

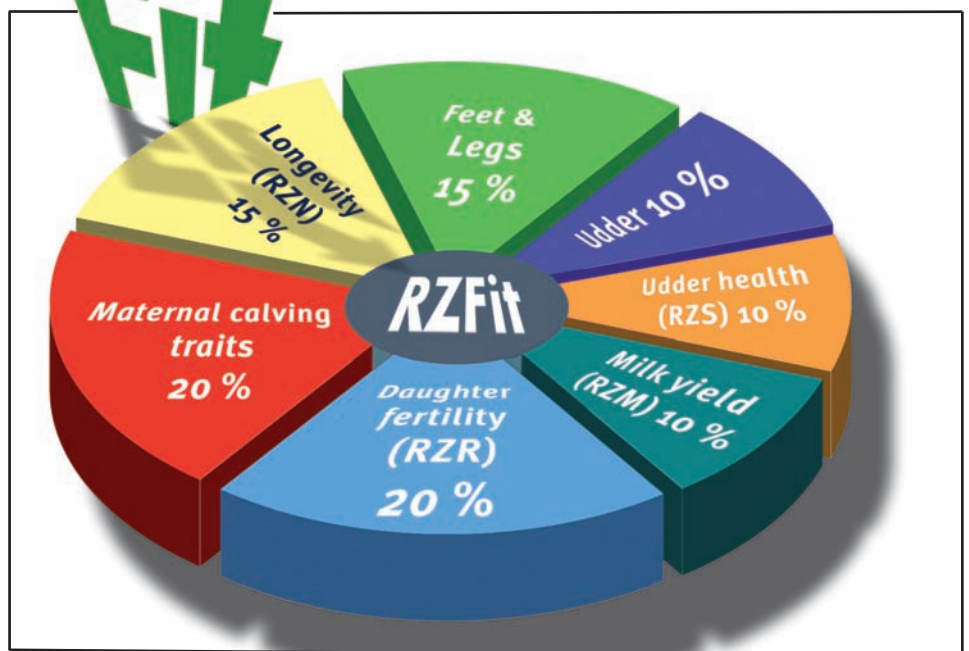


Gibor-daughter Hilla, 6 La

Photo: Elly Geverink

## New fitness index: RZFit

Following requests from practical farmers, VIT has developed a fitness index. With the new RZFit, it is easy to make a selection from the large number of proven Holstein bulls to find those with the best fitness traits. It has been shown that German Holstein breeding offers bulls that transmit these traits very positively, resulting in real improvement. There is a genetically negative relationship between most fitness traits and milk yield. As a solution to this, the addition of 10% of production traits was included as an adequate compromise. On average, the top bulls in RZFit have a RZM of almost exactly 100. When selecting according to RZFit, the genetic level for milk yield is also taken into consideration. Overview 1 shows that daughter fertility and calving traits are weighted the highest in RZFit with 20% each, followed by 15% for longevity. There are two leaders among the Holstein fitness bulls: Gibor and Laudan who also rank very high for RZG. The Red Holstein



Overview1: New fitness Index RZFit: important fitness traits combined with milk yield

list is also headed by two sires, really popular with breeders: Laurel and Carmano. The big

national and international test capacity in Holstein breeding programmes with different

continued on backside

continued: New breeding value RZFit

breeding goals, creates the possibility of finding even better sires for fitness traits among

the top Holstein bulls than in any other breed. The RZFit was developed as an easily used

index to find these bulls.



**Table: The highest GGI bulls listed according to RZFit**

Holsteins	Name	HB-No.	Sire	Dam's Sire	Born	RZG	RZR	CEm	SBm	RZN	F&L	Udder	RZS	RZM	RZFit	Rel.Fi.
	Gibor	667908	Gibbon	Sunnyboy	1997	143	119	101	107	132	132	113	128	120	144	99
	Sallas	328275	Stormatic	Rudolph	2003	125	119	113	105	121	129	131	119	98	139	67
	Laudan	810695	Lukas	Raider	1998	134	109	101	107	137	116	122	123	111	135	99
	Rahn	821429	Ramos	Prelude	2003	131	112	110	100	125	123	116	126	111	134	64
	Leif	801705	Lukas	Zack	1999	130	117	104	107	131	102	119	130	109	133	98
	Millennium CV	821119	Mtoto	Luke	1999	131	94	97	107	122	135	121	139	112	132	94
	Zabel	802579	Zappa	Lukas	2002	125	115	110	112	124	111	113	122	107	132	70
	Eskimo CV	667211	Esquimau	Blackstar	1996	108	121	108	114	126	112	115	118	85	131	98
	Douglas	801759	Durham	Blackstar	2000	110	111	101	106	127	126	130	123	82	131	93
Mascol ET	840515	Mtoto	Rudolph	2000	144	110	100	98	116	121	112	125	134	130	94	
Red Holsteins	Name	HB-No.	Sire	Dam's Sire	Born	RZG	RZR	CEm	SBm	RZN	F&L	Udder	RZS	RZM	RZFit	Rel.Fi.
	Laurel	925880	Lay Out	Caveman	1999	121	119	108	103	128	125	113	110	99	132	97
	Carmano	915758	Cadon	Lay Out	2001	130	107	101	100	127	123	125	120	109	131	68
	Koppel	913637	Koerier	Hondo	1996	117	116	105	104	137	107	101	122	95	127	96
	Bigger	912939	Bingle	Blackstar	1996	110	126	103	106	122	106	105	112	91	124	96
	Asgaard	596545	Achtung	Laredo Red	2002	113	117	104	101	106	110	119	121	99	122	65
	Faromir	596291	Faber	Koerier	2002	124	106	100	99	112	126	113	105	113	120	62

Abbreviations: HB-No.= Herdbook number; CEm= Maternal calving ease; SBm= Maternal still birth rate; Rel.Fi.: Reliability RZFit; F&L= Feet&Legs

## EVENTS

- ▶ 19<sup>th</sup> November  
**"Blickpunkt Rind"**, Paaren  
*Rinderproduktion Berlin-Brandenburg GmbH (RBB)*
- ▶ 23<sup>rd</sup> November  
**"Elite Auktion 2009"**, Hamm  
*Deutscher Holstein Verband e.V. (DHV)*
- ▶ 11<sup>th</sup> December  
**"Nikolausschau"**, Hamm  
*Rinderzucht Sachsen Anhalt eG (RSA)*
- ▶ 28<sup>th</sup> January 2010  
**"Neumünster am Abend"**, Neumünster  
*Rinderzucht Schleswig Holstein eG (RSH)*
- ▶ 6<sup>th</sup> February 2010  
**"Hessens Zukunft"**, Alsfeld  
*Zucht- und Besamungsunion Hessen (ZBH)*
- ▶ 12<sup>th</sup> February 2010  
**"WEU Konvent"**, Oldenburg  
*Weser-Ems-Union eG (WEU)*

German version available as PDF:  
[www.ggi.de](http://www.ggi.de)



## Lasso-daughter: top lifetime production in Israel

In the annual report 2008 of the dairy industry of Israel, a Lasso-daughter can be found on No. 1 in the list of cows with the highest lifetime production. The animal with barn number 6492 of the Ma'ale Gilboa herd has reached a lifetime production of 200,538 kg milk in her 13th lactation with an average daily production of 40.0 kg with 3.27 % fat and 2.87 % protein.



Lasso

## USA: German bulls successful as sires of sons

The American "Specht Report" lists the most successful sires of sons. Three German bulls can be found among the top 10 in the latest report. Ramos is already on No. 2 whose sons reach 495 \$ NM in average. Lancelot follows on No. 4, his sons reach 377 \$ NM. Laudan is closely on No. 6. His sons make an average \$ NM of 363. A really remarkable result.



Laudan

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Printed in Germany

## Many exciting new bulls on the list

*A total of 22 new bulls were included in the new bull catalogue and sales list – 16 Holsteins and 6 Red Holsteins. The top spot is still held by Mascol but the highest newcomer, Ramos-son Radon, is close behind. The first O-Man, Lancelot, Titanic and Emil sons open up new possibilities as did the September RF, Talent RF and Kian sons for Red Holsteins.*

### Holsteins

**Mascol** still maintains his top position with almost 4,000 German and over 2,000 international daughters. **Gibor** now ranks No. 2 with steady figures and more than 11,000 daughters. The highest newcomer is **Radon** at No. 3. He is the first Ramos-son to overtake his famous sire by combining excellent functional traits with lots of milk and +0.10% protein (see bull portrait). The highest O-Man-son and new in the top-10 is **Orcas**. He excels in milk production with +1,847kg and +0.12% protein (RZM 136). For functional traits he is a true O-Man: RZS 110, RZR 110, RZN 113. In addition to Orcas, three more new O-Man-sons complete the list. **Omercy** (MGS Blitz) breeds exceptional size and depth combined with lots of milk (+2,041kg, RZM 132). **Omro**



*Jardin*-daughter **Barbie** (Italy)

(MGS Aaron) is a very complete O-Man with especially good udders (123). As well as +0.11% protein he offers very good udder health (RZS 128), longevity and fertility. **Omega** (MGS Marshall) offers good, all-round figures.

### New bulls from different fathers

**Calysto** is one of only a few Champion-sons that can combine high production (RZM 134) and conformation figures (RZE 125). For detailed information please see the bull portrait. The Emil-son **Elite** descends from the

popular cow, Citation Roxy (through Storm, Michael, Christopher and Elevation). His conformation figures with an RZE of 116 are balanced with high production (+2,126kg; RZM 132).

Aspen and Lanon are the first Lancelot-sons in active service. **Aspen** (MGS Garter) breeds stylish daughters with good udders and high production (RZM 130, read more in the bull portrait). **Lanon** (MGS Aaron) has less kg milk but high protein (+0.11%, RZM 125) and excellent udders.

**Rivalos** (Riverland x Mtoto x Corsaro) is a new all-rounder with strong functional traits (RZS 121, RZN 116, RZR 111). **NOG Badus** offers with Breakout x Eminenz x Cleiber a different pedigree and very high components (+0.67% fat, +0.36% protein, RZM 123).

The list of newcomers is completed by four conformation specialists. **Tilo** is an early Titanic (MGS Webster) with very good feet & legs (124) and udders (127) with a RZE of 131. Besides conformation he is positive for protein with +0.07% (RZM 112) and easy calving. **Tequila RF** (Talent x Rubens RF) is interesting for red and black breeders with especially fantastic udders (130). **Modell** (Morty x Durham; RZE 139) and **Mirror** (Merchant x Rudolph; RZE 138) are right at the top of the breed for overall conformation.

### Proven Bulls

The well-known sires should not be forgotten among the many newcomers. First of all **Cassano**: possibly the best Champion-son worldwide. He impressed at the German Holstein Show in Oldenburg with a winning progeny group of great second lactation cows (RZE 127). He is the big winner of this proof run with +7 RZM points to 128 as well as +4 RZS points to 122. The daughters of protein specialist **Eminem** are now in third lactation and keep him at a high level for longevity (121). **Stylist** is right at the top (RZM 132, RZE 128) as is Zappa-son **Zar** (RZM 128, RZS 123, RZE 113). The Ramos-son **Rotary** is one of the winners with +6 RZM points to 116 (RZE 121, RZS 128, RZN 122, RZR 112). Champion-son and conformation bull **Charts** (RZE 128) improved by 6 RZM points to 118. Gibor-son **Giseh** increased for production by +5 points to a RZM of 120. **Strobel** (RZE 129) improved for longevity (RZN 118, +6). The conformation bulls **Sallas** (RZE 134) and **Zabing RF** (RZE

141) both went up for production +3 and **Alliance** (RZE 142) +2 points. An increase of 12 points to a RZN of 126 and 6 RZS points to 126 make Zenith-son **Zenjo** a winner of this run.

The Step-son **Sascha** and the Throne-son **Truman** were new bulls in the previous list. Sascha decreases in production to an RZM of 111 (-4) but gains 5 RZE points to 135. Equally the same is true for Truman with an RZM of 109 (-3) and an RZE of 131 (+9).

### High reliability with second crop

**Jardin** develops very well with a doubling of his daughters to 772. With a constant RZM of 133, he rises for daughter fertility and RZE (124, +1) and ranks at No.6. **Laudan** is unchanged with almost 35,000 German daughters. With another slight increase **Leif**, now more than 8,500 daughters continues to improve, making him one of the best Lukas-sons. **Junker** doubles his number of daughters to 3,190 and slightly improves his RZM to 123. **Emil II** gets many new daughters. Slight loss in RZM is compensated for by gains in udder health and daughter fertility. **Monami** gets many second crop daughters for the first time and increases by 2 RZG points (RZM 115, +2; RZE 122, -2; RZN 119, +3). The oldest Jocko-son **Jannsen** already has 8,200 daughters and has slightly improved his RZG by +4 RZN points to 108 (RZE 129). The outcross bull **Tiamo** (Tanker x Corsaro) acquitted himself well with his first second crop daughters (RZM 109, -2; RZE 124, -2).

### Red Holstein

**Jerudo** as the highest active bull has almost unchanged figures with his daughters now in 2nd lactation and is in high demand (RZM 127, RZE 123, RZS 112). **Malvoy** gains 2 points



*Carmano*-daughter **Alone**, 3 La

for production to a RZM of 130 and has constant conformation (RZE 118). Sexed semen

Comments on August proof run continued on backside

continued: Comments on August proof run

of Malvoy is now available. **Carmano** could enter the top 5 adding the first 14 second crop daughters. **Stabilo** remains the highest Stadel-son (RZM 117, RZE 118, RZN 123).

## New

September Storm RF is the sire of two exciting new bulls: Sabiner and Vincente.

**Sabiner** (dam Laredo x Milestone) improved for RZE (116), RZS (122) and RZM (121) compared to his first preliminary proofs in April and is an all-round bull. **Vincente** (dam Golden-Oaks Celsius Valentine) descends from the Scarlett-family and was co-tested in the US. His stylish, very correct daughters impressed at the German Holstein Show with excellent locomotion and high rear udders (RZE 118, RZM 119).

**Kiska** is the first high Kian-son in Germany (MGS Ronald). He breeds – like his sire – high

components but with a clearly better protein/fat ratio (+0.18% fat, +0.21% protein; RZM 121). The conformation details (RZE 115) show a good linear for udder (112) and feet and legs (119). New on the selling list is Komtur-son **Kanzler** (MGS Stoll). He greatly improved. After increasing by two points in April, he again gains 3 RZM points to 110. With constant very high overall conformation (RZE 132) and improved udder health (RZS 111, +6) he offers interesting alternatives. Twix (Talent x Faber) is a new conformation star with RZE 135. The average-sized Twix-daughters excel in feet & legs and udders.

## Proven Bulls

With now more than 4,500 daughters and constant increases in his conformation (RZE 119 +1), **Ludox** entered the top-10 and is the highest 99% reliability bull (RZM 125). **Bravisi**

drops by 2 RZM points (123), but gains 2 points for overall conformation (RZE 113) with 500 new daughters. **Faromir** (RZM 113, RZE 123) and **Ruleto** (RZM 119, RZE 125) do not change much and remain in the top-25. With his older second crop daughters, the fertility specialist **Laurel** (RZR 119) gets a boost for longevity with an RZN of 128 (+6). **Tiscali** (s. Tribute) keeps on improving his RZS (122, +4), RZN (109, +2) and RZR (96, +2). **Ruacana** is the Rubens-Red-son in highest demand because of his outstanding conformation transmission (RZE 132) with enough production (RZM 116). **Lypoll P** loses a bit for production (RZM 108, -1) and longevity (RZN 107, -6). As a polled sire with good conformation he is still interesting (RZE 124). Rustler – together with the new Twix – stays the highest active conformation sire with a constant RZE of 135 based on more than 10,500 daughters.

## German Holstein Show 2009

*The well-attended German Holstein Show took place on June 18<sup>th</sup> 2009 in the city of Oldenburg. The jury judged 230 Holstein and Red Holstein cows of high quality and excellent conformation.*

They attached importance to dairy animals with correct body and good locomotion as well as enough strength. Udder quality was also very important to them.

In front of a big audience, Holsteins were judged in four age groups and Red Holsteins in three. The Ticket-daughter ZS E Mail won the

The well-known Juote-daughter HSK Hawaii scored a victory in the Senior cow class.

## Red Holstein

Reserve champion of the heiferclass was Joyboy-daughter Tiana, a youthful and very dairy heifer with outstanding feet and legs. The previous evening, she was sold for 5,000 € at the DHV Genetik Auction.

Reserve champion of the middle class

(s. Lentini) and Feuer (s. Cadon).

## Progeny groups of new and proven sires

Daughter groups of bulls for the future Aspen, Elite, Mirror, Radon, Rainman, Tilo and Vincente were shown without or with preliminary breeding indexes. As well as current top sires, Cassano, Ruacana, Sallas and



*Big audience and many impressive Holstein groups*

heifer class. This stylish, juvenile heifer with lots of development potential descends from a Jedstar-dam.



*Progeny group of top sire Cassano*

was Rustler-daughter Hazia, who impressed with a perfect udder.

Senior cows were presented in one class. Dunja (s. Faber) impressed, being in perfect condition and was placed ahead of Lor

Zabing, second crop daughters of Emil II, Janos, Jetlag and Ludox were presented.

A description of the GGI members' progeny groups is available on our website "www.ggi.de" in the news of the German Holstein Show 2009.



## Radon 672586 TLTV

(Ramos x Manfred x Patron x Mascot)

Radon is not just the highest newcomer at No.3 but the first of now 20 proven Ramos-sons that can overtake his famous father. Radon (original name Welcome Willbee) was bred out of a US Manfred that was classified VG88 as a 2-year-old. His high production transmission with an RZM of 129 and +0.10% protein probably comes from that. The solid overall conformation with RZE 115 is clearly underestimating Radon's potential. His uniform daughter group at the German Holstein Show in Oldenburg impressed with excellent feet & legs and, despite their high milk yield, well-attached udders with squarely placed teats and very good texture. The average to tall Radon-daughters show a good balance of capacity and maturing potential. Radon is very high in all figures for functional traits: low cell count (RZS 118), very good daughter fertility (RZR 114), daughter calving ease (108) and highly predicted longevity (RZN 125). Radon as the highest Ramos-son is used in all main Holstein programmes as a sire of sons.



	88	100	112	124
Dairy Character (Index)				100
Body (Index)				109
Feet and legs (Index)				115
Udder (Index)				109
RZE (Index)				115



## Calysto 566609 TLTV

(Champion x Patron x Luke x Bell Elton)

Out of more than 550 Champion-sons in the Interbull list – 150 from Germany – only a few can combine production and conformation at such a high level. Calysto is one of these rare Champion-sons having the potential to be an influential sire of sons. His production figures are outstanding with +2,491kg milk and a RZM of 134. The linear is fantastic (RZE 125). The tall and very stylish Calysto-daughters have wide, optimally sloped rumps and all the other preconditions to grow into great cows. Udders are positive in all aspects, the wide and high rear udders being particularly impressive. The influence of the well-known Danish dam T Patron Claire EX90 can be seen here. Claire is the best of the daughters of the famous Tirsvad Luke Classic EX90, the cow family behind e.g. Juwel. Calysto-daughters milk fast (RZD 113) and have a low somatic cell count (RZS 104).



	88	100	112	124
Dairy Character (Index)				130
Body (Index)				124
Feet and legs (Index)				108
Udder (Index)				116
RZE (Index)				126



## Aspen 505635 TLTV

(Lancelot x Garter x Manfred x Col Duster)

Aspen – like Radon – was bred by Welcome Farms, Schuylerville/NY. Lancelot bred to Pen-Col Garter Aspen resulted in an international top sire with +2,250kg milk with almost neutral protein percentage (RZM 130). In the maternal pedigree via Vision-Gen Manfred Allie EX90 and Col Duster-daughter Dixie-Lee Audrey, the famous Dixie-Lee Aspen EX92, the dam of Aaron, can be found. Besides high production Welcome Aspen transmits a very balanced good conformation. The tall Aspen-daughters are very long. The daughter group at the German Holstein Show impressed with wide and perfectly sloped rumps. Aspen-calves are born easily and his daughters have very good calving abilities (107). The udders have strong suspensory ligaments and perfectly placed teats with optimum length. The milking speed is high. 111 Aspen-daughters are already included in his first official proof.



	88	100	112	124
Dairy Character (Index)				109
Body (Index)				113
Feet and legs (Index)				109
Udder (Index)				119
RZE (Index)				120



# Current proofs of GGI top sires (August 2009)



Name	Herdbook-Number	Sire	Dam's Sire	Milk-kg	Fat-%	Fat-kg	Protein-%	Protein-kg	RZM	Reliability in %	Daughters	Herds	Dairy Character	Body	Feet & Legs	Udder	RZE	RZR	RZS	RZN	RZG	Calving Ease	aAa
Mascol ET	840515	Mtoto	Rudolph	+1619	0.09	+75	+0.14	+69	134	99	6255	2169	105	103	121	112	118	110	125	116	144	***	165234
Gibor	667908	Gibbon	Sunnyboy	+1778	-0.33	+40	-0.06	+55	120	99	11813	4227	86	90	132	113	117	119	128	132	143	***	213456
Radon	672586	Ramos	Manfred-ET	+1621	-0.07	+59	+0.10	+66	129	88	71	66	100	109	115	109	115	114	118	125	143	**	n.a.
Jardin	141437	Jocko Besn	Tonic	+1490	-0.13	+49	+0.24	+74	133	99	772	501	104	106	122	119	124	106	93	109	139	***	243615
Orcas	328824	O-Man	Emerson	+1847	-0.06	+70	+0.12	+75	136	87	72	66	106	104	106	101	105	110	110	113	139	**	432615
Omeryc	672598	O-Man	Blitz	+2041	-0.01	+82	-0.03	+66	132	90	90	69	106	123	111	106	116	105	110	113	135	**	n.a.
Cassano	328422	Champion	Convincer	+2109	-0.17	+69	-0.08	+63	128	95	158	135	124	125	119	112	127	104	122	106	135	***	651423
Laudan	810695	Lukas	Raider	+1569	-0.36	+29	-0.11	+43	111	99	38564	9789	109	80	116	122	116	109	123	137	134	***	162543
Eminem	810944	Eminenz	Maloy	+1213	+0.03	+53	+0.16	+57	124	95	117	56	117	100	119	112	119	103	105	121	134	**	351426
Calysto	566609	Champion	Patron	+2491	-0.30	+70	-0.11	+73	134	90	91	74	130	124	108	116	125	98	104	106	134	**	n.a.
Elite	633809	Emil	Storm	+2126	+0.02	+89	-0.07	+65	132	84	54	40	120	103	112	111	116	—	100	107	134	*	132564
Stylist	632644	Steven	Gibbon	+1410	+0.03	+61	+0.21	+69	132	95	138	108	117	108	124	121	128	88	98	108	134	**	513624
Zar	802593	Zappa	Amaretto	+1653	+0.11	+79	+0.03	+59	128	95	137	60	97	99	105	120	113	97	123	112	134	***	516342
Aspen	505635	Lancelot	Garner	+2250	-0.47	+43	-0.04	+72	130	92	111	56	109	113	109	119	120	106	96	105	134	**	n.a.
Rotary	143311	Ramos	Zack	+1533	-0.25	+38	-0.03	+49	116	93	111	99	97	123	119	110	121	112	128	122	134	**	621453
Charts	142262	Champion	Formation	+1779	-0.28	+44	-0.10	+51	118	93	104	93	119	116	112	125	128	107	119	116	132	**	243165
Giseh	671974	Gibor	Bombay	+1712	-0.27	+43	-0.04	+54	120	92	93	86	102	84	118	110	110	107	110	119	131	**	513642
Junker	810821	Jocko Besn	Lasso	+1652	-0.23	+45	+0.03	+59	123	99	3190	444	104	102	114	106	111	116	111	109	131	**	315264
Omro	672715	O-Man	Aaron	+1196	-0.09	+41	+0.11	+51	119	92	154	117	89	110	108	123	119	105	128	117	131	***	462351
Eleve	142245	Emerson	Storm	+2047	-0.47	+35	-0.14	+55	119	96	155	139	126	116	129	125	137	104	104	110	130	***	162534
Leif	801705	Lukas	Zack	+ 849	+0.25	+58	+0.01	+30	109	99	8644	2500	83	121	102	119	116	117	130	131	130	**	453216
Lanon	144425	Lancelot	Aaron	+1525	-0.24	+39	+0.11	+63	125	90	89	82	113	102	107	127	122	96	110	110	129	**	234156
Emil II	140098	Emerson	Esquimau	+1059	+0.20	+62	+0.15	+50	121	99	1966	985	97	109	113	106	111	110	106	116	129	**	612534
Juwel	632734	Jesther	Lord Lily	+2419	-0.72	+22	-0.26	+55	116	95	113	80	108	107	118	119	123	97	115	119	128	**	315264
Sascha	811019	Step	Esar	+1732	-0.33	+38	-0.19	+41	111	94	126	58	113	107	132	128	135	105	101	111	128	**	615243
Monami	670016	Mtoto	Lee	+1226	-0.18	+33	+0.05	+46	115	97	337	227	106	103	122	118	122	101	110	119	128	***	342156
Jurus	810868	Jesther	Esentation	+1253	+0.07	+58	+0.04	+47	118	95	165	72	118	103	105	127	122	107	127	104	127	***	132654
Truman	328696	Throne	Lee	+1094	-0.13	+33	-0.01	+36	109	93	112	97	124	107	131	119	131	110	117	116	127	**	231456
Rivalos	840711	Riverland	Mtoto	+1202	-0.16	+34	-0.02	+40	111	89	67	38	95	100	115	119	117	111	121	116	126	**	n.a.
Sallas	328275	Stormatic	Rudolph	+ 817	-0.13	+22	-0.08	+20	98	95	151	122	99	110	129	131	134	119	119	121	125	**	162534
Jelder	821367	Jesther	Basar	+2453	-0.66	+29	-0.17	+65	123	95	122	92	117	131	117	127	136	82	104	104	125	**	153642
Tilo	802653	Titanic	Webster	+1001	-0.07	+35	+0.07	+40	112	91	102	45	99	114	124	127	131	106	101	105	124	***	231456
Zabing RF	565916	Zunder	Rudolph	+1036	-0.09	+34	+0.01	+36	109	95	143	117	112	129	130	129	141	99	116	110	123	**	132465
NOG Badus	490459	Breakout	Eminenz	+ 477	+0.67	+78	+0.36	+48	123	92	111	85	106	107	104	114	113	98	96	106	123	**	n.a.
Strobel	802586	Stormatic	T Funkis	+1304	-0.18	+36	-0.18	+27	103	94	116	58	105	115	123	122	129	110	115	118	122	**	162534
Tequila RF	328907	Talent2	Rubens RF	+1148	-0.32	+17	+0.00	+39	108	91	101	80	110	99	110	130	124	101	112	117	121	**	156324
Zenjo	840685	Zenith	Winchester	+ 855	+0.37	+69	-0.01	+28	109	95	137	36	117	104	105	123	120	90	126	126	121	***	321456
Jannsen	821197	Jocko Besn	Mandel	+1554	-0.29	+35	-0.15	+38	109	99	8218	3059	118	120	133	109	129	101	102	108	119	**	351426
Tiamo	326769	Tanker	Corsaro	+417	+0.17	+32	+0.24	+35	109	96	235	160	103	122	118	114	124	100	105	109	117	**	426135
Alliance	142272	Allen	Lee	+685	-0.12	+17	+0.02	+26	101	97	259	179	119	129	127	130	142	101	118	108	116	*	243615
Mirror	822037	Merchant 2	Rudolph	+935	-0.29	+11	-0.10	+23	98	92	112	80	116	122	124	131	138	103	104	108	113	**	126354
Modell	143342	Morty	Durham	+893	-0.30	+9	-0.20	+12	91	93	127	116	109	126	121	134	139	105	97	102	105	*	243615
Jerudo	922393	Jerom	Rudolph	+1341	+0.18	+73	+0.09	+53	127	95	209	130	106	118	116	116	123	112	112	105	134	***	564123
Malvoy	916301	Marmax RF	Celsius	+2304	-0.62	+39	-0.10	+69	130	95	269	172	106	111	124	105	118	102	98	108	133	**	534126
Carmano	915758	Cadon	Lay Out	+1003	-0.07	+37	-0.02	+32	109	94	121	107	112	103	123	125	128	107	120	127	130	**	432516
Sabiner	922472	September	Laredo Red	+1965	-0.05	+79	-0.24	+45	121	87	56	36	113	106	111	112	116	105	122	109	128	**	n.a.
Pandora	916884	Paradox	Yava	+1471	+0.33	+91	+0.01	+51	127	86	49	48	121	96	110	110	112	94	113	107	128	***	423651
Ludox	915040	Lucky Red	Patron	+1777	+0.02	+77	-0.10	+51	125	99	4566	2139	114	126	111	108	119	95	98	111	128	*	231456
Stabilo	922092	Stadel	Laredo Red	+1453	-0.03	+59	-0.09	+42	117	93	97	65	105	105	111	118	118	87	105	123	125	***	564123
Bravisi	297571	Cliffhanger	Milestone	+1729	+0.04	+77	-0.12	+48	123	99	1535	768	131	108	105	106	113	97	105	110	125	**	315
Kiska	916934	Kian	Ronald	+883	+0.18	+52	+0.21	+47	121	87	66	58	86	103	119	112	115	93	120	111	125	**	156234
Vincente	297788	September	Celsius	+1499	+0.03	+67	-0.09	+43	119	90	134	88	109	106	120	111	118	95	106	111	124	**	513
Faromir	596291	Faber	Koerier	+964	+0.04	+44	+0.04	+36	113	93	87	70	115	104	126	113	123	106	105	112	124	**	651423
Ruleto	916920	Rubens	Lightning	+1326	-0.08	+49	+0.01	+46	119	89	66	59	106	116	118	120	125	99	98	103	123	**	156324
Kanzler	597108	Komtur	Stoll	+677	+0.40	+60	+0.06	+28	110	92	90	74	98	113	129	126	132	99	111	107	122	**	561423
Laurel	925880	Lay Out	Caveman	-52	+0.39	+26	+0.23	+15	99	99	8513	3765	102	98	125	113	119	119	110	128	121	***	156342
Ruacana	926406	Rubens	Lentini RF	+1288	-0.23	+35	+0.00	+44	116	92	94	76	124	112	121	125	132	93	104	103	121	**	246135
Tiscali	926297	Tribute	Tulip	+1509	-0.48	+23	-0.07	+45	114	92	86	71	116	117	107	120	123	96	122	109	121	**	321456
Lypoll P	916401	Lyon-Red	Cliffhanger	+1522	-0.34	+35	-0.23	+32	108	94	143	123	106	109	114	123	124	93	112	107	116	**	651432
Caribic	921987	Cared	Tulip	+1103	-0.16	+33	+0.00	+37	112	94	237	99	109	106	112	120	120	102	106	96	115	**	321456
Twix	926491	Talent2	Faber	+566	-0.26	+4	+0.01	+															