmaster

Genetic Averages of Animals

Trait	Flock **			Breed		
	All	Rams	Ewes	All	Rams	Ewes
Weaning Weight Direct	0.03	-0.87	0.30	-0.08	0.05	-0.14
Weaning Weight Maternal	0.34	0.55	0.27	-0.03	0.00	-0.05
Weaning Weight Comb	0.35	0.12	0.42	-0.07	0.02	-0.12
Post-wean Weight	-0.34	-1.62	0.04	-0.49	-0.30	-0.59
Number Lambs Weaned	-0.99	-1.18	-0.94	0.59	0.70	0.53
Total Weight Weaned	-0.23	-1.02	0.01	0.24	0.47	0.13
Age at First Lambing	-0.71	-4.82	0.50	-0.13	-0.01	-0.20
Interlambing Period	-4.33	-5.78	-3.90	-0.36	-0.56	-0.25
Selection Indices						
Logix Merit Index	95	94	96	95	96	95
Reproduction Index	98	101	97	97	97	97
Growth Index	97	92	99	94	95	94
Inbreeding						
Inbreeding (%)	3.04	2.55	3.18	4.09	4.45	3.92
Number of Animals						
Number of Animals	27	6	21	33272	10479	22715

** Averages of all active animals in the flock.

Breeding Value Indices

Trait	Flock **		
	All	Rams	Ewes
Weaning Weight Direct	95.1	86.8	97.5
Weaning Weight Maternal	103.7	107.5	102.6
Weaning Weight Comb	99.4	96.9	100.1
Post-wean Weight	95.8	88.7	97.9
Number Lambs Weaned	92.1	91.4	92.3
Total Weight Weaned	92.9	89.2	93.9
Age First Lambing	104.1	113.4	101.4
Interlambing Period	103.0	105.3	102.3
Selection Indices			
Logix Merit Index	95.2	94.0	95.6
Reproduction Index	97.8	101.1	96.8
Growth Index	97.1	91.5	98.8
Inbreeding			
Inbreeding (%)	3.04	2.55	3.18
Number of Animals			
Number of Animals	27	6	21

** Averages of all active animals in the flock.

Inbreeding

Notes

- Inbreeding primarily leads to decreased fertility and low survivability of lambs.
- The effects of inbreeding can be observed from 6.25% onwards.
- It is therefore highly recommended to record pedigree information as accurately and completely as possible and to use a selection programme for selection of unrelated rams.
- Incomplete or incorrect pedigree information can be reported to SA Stud Book. Inbreeding is dependent on pedigree information. Conventional methods for the Calculation of inbreeding coefficients usually assume that unknown parents are unrelated. However, this is usually far from the truth. An algorithm is used for the calculation of inbreeding, where the average inbreeding coefficient is assigned to unknown parents based on the generation in which they were born. This result is a more accurate reflection of inbreeding of the herd and breed.

Inbreeding Levels for Specific Matings

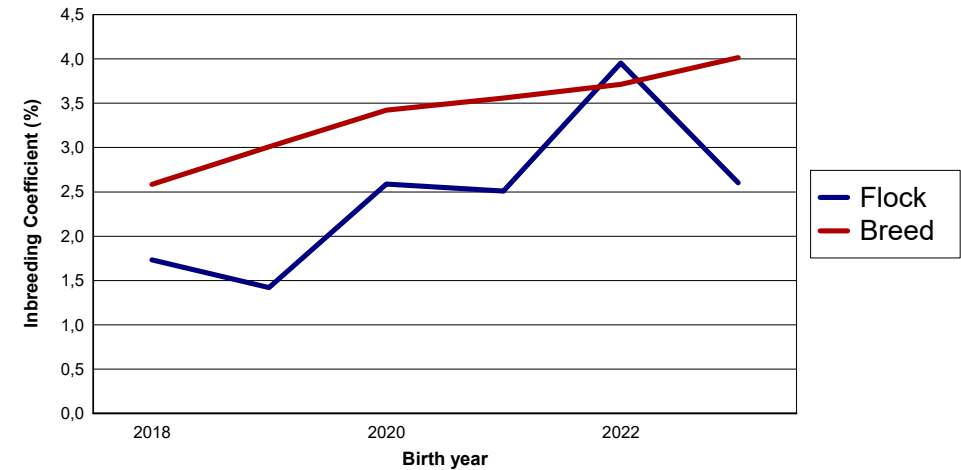
Progeny with Parents :	25%
Full Brother x Full Sister :	25%
Half Brother x Half Sister :	12.5%
One Common Grandparent :	6.25%
One Common Great-Grandparent :	3.125%

Level and Rate of Inbreeding

Year of Birth	Level* (%)	Rate (% / year)
2018 - 2023	2.60	0.17
Recommended:	< 6.25	< 0.1 - 0.2

*Of the last year of birth

Rate of Inbreeding

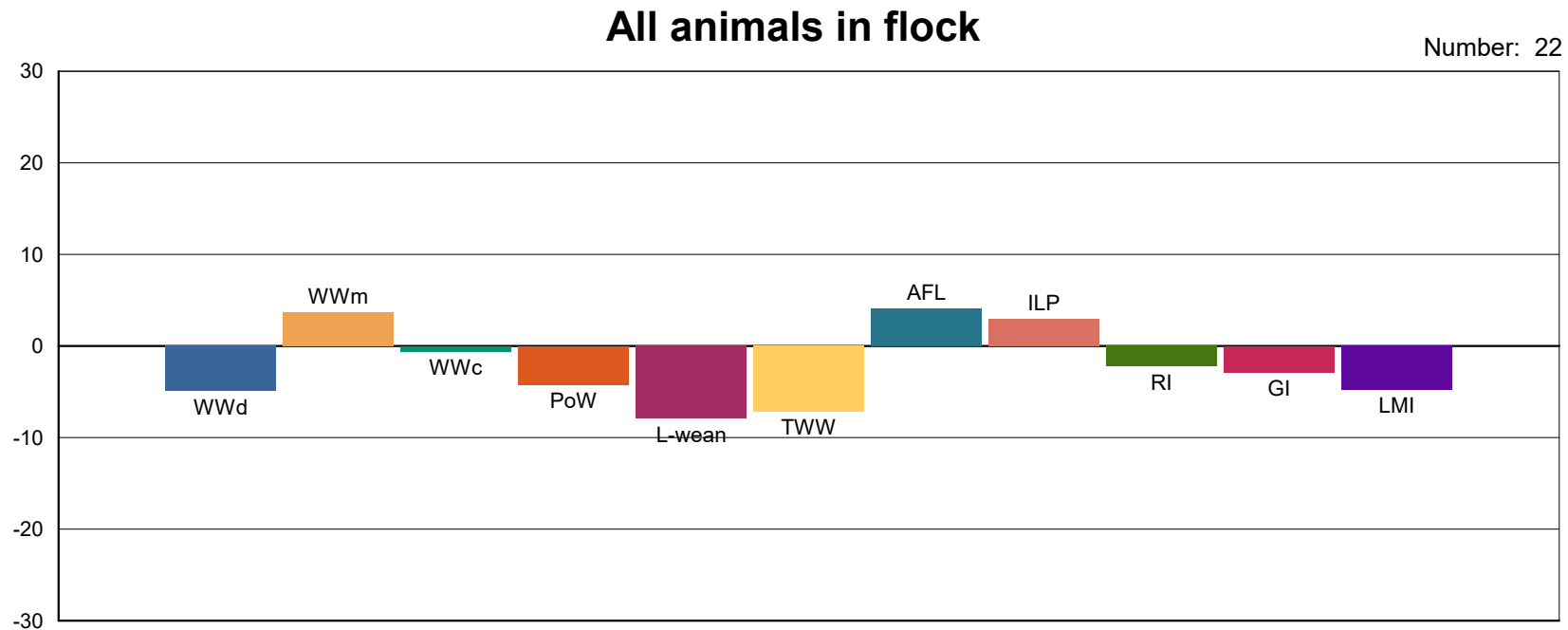


Pedigree Information

	Number	%
Known Sires	22	81
Known Dams	22	81

Note: Inbreeding can be under-estimated if pedigree information is incomplete or incorrect

Genetic Windows



WWd: Weaning Weight Direct
WWm: Weaning Weight Maternal
WWc: Weaning Weight Combined
PoW: Post-Weaning Weight
L-wean: Number of Lambs Weaned
TWW: Total Weight Weaned
AFL: Age at First Lambing
ILP: Interlambing Period
RI: Reproduction Index
GI: Growth Index

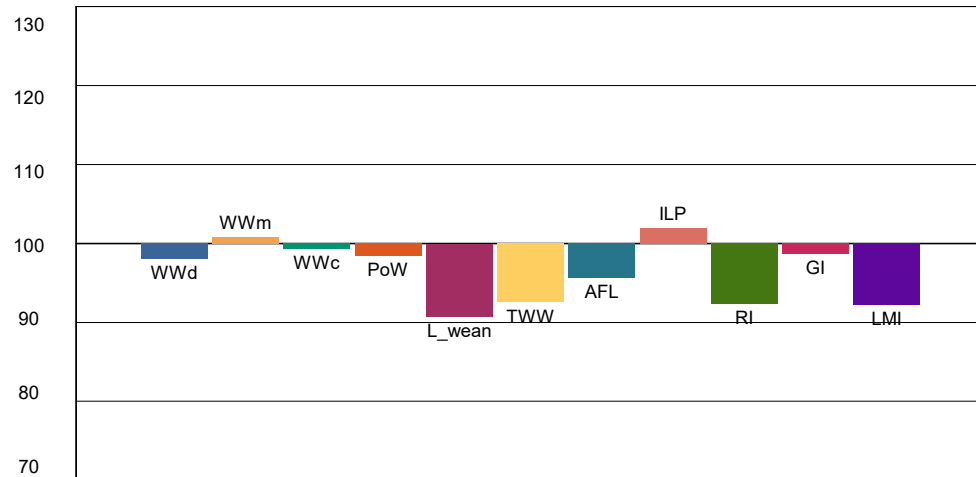
The genetic windows allow a quick overview of the genetic status of the flock compared to the breed. The values presented here are the average EBV indices of all the active animals of the flock, of the dams and sires of the active animals of the flock, as well as of the active ewes and rams that are younger than 2-years old. An index of 100 is equal to the average of the active measured population. Due to the higher selection intensity on rams (selection is more strict since a much smaller percentage of young animals are retained in the flock), the expectation is for the average index of the sires to be higher than that of the dams.

Remember that the EBV index for AFL and ILP are presented in such a way that an index above 100 indicates animals that have a lower EBV for these traits.

Genetic Windows

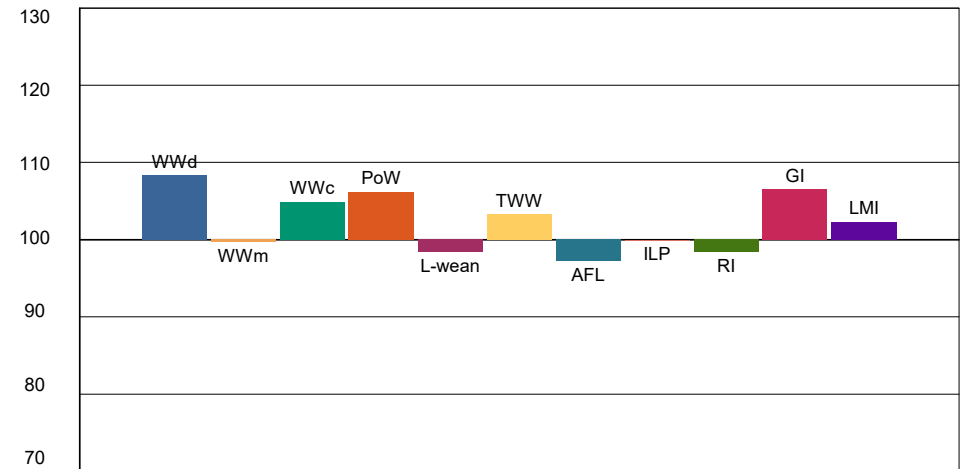
Dams

Number: 12



Sires

Number: 9



Number:

130
120
110
100
90
80
70

Young Rams

Number: 5



Genetic Trends

Genetic trends are based on measured animals that were bred by the specific breeder.

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Genetic trends are based on measured animals that were bred by the specific breeder.

For AFL and ILP flock genetic trends below breed averages are desirable.

Genetic Trends of Breed

Birth year	Weaning Weight				Post-Wean		Lambs Weaned		TWW		AFL		ILP		RI		LMI	
	Number	Dir	Mat	Comb	Number	EBV	Number	EBV	Number	EBV	Number	EBV	Number	EBV	Number	EBV	Number	EBV
2013	2551	-0.74	-0.62	-0.99	1364	-2.24	940	0.52	2551	89	1204	3.43	935	-0.91	2551	86	2551	86
2014	2768	-0.70	-0.54	-0.89	1344	-2.17	1129	0.21	2768	89	1363	3.25	1019	0.48	2768	86	2768	86
2015	3224	-0.51	-0.38	-0.63	1476	-1.56	1066	0.16	3224	91	1297	2.63	880	-0.26	3224	89	3224	89
2016	2994	-0.40	-0.43	-0.63	1674	-1.28	1252	-0.47	2994	92	1656	2.50	1234	1.07	2994	89	2994	89
2017	2937	-0.20	-0.41	-0.51	1491	-0.92	1326	-0.57	2937	92	1935	2.36	1440	1.11	2937	89	2937	89
2018	3790	-0.09	-0.23	-0.28	2173	-0.88	1417	-0.41	3790	94	1822	2.15	1212	0.70	3790	92	3790	92
2019	4281	-0.05	-0.12	-0.15	1997	-0.44	1217	-0.58	4281	94	1668	1.81	1280	0.50	4281	93	4281	92
2020	3443	-0.08	-0.10	-0.14	2062	-0.41	1878	-1.38	3443	94	2008	1.21	1538	-0.31	3443	94	3443	93
2021	4483	0.00	0.00	0.00	2120	0.00	1584	0.03	4483	96	2151	0.00	1550	0.00	4483	97	4483	96
2022	5249	0.03	-0.06	-0.05	2476	-0.11	2167	-1.03	5249	95	2259	0.05	1542	-1.27	5249	95	5249	95
2023	6336	0.27	-0.11	0.02	2328	0.31	2097	-0.74	6336	94	2276	0.62	1289	-0.97	6336	93	6336	94
2024	7264	0.27	-0.09	0.05	2650	0.61	1115	0.20	7264	95	1853	0.69	489	0.59	7264	95	7264	95
2025	6535	0.34	0.01	0.18	2250	1.00	83	1.28	6535	98	440	-0.86	5	-5.27	6535	98	6535	98

Genetic Trends of Flock

Birth year	Weaning Weight				Post-Wean		Lambs Weaned		TWW		AFL		ILP		RI		LMI	
	Number	Dir	Mat	Comb	Number	EBV	Number	EBV	Number	EBV	Number	EBV	Number	EBV	Number	EBV	Number	EBV

Breeding Value & Selection Index Percentiles

The percentiles indicate the ranking of the animals' EBVs and Selection Indices within the active population.

For example, if an animal's EBV for a specific trait falls between the maximum and 99% percentile of the trait, it means that this animal ranks in the top 1% of the active population, or this animal's genetic merit for the trait is better than 99% of that of the active population.

Should the EBV for a specific trait falls between the 5% and 10% percentile, it means that the animal ranks in the bottom 10% of the active population for the specific trait, or the animal's genetic merit is worse than 90% of the active population.

Note that the percentiles for Age at First Lambing and Inter-lambing Period EBVs work on the reverse scale.

All Active Animals

Trait	Avg	SD*	Min	Percentiles (%)															Max
				1	5	10	20	25	30	40	50	60	70	75	80	90	95	99	
Weaning Weight Direct	-0.08	1.11	-3.81	-2.07	-1.47	-1.22	-1.02	-0.88	-0.77	-0.56	-0.33	-0.02	0.35	0.57	0.84	1.53	2.08	3.01	5.79
Weaning Weight Maternal	-0.03	0.59	-2.90	-1.41	-0.94	-0.74	-0.52	-0.43	-0.34	-0.21	-0.06	0.09	0.26	0.36	0.46	0.71	0.97	1.48	3.08
Weaning Weight Combined	-0.07	0.96	-4.28	-2.07	-1.42	-1.12	-0.82	-0.72	-0.62	-0.41	-0.20	-0.01	0.29	0.48	0.68	1.28	1.75	2.51	4.75
Post-Wean Weight	-0.49	1.82	-7.24	-3.96	-2.92	-2.39	-1.96	-1.75	-1.56	-1.26	-0.90	-0.40	0.23	0.63	0.99	2.08	2.97	4.61	9.11
Number of Lambs Weaned	0.59	2.70	-9.30	-5.00	-4.10	-2.70	-1.50	-1.10	-0.80	-0.10	0.50	1.10	1.70	2.10	2.50	4.00	5.40	8.10	17.60
Total Weight Weaned	0.24	2.28	-8.32	-4.63	-3.11	-2.30	-1.48	-1.26	-0.95	-0.46	-0.07	0.41	1.05	1.48	1.95	3.39	4.58	6.60	10.90
Age at First Lambing	-0.13	-4.88	30.68	12.31	7.93	5.91	3.62	2.87	2.15	0.99	-0.13	-1.31	-2.45	-3.14	-3.93	-5.96	-8.28	-11.88	-26.31
Interlambing Period	-0.36	-7.80	56.43	20.90	13.49	9.89	5.76	4.17	2.82	0.71	-1.22	-2.97	-4.62	-5.29	-6.17	-9.00	-11.90	-17.94	-35.86
Growth Index	94	10	59	74	81	84	87	88	89	90	92	95	98	100	103	109	114	123	141
Reproduction Index	97	10	52	74	81	85	89	90	91	94	96	99	101	103	105	110	115	124	153
Logix Merit Index	95	11	55	75	80	83	87	88	89	91	94	96	99	101	103	110	115	124	146

*SD : Standard Deviation. An indicator of how far breeding values/selection indices are distributed around the average.

Breeding Value & Selection Index Percentiles

All Active Rams

Trait	Avg	SD*	Min	Percentiles (%)															Max
				1	5	10	20	25	30	40	50	60	70	75	80	90	95	99	
Weaning Weight Direct	0.05	1.12	-3.70	-1.86	-1.32	-1.17	-0.92	-0.78	-0.68	-0.49	-0.22	0.12	0.52	0.76	1.03	1.67	2.20	3.05	5.79
Weaning Weight Maternal	0.00	0.55	-2.00	-1.22	-0.86	-0.67	-0.46	-0.37	-0.30	-0.17	-0.02	0.12	0.28	0.37	0.46	0.71	0.94	1.42	2.44
Weaning Weight Combined	0.02	0.93	-2.67	-1.76	-1.22	-0.98	-0.76	-0.65	-0.54	-0.35	-0.13	0.07	0.40	0.58	0.79	1.36	1.80	2.52	4.44
Post-Wean Weight	-0.30	1.81	-6.14	-3.60	-2.58	-2.14	-1.79	-1.60	-1.43	-1.14	-0.74	-0.25	0.47	0.81	1.25	2.34	3.16	4.66	9.11
Number of Lambs Weaned	0.70	2.46	-8.50	-4.50	-3.00	-2.30	-1.30	-1.00	-0.60	0.00	0.60	1.10	1.70	2.00	2.40	3.90	5.20	7.60	13.40
Total Weight Weaned	0.47	2.19	-6.35	-3.73	-2.54	-1.94	-1.31	-0.98	-0.72	-0.30	0.04	0.53	1.20	1.64	2.18	3.63	4.77	6.44	10.85
Age at First Lambing	0.00	-4.46	19.12	10.97	7.38	5.62	3.48	2.80	2.12	1.10	0.05	-1.15	-2.17	-2.75	-3.49	-5.46	-7.11	-10.68	-23.87
Interlambing Period	-0.56	-6.99	35.22	18.74	12.10	8.64	4.90	3.41	2.27	0.39	-1.25	-2.92	-4.48	-5.29	-5.96	-8.41	-10.77	-15.75	-30.26
Growth Index	95	10	66	78	83	85	87	88	89	91	93	96	100	102	104	110	115	123	141
Reproduction Index	97	10	55	76	83	86	89	90	92	94	96	99	101	103	105	111	115	124	153
Logix Merit Index	96	10	66	77	82	84	87	88	89	92	94	97	100	102	104	111	116	123	142

All Active Ewes

Trait	Avg	SD*	Min	Percentiles (%)															Max
				1	5	10	20	25	30	40	50	60	70	75	80	90	95	99	
Weaning Weight Direct	-0.14	1.10	-3.81	-2.13	-1.52	-1.27	-1.04	-0.92	-0.81	-0.60	-0.38	-0.08	0.27	0.47	0.74	1.45	2.01	3.00	5.63
Weaning Weight Maternal	-0.05	0.61	-2.90	-1.50	-0.98	-0.77	-0.55	-0.45	-0.37	-0.23	-0.08	0.07	0.25	0.35	0.45	0.71	0.98	1.51	3.08
Weaning Weight Combined	-0.12	0.97	-4.28	-2.21	-1.51	-1.18	-0.86	-0.76	-0.65	-0.44	-0.22	-0.05	0.23	0.42	0.62	1.22	1.71	2.51	4.75
Post-Wean Weight	-0.58	1.82	-7.24	-4.11	-3.02	-2.52	-2.05	-1.84	-1.63	-1.31	-0.97	-0.48	0.11	0.51	0.85	1.96	2.83	4.57	9.10
Number of Lambs Weaned	0.53	2.81	-9.30	-5.20	-4.20	-3.10	-1.70	-1.30	-0.90	-0.10	0.50	1.00	1.70	2.10	2.50	4.10	5.40	8.30	17.60
Total Weight Weaned	0.13	2.31	-8.32	-4.85	-3.35	-2.50	-1.63	-1.37	-1.08	-0.55	-0.14	0.35	0.96	1.38	1.83	3.26	4.48	6.66	10.90
Age at First Lambing	-0.20	-5.08	30.68	12.91	8.19	6.05	3.68	2.88	2.16	0.96	-0.22	-1.41	-2.65	-3.29	-4.14	-6.34	-8.76	-12.31	-26.31
Interlambing Period	-0.25	-8.19	56.43	21.86	14.10	10.50	6.28	4.57	3.18	0.83	-1.20	-3.01	-4.71	-5.29	-6.32	-9.36	-12.40	-19.14	-35.86
Growth Index	94	10	59	73	80	83	86	87	88	90	92	94	97	100	102	108	114	123	141
Reproduction Index	97	11	52	73	80	84	88	90	91	94	96	98	101	103	105	110	115	124	148
Logix Merit Index	95	11	55	74	79	83	86	88	89	91	93	96	99	101	103	109	115	124	146

*SD : Standard Deviation. An indicator of how far breeding values/selection indices are distributed around the average.

Rams



Genotyped

Inbreeding in red is high

EBV - Estimated Breeding Value

Indices >=124
Above breed average
Indices <= 76

Acc: Accuracy of the breeding value
EBVs with an accuracy below 5% are not printed

Index: Expresses the EBV around 100 where 100 is set as the average EBV of active animals

Animal Information					Selection Indices			EBV - Weights				EBV - Fertility				
Animal ID Comp no.	Parents			% In-breeding	Logix Merit Index	Growth Index	Repro- duction Index	Wean Weight		Comb	Post-Wean	Number Weaned	TWW	AFL	ILP	Dam
	Sire	Dam						Dir	Mat							
								EBV Acc Index	EBV Acc Index	EBV Index	EBV Acc Index	EBV Acc Index	EBV Acc Index	EBV Acc Index	EBV Acc Index	EPI Times Lambd
Active Breed Average:					100	100	100	-0.08	-0.03	-0.07	-0.49	0.59	0.24	-0.13	-0.36	
SATM23 0028 98649213	SATM DVB	21 21	0156 0198	2.55	103	102	105	0.50 32 99	0.74 26 111	0.99 106	0.07 32 98	-0.70 22 93	0.81 27 98	-2.24 19 108	-7.74 20 108	2
SATM23 0029 98649437	SATM SATM	21 21	0156 0764	2.55	92	89	100	-1.21 5 84	0.51 5 107	-0.10 95	-2.05 5 86	-1.30 5 91		-5.46 5 115	-5.29 5 105	1
SATM23 0030 98649254	SATM AMS	21 18	0156 0259	2.55	92	89	100	-1.21 5 84	0.51 5 107	-0.10 95	-2.05 5 86	-1.30 5 91		-5.46 5 115	-5.29 5 105	5
SATM23 0031 98649239	SATM AMS	21 18	0156 0259	2.55	92	89	100	-1.21 5 84	0.51 5 107	-0.10 95	-2.05 5 86	-1.30 5 91		-5.46 5 115	-5.29 5 105	5
SATM23 0032 98649536	SATM SATM	21 21	0156 0751	2.55	92	89	100	-1.21 5 84	0.51 5 107	-0.10 95	-2.05 5 86	-1.30 5 91		-5.46 5 115	-5.29 5 105	1
Ram Flock Average:					94	92	101	-0.87	0.55	0.12	-1.62	-1.18	-1.02	-4.82	-5.78	
Number of rams in the flock: 5																



Genotyped

Inbreeding in red is high

EBV - Estimated Breeding Value

Indices >=124
Above breed average
Indices <= 76

Acc: Accuracy of the breeding value
EBV's with an accuracy below 5% are not printed

Index: Expresses the EBV around 100 where 100 is set as the average EBV of active animals

Animal Information				Selection Indices			EBV - Weights				EBV - Fertility					
Animal ID	Parents		% In-breeding	Logix Merit Index	Growth Index	Reproduction	Wean Weight		Comb	Post-Wean	Number Weaned	TWW	AFL	ILP	EPI	Times
Comp no.	Sire	Dam					Dir	Mat								EBV
Active Breed Average:							100	100	100	-0.08	-0.03	-0.07	-0.49	0.59	0.24	-0.13
DPIV 19 0006 83199646	DPIV 15 0008 DPIV 17 0036		1.42	95	97	94	0.22 69 97	0.10 66 100	0.21 98	-0.49 70 95	0.80 56 99	0.80 65 98	9.04 48 82	-9.28 51 111	90	5
DVB 21 0198 91794065	DVB 18 0347 DVB 19 0244		3.29	103	114	96	2.32 63 116	0.40 52 105	1.56 112	2.67 64 112	-3.00 45 84	0.92 55 98	3.29 38 95	-12.46 41 116		2
AMS 21 0321 93123776	AMS 18 0059 AMS 19 0052		2.13	93	89	102	-1.21 5 84	0.51 5 107	-0.10 95	-2.05 5 86	-1.30 5 91		-7.13 27 119	-8.73 30 110		0
AMS 21 0326 93123818	AMS 18 0059 AMS 19 0090		2.13	94	89	102	-1.21 5 84	0.51 5 107	-0.10 95	-2.05 5 86	-1.30 5 91		-6.75 26 118	-11.62 30 115		1
AMS 21 0344 93123982	AMS 18 0059 AMS 16 1023		1.74	94	89	102	-1.21 5 84	0.51 5 107	-0.10 95	-2.05 5 86	-1.30 5 91		-7.05 26 119	-11.12 29 114		0
CC 22 0349 95153474	CC 20 0342 CC 19 0353		4.66	102	104	103	0.69 65 101	0.68 53 110	1.03 107	0.36 67 100	1.40 47 101	2.21 56 104	5.49 46 90	6.86 42 85	80	1
CC 22 0455 95158150	CC 20 0342 CC 18 0548		4.66	104	108	104	1.21 66 106	0.88 54 113	1.49 112	0.83 67 102	-0.10 49 96	2.03 57 103	4.72 46 92	4.48 42 89	85	1
CC 22 0483 95158879	CC 21 0147 CC 20 0500		5.90	90	92	84	0.53 63 100	-1.17 51 78	-0.91 86	-0.33 66 96	1.50 41 102	0.26 53 95	1.71 41 99	8.16 35 83	88	1
CC 22 0561 95153375	CC 21 0025 CC 19 0560		3.63	99	111	97	1.60 65 110	0.57 53 108	1.37 110	2.75 67 113	-2.80 45 85	0.49 56 96	2.89 43 96	-10.92 39 114		0
CC 22 0636 95157517	CC 20 0633 CC 21 0449		5.87	81	94	77	0.40 59 98	-0.76 42 85	-0.57 90	-0.10 62 97	-2.40 36 87	-1.81 47 86	4.95 34 91	9.80 34 80		0
CC 23 0018 96793740	KI 20 0260 CC 20 0194		2.16	110	114	105	2.17 65 115	0.37 53 104	1.45 111	3.06 66 115	1.20 42 101	3.26 55 109	5.42 43 90	-11.21 41 114		0
SATM23 0033 98649452	SATM 21 0156 SATM 21 0751		2.55	92	89	100	-1.21 5 84	0.51 5 107	-0.10 95	-2.05 5 86	-1.30 5 91		-5.46 5 115	-5.29 5 105		0
SATM23 0039 98648991	SATM 21 0156 SATM 21 0783		2.55	92	89	100	-1.21 5 84	0.51 5 107	-0.10 95	-2.05 5 86	-1.30 5 91		-5.46 5 115	-5.29 5 105		0
SATM23 0040 98649015	SATM 21 0156 SATM 21 0783		2.55	92	89	100	-1.21 5 84	0.51 5 107	-0.10 95	-2.05 5 86	-1.30 5 91		-5.46 5 115	-5.29 5 105		0
CC 23 0078 96794920	KI 20 0260 CC 18 0442		2.46	96	101	87	1.41 65 108	-0.71 52 86	0.00 96	0.86 66 102	-1.20 42 91	-0.01 55 94	3.34 43 95	-16.64 41 123		0



Ewes



Genotyped

Inbreeding in red is high

EBV - Estimated Breeding Value

Indices >=124
Above breed average
Indices <= 76

Acc: Accuracy of the breeding value
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Index: Expresses the EBV around 100 where 100 is set as the average EBV of active animals

Animal Information				Selection Indices			EBV - Weights				EBV - Fertility									
Animal ID	Parents			% In-breeding	Logix Merit Index	Growth Index	Reproduction	Wean Weight		Post-Wean	Number Weaned		TWW		AFL		ILP	EPI	Times Lambed	
Comp no.	Sire	Dam	Dir					Mat	Comb		Weaned	TWW	AFL	Phenotype						
			EBV Acc Index					EBV Acc Index	EBV Index	EBV Acc Index	EBV Acc Index	EBV Acc Index	EBV Acc Index	EBV Acc Index	EBV Acc Index	EBV Acc Index	EBV Acc Index	EBV Acc Index	EBV Acc Index	EBV Acc Index
Active Breed Average:				100	100	100	-0.08	-0.03	-0.07	-0.49	0.59	0.24	-0.13	-0.36						
CC 23 0169 96783592	CC 21 0100 CC 19 0169		6.18	90	109	85	1.64 62 110	0.20 47 101	1.02 107	2.16 64 110	-4.90 41 77	-1.10 51 89	1.89 37 98	9.11 36 82					0	
CC 23 0210 96795984	CC 19 0576 CC 17 0516		3.46	101	103	108	0.12 66 96	1.02 57 116	1.09 107	1.18 68 104	1.40 52 101	1.99 59 103	3.07 48 96	3.10 48 91					0	
Ewe flock average: Total ewes in flock: 17				96	99	97	0.30	0.27	0.42	0.04	-0.94	0.01	0.50	-3.90						

Sires Used in Flock



Genotyped

*Inbreeding in red is high

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Above breed average
Indices <= 76

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Index: Expresses the EBV around 100 where 100 is set as the average EBV of active animals

Animal Information		Parents & Progeny						Selection Indices			EBV - Weights				EBV - Fertility				
Animal ID Computer nr	% In- breedin	1st Generation				2nd Generation		LMI	GI	RI	Weaning Weight				Number Weaned EBV Acc	TWW EBV Acc	AFL EBV Acc	ILP EBV Acc	Dam EPI Times Lambd
		Sire ID Dam ID	Prog Weaned	Nr Herds	Prog Weaned	Nr Herds	Dir EBV Acc				Mat EBV Acc	Comb EBV Index	Post-Wean EBV Acc						
		Active Breed Average:						100	100	100	-0.08	-0.03	-0.07	-0.49	0.59	0.24	-0.13	-0.36	
DPIV15 0008 80357445	1.30		182	1	67	1	108	103	109	0.65 95	0.79 101	1.12 89	-0.05 112	4.20 81	3.97 112	12.21 73	-5.88 75		
AMS18 0059 92362805	1.74															-10.94 51	-14.67 127		
DVB18 0347 81893992	5.15	KI 11 0460 DVB 16 0365	39	1	19	1	109	115	99	2.73 87	0.21 120	1.57 78	2.50 101	-0.90 68	2.39 93	2.81 79	-4.42 105	114	6
CC19 0576 86056306	4.17	CC16 0164 CC14 0076	199	6	76	4	142	122	153	1.65 97	2.36 110	3.18 92	4.34 136	11.40 84	10.85 136	-3.35 92	-5.47 144	133	5
KI20 0260 91582833	0.90	JFK13 1395 KI16 0534	100	3	36	2	111	122	96	3.72 93	-0.23 129	1.63 79	4.81 94	0.10 59	3.55 96	8.13 80	-13.96 110		1
CC20 0342 90335084	5.06	CC17 0380 CC15 0262	44	2	17	1	90	113	82	2.28 89	0.40 116	1.54 77	1.89 105	-7.00 68	-1.52 69	4.02 80	10.60 87	162	11
CC20 0633 90340613	3.98	CC17 0380 CC16 0400	14	1	2	1	73	89	73	-0.38 77	-0.64 91	-0.83 61	-1.10 87	-3.20 54	-2.94 84	5.52 66	20.93 80	121	6
CC21 0025 92022326	4.74	CC17 0756 CC16 0552	169	3	42	2	93	101	86	1.18 95	-0.45 106	0.14 81	1.03 90	-2.10 71	-0.53 88	6.15 84	-18.48 92	139	5
CC21 0100 92022839	4.18	CC17 0756 CC19 0631	41	3	9	1	92	100	93	0.40 86	0.36 99	0.56 67	0.31 104	-2.80 59	-0.92 85	0.80 72	-3.74 90	108	6
CC21 0147 92023159	5.58	CC19 0866 CC18 0046	44	1	19	1	104	93	95	1.00 87	-1.68 104	-1.18 72	0.16 69	7.00 59	3.53 123	-2.16 75	12.00 110	183	9
SATM21 0156 98648843	2.55																		
		Sire Flock Average: Nr of sires used in the flock: 11						102	106	98	1.47	0.13	0.86	1.54	0.74	2.04	2.32	-2.31	

Ram Selection List: LMI

Animals sorted on LMI

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Index: Expresses the EBV around 100 where 100 is set as the average EBV of active animals

Animal Information		Parents & Progeny				Selection Indices			EBV - Weights				EBV - Fertility					
Animal ID Computer nr	% In- breeding	Sire ID Dam ID	1st Generation		2nd Generation		LMI	GI	RI	Weaning Weight				Number Weaned	TWW	AFL	ILP	Dam
			Prog	Nr	Prog	Nr				Dir	Mat	Comb	Post-Wean					
			Weaned	Herds	Weaned	Herds				EBV Acc Index	EBV Acc Index	EBV Index	EBV Acc Index					
		Active Breed Average:				100	100	100	-0.08	-0.03	-0.07	-0.49	0.59	0.24	-0.13	-0.36		
1 3ATM23 0028 98649213	2.55	3ATM 21 0156 DVB 21 0198				103	102	105	0.50 32 99	0.74 26 111	0.99 106	0.07 32 98	-0.70 22 93	0.81 27 98	-2.24 19 108	-7.74 20 108	2	
2 3ATM23 0031 98649239	2.55	3ATM 21 0156 AMS 18 0259				92	89	100	-1.21 5 84	0.51 5 107	-0.10 95	-2.05 5 86	-1.30 5 91		-5.46 5 115	-5.29 5 105	5	
3 3ATM23 0032 98649536	2.55	3ATM 21 0156 3ATM 21 0751				92	89	100	-1.21 5 84	0.51 5 107	-0.10 95	-2.05 5 86	-1.30 5 91		-5.46 5 115	-5.29 5 105	1	
4 3ATM23 0029 98649437	2.55	3ATM 21 0156 3ATM 21 0764				92	89	100	-1.21 5 84	0.51 5 107	-0.10 95	-2.05 5 86	-1.30 5 91		-5.46 5 115	-5.29 5 105	1	
5 3ATM23 0030 98649254	2.55	3ATM 21 0156 AMS 18 0259				92	89	100	-1.21 5 84	0.51 5 107	-0.10 95	-2.05 5 86	-1.30 5 91		-5.46 5 115	-5.29 5 105	5	

Ewe Selection List: LMI

Animals sorted on LMI

Inbreeding in red is high

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Index: Expresses the EBV around 100 where 100 is set as the average EBV of active animals

Animal Information				Parents	Selection Indices			EBV - Weights						EBV - Fertility											
Animal ID Computer nr				% In-breeding	Sire ID Dam ID		LMI	GI	RI	Weaning Weight		Comb	Post-Wean		Number Weaned		TWW		AFL		ILP		EPI	Times Lambd	
										Dir	Mat		EBV	EBV	EBV	EBV	Acc	Index	Acc	Index	EBV	EBV			Acc
Active Breed Average:							100	100	100	-0.08		-0.03		-0.07		-0.49		0.59		0.24		-0.13		-0.36	
1	CC	23	0018	2.16	KI	20 0260	110	114	105	2.17	0.37	1.45	3.06	1.20	3.26	5.42	-11.21	85	1	0					
	96793740				CC	20 0194				65	115	53	104	111	66	115	42				101	55	109	43	90
2	CC	22	0455	4.66	CC	20 0342	104	108	104	1.21	0.88	1.49	0.83	-0.10	2.03	4.72	4.48	85	1	0					
	95158150				CC	18 0548				66	106	54	113	112	67	102	49				96	57	103	46	92
3	DVB	21	0198	3.29	DVB	18 0347	103	114	96	2.32	0.40	1.56	2.67	-3.00	0.92	3.29	-12.46	2	0	0					
	91794065				DVB	19 0244				63	116	52	105	112	64	112	45				84	55	98	38	95
4	CC	22	0349	4.66	CC	20 0342	102	104	103	0.69	0.68	1.03	0.36	1.40	2.21	5.49	6.86	80	1	0					
	95153474				CC	19 0353				65	101	53	110	107	67	100	47				101	56	104	46	90
5	CC	23	0210	3.46	CC	19 0576	101	103	108	0.12	1.02	1.09	1.18	1.40	1.99	3.07	3.10	0	0	0					
	96795984				CC	17 0516				66	96	57	116	107	68	104	52				101	59	103	48	96
6	CC	22	0561	3.63	CC	21 0025	99	111	97	1.60	0.57	1.37	2.75	-2.80	0.49	2.89	-10.92	0	0	0					
	95153375				CC	19 0560				65	110	53	108	110	67	113	45				85	56	96	43	96
7	CC	23	0078	2.46	KI	20 0260	96	101	87	1.41	-0.71	0.00	0.86	-1.20	-0.01	3.34	-16.64	0	0	0					
	96794920				CC	18 0442				65	108	52	86	96	66	102	42				91	55	94	43	95
8	DPIV	19	0006	1.42	DPIV	15 0008	95	97	94	0.22	0.10	0.21	-0.49	0.80	0.80	9.04	-9.28	90	5	0					
	83199646				DPIV	17 0036				69	97	66	100	98	70	95	56				99	65	98	48	82
9	AMS	21	0344	1.74	AMS	18 0059	94	89	102	-1.21	0.51	-0.10	-2.05	-1.30		-7.05	-11.12	0	0	0					
	93123982				AMS	16 1023				5	84	5	107	95	5	86	5				91		26	119	29
10	AMS	21	0326	2.13	AMS	18 0059	94	89	102	-1.21	0.51	-0.10	-2.05	-1.30		-6.75	-11.62	1	0	0					
	93123818				AMS	19 0090				5	84	5	107	95	5	86	5				91		26	118	30
11	AMS	21	0321	2.13	AMS	18 0059	93	89	102	-1.21	0.51	-0.10	-2.05	-1.30		-7.13	-8.73	0	0	0					
	93123776				AMS	19 0052				5	84	5	107	95	5	86	5				91		27	119	30
12	SATM	23	0040	2.55	SATM	21 0156	92	89	100	-1.21	0.51	-0.10	-2.05	-1.30		-5.46	-5.29	0	0	0					
	98649015				SATM	21 0783				5	84	5	107	95	5	86	5				91		5	115	5
13	SATM	23	0039	2.55	SATM	21 0156	92	89	100	-1.21	0.51	-0.10	-2.05	-1.30		-5.46	-5.29	0	0	0					
	98648991				SATM	21 0783				5	84	5	107	95	5	86	5				91		5	115	5
14	SATM	23	0033	2.55	SATM	21 0156	92	89	100	-1.21	0.51	-0.10	-2.05	-1.30		-5.46	-5.29	0	0	0					
	98649452				SATM	21 0751				5	84	5	107	95	5	86	5				91		5	115	5

Ewe Selection List: LMI

Animals sorted on LMI

Inbreeding in red is high

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Above breed average
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Index: Expresses the EBV around 100 where 100 is set as the average EBV of active animals

Animal Information				Parents		Selection Indices			EBV - Weights						EBV - Fertility								
Animal ID Computer nr				% In-breeding	Sire ID Dam ID		LMI	GI	RI	Weaning Weight		Comb	Post-Wean		Number Weaned		TWW	AFL		ILP	EPI	Times Lambded	
										Dir	Mat		EBV	EBV	EBV	EBV		EBV	EBV				EBV
										Acc Index	Acc Index	Acc Index	Acc Index	Acc Index	Acc Index	Acc Index	Acc Index	Acc Index	Acc Index	Acc Index	Phenotype		
Active Breed Average:							100	100	100	-0.08	-0.03	-0.07	-0.49	0.59	0.24	-0.13	-0.36						
15	CC	22	0483	5.90	CC	21 0147	90	92	84	0.53	-1.17	-0.91	-0.33	1.50	0.26	1.71	8.16						
	95158879				CC	20 0500				63	100	51	78	41	102	53	95	41	99	35	83	88	1
16	CC	23	0169	6.18	CC	21 0100	90	109	85	1.64	0.20	1.02	2.16	-4.90	-1.10	1.89	9.11						
	96783592				CC	19 0169				62	110	47	101	41	77	51	89	37	98	36	82		0
17	CC	22	0636	5.87	CC	20 0633	81	94	77	0.40	-0.76	-0.57	-0.10	-2.40	-1.81	4.95	9.80						
	95157517				CC	21 0449				59	98	42	85	36	87	47	86	34	91	34	80		0