Inet = 0,3*kg lactose + 2,1*kg vet + 4,1*kg eiwit

NVImelkdoel = 0,4*Inet +0,08*lvd +4,7*UGH +6,3*VRU +1,8*Uier +3,6*Beenwerk +1,8*GEB +2,7*KGH + 0,23*BVK
NVIdubbeldoel = 0,35*Inet +0,09*lvd +5,2*UGH +5,2*VRU +5,2*Uier +6*Beenwerk +2*GEB + 5,2* VLi

Perspublicatie stierindexen Zwartbont genomisch zonder dochters

December 2019

Ki Ai	Stiernummer Bull number	Stiernaam Bull name	Erf-fa Her-fa	Vader Sire	M-vader MGS	Bt Rel	NVI NVI	+/- +/-	Bt Rel	kgM kgM	%V %F	%E %P	%L %L	kgV kgF	kgE kgP	KgL KgL	INET INET	+/- +/-	BVK SFCM	Bt Rel	Lvd Lon	Ugh Udh	Vru Fer	Gin Cal	Geb DCE	KA Tem	MS MS	Kgh CLW	Bt Rel	F F	T DS	U U	B F&L	Ext T
Melkdoel Zwart							pnt			**Productie**							**€**		**€**					**Functioneel**						**Exterieur**				
Tot	DE 0540415190	**Dg Dv Simax**		Imax	Jedi	63	**+418**	*+7*	70	+1908	+0.14	-0.02	+0.02	+96	+64	+89	**+491**	*+4*	+22	52	+1035	107	106	109	103	103	100	106	70	103	104	113	102	**109**
	DE 0770738542	**Vh Baboon**		S-S-I Franchise	Barcley	62	**+409**	*n*	69	+2664	-0.14	+0.02	+0.07	+97	+95	+129	**+632**	*n*	+23	51	+799	105	104	106	107	104	104	104	69	99	99	105	102	**103**
Tot	NL 626251510	**Dg Eagle**		Imax	Montross	64	**+399**	*+14*	70	+2422	+0.05	-0.06	-0.01	+109	+78	+109	**+581**	*+42*	+46	53	+728	105	106	107	103	105	97	102	70	100	102	110	100	**106**
Mas	DE 0540499486	**Genesland Bellroy**		Benz	Finder	63	**+399**	*-10*	69	+1730	+0.00	+0.16	+0.09	+74	+77	+88	**+498**	*-9*	-11	52	+785	107	108	105	107	105	98	104	69	100	104	112	104	**109**
CRV	BE 214053521	**Delta Podcast**		Simba	Laurent P Rf	63	**+399**	*n*	69	+1436	+0.25	+0.11	+0.03	+87	+61	+69	**+454**	*n*	-31	52	+929	108	105	111	102	104	95	108	70	104	106	108	107	**110**
Mas	DE 1404580609	**Lenovo**		Legendary	Josuper	65	**+397**	*+10*	71	+1971	+0.32	-0.02	-0.01	+118	+67	+89	**+549**	*+19*	+55	52	+925	106	103	109	101	104	100	105	71	96	100	110	99	**104**
CRV	NL 743430180	**Delta Bonjour**		Sidekick	Guard	65	**+396**	*-22*	71	+1037	+0.14	+0.10	+0.03	+58	+46	+50	**+325**	*-42*	+19	55	+887	109	113	110	102	103	97	104	71	97	101	113	104	**108**
CRV	NL 598753212	**Lowlands Blessing**		Jethro	Final	64	**+395**	*n*	70	+1332	+0.24	+0.23	+0.04	+81	+70	+65	**+477**	*n*	+1	53	+787	108	104	106	110	104	99	107	70	101	106	107	110	**110**
CRV	NL 565113832	**Velder Starmaker**		Adorable	Mobile	63	**+395**	*+2*	69	+524	+0.46	+0.28	-0.04	+65	+44	+20	**+323**	*-20*	+13	54	+862	110	110	109	102	106	96	107	70	97	104	111	108	**110**
	DE 0361614526	**Nn Rosco**		Royce	Maplehurst Stoi	62	**+394**	*n*	68	+2159	+0.15	-0.08	+0.06	+108	+67	+105	**+533**	*n*	+18	51	+981	108	102	102	107	105	100	105	68	96	100	111	103	**106**
Tot	DE 0770497966	**Nh Sunview Mitch**		Kerrigan	Balisto	66	**+393**	*+106*	71	+1762	+0.37	+0.11	+0.06	+114	+73	+87	**+565**	*+67*	+22	56	+878	107	100	108	101	102	100	105	72	103	102	111	103	**109**
	DE 0360983581	**Carlo**		Casino	Barcley	63	**+392**	*n*	69	+2114	-0.09	-0.01	+0.05	+80	+73	+102	**+498**	*n*	+46	52	+786	106	105	102	104	103	100	104	69	96	101	115	105	**110**
	DE 0540362468	**Calvin**		Casino	Bouw Finder	63	**+390**	*n*	69	+2519	-0.18	-0.04	+0.02	+87	+83	+117	**+558**	*n*	-9	52	+749	104	105	105	108	101	104	105	69	98	103	108	106	**107**
CRV	BE 413723696	**Barnkamper Majestic**		Simba	Montross	63	**+390**	*+9*	69	+1295	+0.08	+0.12	+0.04	+63	+57	+63	**+385**	*+18*	+8	53	+984	107	107	109	104	106	101	107	70	99	103	112	106	**110**
GGI	DK 02468004935	**Charles**		Dg Charley	Silver	66	**+389**	*+112*	71	+2364	-0.14	-0.08	+0.02	+85	+73	+110	**+511**	*+104*	+1	56	+801	106	105	108	102	107	103	105	72	102	106	110	104	**109**
	DE 0360940341	**Vh Keith Kalif**		Keith	Barcley	60	**+389**	*n*	69	+1481	+0.21	+0.16	+0.03	+85	+68	+71	**+479**	*n*	-10	51	+1014	108	103	105	103	107	102	103	69	102	104	115	105	**112**
CRV	NL 665667174	**Delta Floris**		Empire	Reflector	63	**+387**	*-31*	69	+1027	+0.42	+0.09	+0.06	+85	+45	+53	**+379**	*-38*	-20	53	+942	105	106	109	108	105	99	107	70	105	104	114	112	**116**
	DK 2371403162			Hotspot P	Sniper	49	**+386**	*n*	56	+1484	-0.21	+0.03	-0.01	+42	+55	+67	**+334**	*n*	-33	32	+1308	114	109		104		99		57	95	104	116	101	**108**
CRV	NL 666841779	**Delta Epsilon**		Sunfit P	Topgear	63	**+385**	*n*	69	+1999	+0.03	+0.00	+0.09	+88	+70	+101	**+502**	*n*	-33	53	+822	107	101	107	102	101	99	106	70	98	104	112	110	**112**
OBS	DE 0360175040	**Royce**		Roxy B	Supershot	65	**+385**	*-8*	71	+1870	-0.22	-0.10	+0.06	+56	+55	+92	**+371**	*+0*	+54	54	+968	108	107	107	108	105	100	104	70	92	99	117	103	**108**
CRV	NL 865710894	**Midwolder Martin**		Adorable	Penley	64	**+384**	*+10*	69	+2549	-0.23	-0.07	-0.02	+82	+81	+114	**+539**	*+6*	-29	53	+827	105	103	104	97	105	103	106	70	101	105	112	106	**111**
GGI	DE 0667146583	**Hellmuth's Pik As**		Pinterault	Hotshot	63	**+383**	*-2*	69	+945	+0.42	+0.23	-0.04	+81	+55	+39	**+407**	*+20*	+21	51	+870	107	108	104	108	104	96	103	69	98	103	110	108	**109**
	DE 0540050628	**Gymnast Genial Et**		Boldi V Gymnast	Cinema	63	**+382**	*+24*	69	+3268	-0.34	-0.14	+0.00	+98	+97	+149	**+648**	*+16*	+28	52	+710	105	99	103	96	101	91	103	69	100	103	114	101	**108**
Mas	NL 588627231	**Hul-Stein Crownmax**		Imax	Profit	64	**+382**	*-6*	70	+1835	+0.20	-0.02	+0.00	+99	+62	+84	**+487**	*+5*	+38	52	+852	105	104	107	103	100	98	106	69	98	103	112	103	**108**
	DE 0361770811	**Muh Lindy**		Lightstar	Larcrest Comman	62	**+382**	*n*	68	+1866	-0.05	+0.02	+0.02	+74	+67	+87	**+456**	*n*	+18	51	+879	107	106	104	104	104	97	104	69	100	103	114	103	**109**
	DE 0361296626	**Cassiano**		Casino	Ronelee Midnigh	59	**+382**	*n*	69	+1217	+0.39	+0.14	+0.07	+91	+56	+63	**+440**	*n*	+28	51	+860	108	106	105	104	102	97	105	69	96	101	110	104	**106**
CRV	NL 562602414	**Delta Joskin P**	RF PO	Handy P Rf	Silver	64	**+382**	*+2*	69	+1744	-0.14	-0.04	+0.08	+60	+57	+88	**+386**	*-13*	-15	54	+927	106	107	108	102	104	106	108	70	99	106	115	106	**112**
CRV	NL 885570953	**Delta Jens**		Rush Hour Cd	Reflector	63	**+382**	*-13*	69	+1655	-0.14	-0.04	+0.09	+56	+54	+85	**+365**	*-23*	-40	53	+912	109	107	106	107	102	96	105	70	102	106	116	109	**115**
GGI	DE 1504336100	**Garett**		Garick	Altaspring	63	**+381**	*+4*	69	+2477	-0.49	-0.12	-0.03	+50	+73	+110	**+437**	*-3*	+8	52	+885	108	107	103	104	105	101	104	69	101	105	110	105	**109**
CRV	NL 965020507	**Willem's-Hoeve Woody**		Ranger	Jetset	63	**+378**	*-30*	69	+2121	+0.12	+0.05	+0.06	+103	+79	+103	**+571**	*-18*	-6	53	+721	108	99	103	101	102	98	105	70	105	104	112	106	**112**
	DE 1305539564	**Gazebo**		Co-Op Troy Gag	Uecker Supersir	65	**+378**	*-4*	71	+1960	+0.08	-0.10	-0.02	+92	+58	+87	**+457**	*-6*	+70	53	+940	108	105	109	101	104	103	101	70	98	99	111	99	**105**
	NL 566684562	**Zandenburg Daley**		S-S-I Franchise	De-Su 12109 Bat	63	**+377**	*n*	69	+1535	-0.12	+0.05	+0.07	+53	+59	+77	**+376**	*n*	+22	51	+906	109	108	106	106	101	95	103	69	96	102	111	105	**108**
	NL 710202671	**Delta Recruiter**		Magister	Balisto	62	**+376**	*-27*	69	+1657	+0.09	+0.22	-0.01	+80	+81	+75	**+523**	*-19*	+24	56	+798	107	104	106	107	104	101	102	72	98	102	107	103	**105**
	US 3151790865	**Penn-England Scorer**		Fustead S-S-I S	S-S-I Yoder Yal	59	**+375**	*n*	69	+2314	-0.18	-0.07	+0.08	+78	+73	+114	**+497**	*n*	-8	50	+855	106	104	110	100	105	100	104	69	99	105	111	102	**107**
	DE 0770668983	**Rzn Backfield**		S-S-I Franchise	Larcrest Comman	63	**+375**	*+20*	69	+1838	-0.07	-0.01	+0.07	+71	+63	+91	**+435**	*+25*	+72	52	+781	108	106	105	103	104	103	104	69	94	98	115	100	**106**
	CA 12652589	**Stantons Vh Alberta**		Stantons Adorab	Mr Mogul Delta	63	**+374**	*+58*	69	+1729	+0.10	+0.06	-0.05	+84	+67	+74	**+473**	*+50*	+14	52	+834	107	106	109	106	108	107	105	69	103	105	108	100	**106**
	US 3150307021	**Bomaz Fynn-Et**		Frazzled	Rubicon	54	**+373**	*+12*	62	+1808	+0.29	-0.02	+0.00	+108	+61	+82	**+502**	*+25*	+3	39	+865	108	104	110	105		99		64	99	104	106	103	**105**
CRV	BE 313114634	**Delta Magnet**		Galore	Titanium	66	**+373**	*+27*	71	+2578	-0.45	-0.12	+0.04	+59	+76	+122	**+472**	*+80*	-2	58	+706	106	105	105	103	102	97	104	72	97	104	111	108	**110**
CRV	US 3147840216	**Peak Remington**		Altareserve	Altaspring	60	**+373**	*+24*	69	+1568	+0.12	+0.13	+0.01	+79	+68	+73	**+467**	*+21*	-36	52	+699	105	107	108	102	105	103	105	69	107	107	114	105	**113**
	NL 628758020	**Hunter K&I Av Domino**		Avicii	Board Et	60	**+372**	*+4*	69	+1160	+0.31	+0.27	+0.04	+80	+67	+57	**+460**	*+19*	+57	52	+907	107	104	105	104	100	101	103	69	91	99	113	101	**105**
	DE 0360940218	**Painted**		Progenesis Pada	Westenrade Alta	63	**+372**	*+82*	69	+1873	-0.25	+0.01	+0.02	+53	+66	+88	**+408**	*+101*	+14	52	+817	107	110	105	99	106	107	103	70	102	104	111	102	**108**
Adv	DE 0666847161	**Grace Bonka**		Battlecry	Big Point	66	**+372**	*+8*	71	+812	+0.33	+0.23	+0.00	+66	+50	+37	**+355**	*+9*	+82	57	+808	109	107	105	103	103	90	105	72	96	102	111	105	**108**
	DE 0770655539	**Brightside**		Battleship	Sandy-Valley Af	63	**+371**	*+84*	69	+2373	-0.34	-0.12	+0.06	+63	+69	+115	**+450**	*+6*	+5	52	+874	107	105	104	100	104	99	104	69	101	103	111	105	**109**
	US 3133032627	**Green-Banks Best Time**		S-S-I Franchise	S-S-I Headway A	62	**+371**	*+66*	69	+1729	+0.01	+0.01	+0.07	+75	+61	+86	**+433**	*+64*	-22	51	+721	107	108	108	104	103	100	103	68	102	105	114	104	**111**
Tot	FR 1442242412	**Lieu Thomain Baltazar**		Dg Charley	Pepper	66	**+371**	*-5*	71	+1686	+0.00	-0.05	+0.06	+72	+54	+83	**+398**	*+0*	+14	56	+781	110	105	110	103	101	96	105	72	94	103	108	106	**106**
	DE 0540629103	**Wil Hulk P**		Hotspot P	Silverridge V E	62	**+369**	*n*	69	+1669	+0.13	+0.22	+0.11	+85	+81	+88	**+537**	*n*	-22	51	+686	105	106	105	101	104	102	102	69	100	104	118	99	**110**
	DE 0361525422	**Benetton**		Benz	Board	60	**+369**	*+8*	69	+2585	-0.23	-0.13	+0.10	+84	+75	+129	**+523**	*+0*	+1	51	+838	106	104	101	102	105	101	104	69	100	101	113	101	**108**
WWS	US 3142352969	**S-S-I Pr Frazld Firebird**		Frazzled	Marty	55	**+369**	*+17*	63	+2127	-0.12	-0.07	+0.00	+77	+67	+97	**+466**	*+23*	-71	39	+946	112	106	109	99		98		65	104	105	107	100	**106**
GGI	NL 659209256	**Broeks Freemax**		Imax	Modesty	64	**+369**	*-2*	70	+1587	+0.12	+0.05	+0.04	+80	+61	+77	**+441**	*-51*	+28	52	+745	105	105	107	102	103	105	105	70	98	104	119	103	**112**
	DE 1305958528	**Baleo**		S-S-I Franchise	Azur	62	**+369**	*+63*	69	+1148	+0.04	+0.24	+0.01	+53	+64	+53	**+390**	*+75*	+14	50	+752	109	109	103	104	105	97	102	69	101	102	114	104	**110**
Tot	CA 12610944	**Alexerin Charm**		Dg Charley	Altaspring	66	**+368**	*-9*	71	+2123	-0.06	+0.01	+0.05	+84	+75	+102	**+515**	*-16*	-19	56	+737	107	106	110	105	104	99	105	72	99	106	103	100	**102**
Sem	CA 12857690	**Pine-Tree-I Pursuit**		Imax	Profit	61	**+368**	*+11*	69	+1745	-0.07	-0.07	-0.01	+67	+54	+79	**+386**	*+36*	-31	48	+1056	109	106	110	101	107	106		70	103	105	111	105	**110**
GGI	US 3142332606	**Scorpion**		Scuttle	Bandares	62	**+367**	*+1*	69	+1677	+0.18	+0.14	+0.05	+90	+73	+82	**+513**	*+16*	-29	51	+792	103	104	106	101	106	103	103	69	103	105	114	106	**112**
CRV	NL 573352412	**Lowlands Trust**		Vh Stu	Vitesse	66	**+367**	*+1*	71	+2074	-0.22	-0.05	+0.01	+64	+67	+96	**+438**	*+9*	+8	57	+777	107	104	108	99	100	97	103	72	104	103	110	108	**111**
CRV	US 3200824479	**Peak Shawarma**		Milktime	Jedi	60	**+366**	*n*	69	+2825	-0.22	-0.14	+0.02	+95	+82	+131	**+575**	*n*	-55	51	+772	107	105	108	103	104	99	101	69	103	104	101	101	**103**
CRV	NL 648817776	**Tirsvad Natan**		Adagio-P	Doorsopen	64	**+366**	*+1*	71	+2337	-0.20	-0.06	-0.03	+77	+75	+103	**+500**	*-2*	-18	52	+660	106	105	105	99	104	99	104	71	104	105	113	104	**111**
Mas	NL 715952290	**Topstone**		Altatopshot	Rubicon	65	**+366**	*+9*	71	+1937	-0.06	-0.04	+0.05	+76	+63	+94	**+446**	*-19*	-8	53	+809	105	107	104	100	101	98	106	71	102	105	111	104	**109**
CRV	NL 932189349	**Delta Turnover**		Benello	Paragon	63	**+366**	*+14*	69	+1653	+0.11	+0.03	-0.11	+82	+61	+64	**+442**	*+36*	+31	52	+847	107	105	105	103	104	100	104	70	100	101	105	106	**106**
	US 3148929305	**Savant**		De-Su 14222 Ke	Edg Rubicon	60	**+365**	*n*	69	+2234	+0.00	+0.01	+0.05	+95	+79	+107	**+556**	*n*	+49	52	+540	102	107	108	101	105	103	100	69	98	104	109	101	**105**
CRV	NL 667323913	**Newhouse Jayvano**	RF	Esperanto	Penley	63	**+365**	*-36*	69	+1664	-0.14	+0.13	+0.00	+56	+72	+76	**+436**	*-44*	-29	53	+700	106	107	106	106	102	99	103	70	102	105	110	109	**111**
GGI	DE 1603891478	**German Boy**		Gymnast	Silver	63	**+364**	*+14*	69	+2669	+0.07	-0.11	+0.04	+122	+80	+126	**+622**	*-18*	-28	53	+517	103	102	106	102	102	101	103	70	103	105	111	104	**110**

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NVI wordt berekend als INET officieel is, ontbrekende fokwaarden gaan niet mee in NVI

Inet = 0,3*kg lactose + 2,1*kg vet + 4,1*kg eiwit

NVImelkdoel = 0,4*Inet +0,08*lvd +4,7*UGH +6,3*VRU +1,8*Uier +3,6*Beenwerk +1,8*GEB +2,7*KGH + 0,23*BVK
NVIdubbeldoel = 0,35*Inet +0,09*lvd +5,2*UGH +5,2*VRU +5,2*Uier +6*Beenwerk +2*GEB + 5,2* VLi

Perspublicatie stierindexen Zwartbont genomisch zonder dochters

December 2019

Ki Ai	Stiernummer Bull number	Stiernaam Bull name	Erf-fa Her-fa	Vader Sire	M-vader MGS	Bt Rel	NVI NVI	+/- +/-	Bt Rel	kgM kgM	%V %F	%E %P	%L %L	kgV kgF	kgE kgP	KgL KgL	INET INET	+/- +/-	BVK SFCM	Bt Rel	Lvd Lon	Ugh Udh	Vru Fer	Gin Cal	Geb DCE	KA Tem	MS MS	Kgh CLW	Bt Rel	F F	T DS	U U	B F&L	Ext T
Melkdoel Zwart							pnt			**Productie**							**€**		**€**						**Functioneel**						**Exterieur**			
	NL 734345503	**K&l Poppe Goal**		Stantons Adorab	Cinema	63	**+364**	*-6*	69	+2189	-0.15	-0.08	-0.01	+77	+68	+99	**+470**	*+11*	-67	52	+822	107	103	104	99	104	105	106	70	100	105	118	105	**113**
	DE 0954382841	**Benwick**		S-S-I Franchise	Cogent Supersho	63	**+364**	*+6*	69	+2066	-0.24	+0.01	+0.10	+62	+73	+105	**+461**	*-10*	+28	52	+746	106	106	109	102	106	103	103	69	103	103	113	100	**108**
GGI	DE 0122835701	**Sagun**		Sharpe	Bolaro	64	**+364**	*+14*	70	+1385	+0.29	+0.11	+0.06	+88	+59	+69	**+447**	*+28*	+84	52	+719	103	107	103	100	105	100	102	70	96	103	116	103	**109**
CRV	NL 946221484	**Delta Treasure**		Finder	G-Force	68	**+364**	*-23*	72	+1049	+0.03	-0.01	+0.04	+48	+36	+52	**+264**	*-39*	-19	59	+820	110	111	111	107	101	101	102	72	100	106	115	108	**113**
	DE 1261455133	**Marca Quickly**		Malinus	View-Home Day	60	**+363**	*+10*	69	+2941	-0.47	-0.12	+0.03	+70	+89	+138	**+553**	*-13*	+31	51	+768	105	102	102	98	101	94	103	69	99	99	108	103	**105**
CRV	NL 753556472	**Delta Castor**		Barcley	Atlantic	66	**+363**	*-15*	71	+1803	-0.08	+0.17	-0.01	+68	+81	+81	**+499**	*-5*	-51	58	+681	106	105	106	102	104	100	108	72	101	102	108	104	**107**
	DK 260640	**Vh Bionic Bashful**		Vh Tirsvad Batt	S-S-I Cashcoin	60	**+363**	*n*	69	+933	+0.48	+0.21	-0.05	+86	+53	+38	**+409**	*n*	+16	51	+875	109	105	106	106	102	96	104	69	95	100	111	103	**106**
	CA 13353595	**Progenesis Breville**		Challenger	Superhero	52	**+363**	*n*	59	+1702	+0.05	-0.11	-0.01	+78	+48	+77	**+384**	*n*	-4	39	+1036	107	109	108	101		103		63	100	104	111	101	**107**
	US 3150905530	**Jc-Kow Skydancer**		Bomaz Skywalke	Mr Mogul Delta	60	**+362**	*n*	69	+2253	-0.14	+0.01	+0.01	+80	+80	+104	**+527**	*n*	+38	51	+754	105	103	110	103	105	105	100	69	95	103	114	99	**106**
CRV	US 3200824973	**Peak Rocketman**		Positive	Jedi	60	**+362**	*n*	69	+1813	+0.32	-0.02	-0.04	+111	+61	+78	**+507**	*n*	-2	51	+841	108	104	106	103	104	100	103	69	103	104	114	96	**107**
	CA 13198664	**Stantons Skyscraper**		Bomaz Skywalke	S-S-I 1stclass	63	**+362**	*n*	69	+1861	+0.14	-0.04	+0.04	+94	+61	+89	**+474**	*n*	+90	51	+787	107	104	107	102	107	105	100	69	95	100	118	96	**106**
	US 3150307078	**Bomaz Skytracker**		Bomaz Skywalke	Mr Mogul Delta	63	**+362**	*n*	69	+1761	+0.15	+0.00	-0.02	+91	+61	+78	**+465**	*n*	+60	51	+736	105	105	110	106	106	103	102	69	94	101	114	100	**106**
	DE 0539391998	**Cashpoint**		View-Home Cash	Balisto	67	**+362**	*+12*	71	+1075	+0.47	+0.24	-0.01	+92	+61	+48	**+458**	*+15*	+41	55	+936	107	103	104	106	104	102	103	71	100	102	111	102	**107**
	FR 1445853463	**Dkr Omax**		Silverridge V I	View-Home Mont	63	**+362**	*+5*	70	+1225	+0.31	+0.04	+0.03	+83	+47	+59	**+385**	*+3*	+53	53	+839	105	107	108	104	102	102	104	70	99	103	118	101	**110**
CRV	NL 613944582	**Delta Longbow**		Barrage	Rafter P Rf	63	**+361**	*-6*	69	+1719	+0.19	+0.17	-0.03	+93	+78	+75	**+538**	*-10*	-22	53	+776	106	103	102	102	99	101	108	70	101	105	103	103	**104**
CRV	NL 731719510	**Willem's-Hoeve Rapper**		Esperanto	Jetset	63	**+361**	*-23*	69	+1944	+0.17	+0.01	+0.08	+101	+69	+97	**+524**	*-4*	-18	53	+623	106	102	106	104	105	100	106	70	103	108	111	105	**111**
	DE 0360243452	**Imano**		Imax	Kooper	64	**+361**	*+15*	70	+1513	+0.29	-0.02	+0.02	+94	+51	+71	**+428**	*+5*	+70	52	+895	104	104	108	106	103	103	107	69	100	103	110	102	**107**
	DE 0539626844	**Kenwood**		Westcoast Kerri	L-L-M-Dairy Pre	65	**+361**	*+27*	71	+1642	-0.09	+0.07	-0.03	+61	+65	+72	**+416**	*+27*	+26	55	+939	108	107	107	98	100	97	103	72	100	105	108	99	**104**
CRV	NL 674924855	**Delta Dundee**		Waterloo	Final	63	**+361**	*+17*	69	+1034	+0.37	+0.18	+0.03	+80	+54	+50	**+404**	*+17*	-36	53	+707	108	107	104	106	102	99	107	70	98	105	108	108	**109**
CRV	NL 729539557	**Weelder Empire**		Bravo	G-Force	68	**+361**	*-55*	72	+763	+0.51	+0.25	+0.03	+81	+50	+38	**+387**	*-69*	+12	59	+832	107	106	106	110	104	95	105	72	97	99	107	108	**107**
	US 3148929242	**Sandy-Valley Kodiak**		De-Su 14222 Kei	Bacon-Hill Pety	60	**+360**	*n*	69	+2094	-0.07	+0.06	+0.07	+81	+80	+103	**+529**	*n*	+88	52	+591	102	105	107	105	105	107	102	69	96	104	114	99	**106**
	US 3141657524	**Blumenfeld Frazld Basic-Et**		Frazzled	Altaspring	61	**+360**	*+19*	69	+2255	-0.14	-0.19	-0.01	+80	+58	+102	**+436**	*+26*	-13	47	+994	111	104	105	97	103	100		70	99	104	111	101	**107**
	DE 0361499250	**Bg StefÃ□n Barbados-Et**		Barbados	Westcoast Kerri	60	**+360**	*+70*	69	+1768	+0.00	-0.06	+0.04	+75	+55	+85	**+409**	*+91*	+19	52	+957	107	105	104	99	106	100	105	69	103	105	113	102	**110**
	FR 2238143890	**Nevermind**		S-S-I Montross	Ladys-Manor Gra	65	**+360**	*-18*	71	+1826	-0.11	-0.09	+0.10	+66	+54	+94	**+388**	*-19*	+39	55	+805	106	107	111	105	104	100	104	71	98	100	112	102	**107**
CRV	NL 937303247	**Delta Skyline**		Barcley	Vitesse	66	**+359**	*+15*	71	+1433	+0.17	+0.24	-0.04	+78	+74	+61	**+486**	*+31*	-22	58	+816	107	101	105	105	100	97	108	72	101	102	111	104	**109**
GGI	NL 865720444	**Casino**		Dg Charley	Mardi Gras	66	**+359**	*+2*	71	+1887	+0.03	+0.01	+0.07	+84	+67	+94	**+479**	*-7*	+18	56	+737	105	105	108	103	105	103	103	72	101	102	107	104	**106**
K&L	DK 04240505077	**Vh Hedelund Charley Crown**		Dg Charley	Silver	65	**+359**	*-16*	71	+1872	+0.02	-0.05	+0.12	+82	+60	+98	**+448**	*-10*	+36	56	+746	106	104	107	101	105	105	103	72	100	101	111	105	**109**
CRV	NL 664898766	**Delta Wirdum**		Ranger	Jorben	63	**+359**	*-50*	69	+1386	+0.00	+0.17	+0.04	+59	+66	+67	**+415**	*-55*	-2	53	+766	110	103	104	103	98	97	104	70	103	104	109	109	**111**
CRV	NL 719787292	**Delta Prominent**		Treasure	Laurent P Rf	63	**+359**	*n*	69	+1420	+0.05	+0.08	+0.00	+66	+58	+65	**+396**	*n*	-40	52	+721	107	107	111	107	104	99	105	70	105	107	107	108	**111**
GGI	DE 0360848342	**Saveli**		Sharpe	Missouri	64	**+358**	*+1*	70	+2178	+0.08	+0.05	+0.02	+102	+81	+101	**+577**	*+18*	+75	53	+555	102	101	100	97	102	97	103	70	101	102	113	105	**110**
	FR 8501201687	**Owindmill**		Westcoast Windr	Baltikum	63	**+358**	*n*	69	+1647	+0.36	+0.12	-0.03	+108	+70	+72	**+535**	*n*	+31	52	+700	107	101	103	108	104	99	102	70	98	101	117	100	**109**
	DE 0540731701	**Son Holy P**		Hotspot P	S-S-I P-K Shtgl	62	**+358**	*n*	69	+2189	-0.06	-0.08	+0.04	+87	+68	+104	**+493**	*n*	-9	51	+793	103	104	106	104	104	108	105	69	99	105	116	102	**110**
CRV	NL 671732952	**De Leenhorst E-Profit**		Magister	Danno	65	**+358**	*-19*	69	+900	+0.46	+0.39	-0.06	+83	+69	+35	**+468**	*-10*	+17	56	+642	105	106	106	102	102	96	104	72	104	104	104	107	**108**
	DE 0361912840	**Skyboy**		Bomaz Skywalke	Silverridge V I	59	**+358**	*n*	69	+1221	+0.45	+0.10	+0.12	+97	+53	+68	**+441**	*n*	+13	51	+781	107	107	105	105	107	107	101	69	101	104	115	100	**109**
	FR 8556143444	**Obi One**		Boldi V Gymnast	Jeiraki	63	**+358**	*n*	69	+2093	-0.32	-0.03	+0.00	+54	+70	+96	**+429**	*n*	-51	52	+671	106	108	106	102	103	92	103	69	106	107	112	107	**113**
	DE 0953233501	**Sepia**		Semino	Larcrest Comman	63	**+357**	*-19*	69	+1199	+0.46	+0.24	-0.01	+97	+66	+54	**+491**	*+9*	-31	53	+807	107	102	103	96	103	107	106	70	99	104	114	103	**109**
	DE 0123048208	**Elpaso**		Edlock	De-Su 12109 Bat	63	**+357**	*-4*	69	+1406	+0.42	+0.05	+0.03	+103	+54	+67	**+458**	*+16*	+50	51	+680	107	103	102	100	104	99	104	69	96	101	115	104	**109**
	DE 0122629436	**Totalpro Et**		Progenesis Ligh	Seagull-Bay Sil	63	**+357**	*-1*	69	+2010	-0.17	-0.04	-0.05	+67	+66	+86	**+437**	*+14*	+37	53	+783	105	105	110	105	105	104	104	70	93	98	113	101	**105**
	DE 0361298280	**Vh Benz Bourbon**		S-S-I Franchise	Willsbro Abbott	62	**+357**	*n*	68	+1037	+0.39	+0.19	-0.01	+82	+55	+46	**+412**	*n*	+72	50	+769	106	105	106	106	104	106	105	69	94	100	111	103	**106**
	DE 000816701478	**Keross**		Kerrigan	Montross	65	**+357**	*+3*	71	+1615	+0.00	+0.03	+0.08	+69	+59	+82	**+411**	*+13*	-1	55	+929	107	106	107	98	102	97	103	72	100	104	113	101	**108**
	NL 699059103	**Hul-Stein Party Time**		Imax	Profit	57	**+356**	*+18*	65	+1847	+0.24	+0.05	+0.00	+104	+70	+84	**+531**	*+47*	+22	43	+857	106	102	105	105		101		67	97	103	107	102	**104**
GGI	CA 13025326	**Saturn**		S-S-I Silver So	Barcley	63	**+356**	*-27*	69	+1961	+0.28	-0.07	+0.03	+114	+61	+93	**+517**	*-25*	-20	52	+617	107	102	103	102	102	104	104	69	96	105	116	104	**110**
K&L	DK 01054403121	**Vh Bosman Bahrain**		Vh Bosman	Vh Service Serg	66	**+356**	*-5*	71	+1424	+0.08	+0.23	-0.10	+69	+73	+55	**+461**	*-7*	+35	56	+680	105	107	104	104	102	100	102	71	91	97	106	105	**103**
	DE 0540402310	**Greenwich**		Boldi V Gymnast	Shep	63	**+356**	*+0*	69	+1486	+0.13	+0.14	+0.05	+77	+66	+73	**+454**	*+7*	+15	52	+730	105	107	105	103	101	96	102	69	96	101	111	103	**106**
	FR 8501201725	**Opala**		Heidenskipster	Baltikum	63	**+356**	*n*	69	+1305	+0.37	+0.12	-0.05	+93	+58	+54	**+449**	*n*	-36	52	+829	109	106	104	102	104	101	102	69	104	104	116	99	**110**
CRV	NL 931002108	**Bentehoek Andorra**		Lendor	Finder	63	**+356**	*n*	69	+1527	+0.10	+0.09	+0.09	+75	+63	+79	**+440**	*n*	+29	52	+683	107	102	108	103	99	99	105	70	102	101	109	108	**110**
	US 3143060763	**Denovo Frazzled 2862-Et**		Frazzled	Woodcrest Mogu	54	**+356**	*+21*	62	+1577	+0.33	-0.05	-0.01	+101	+50	+71	**+438**	*+26*	+14	39	+1004	108	104	106	99		102		64	96	104	109	102	**105**
GGI	NL 597646670	**K&l Gn Boudy**		Gymnast	Rubicon	64	**+356**	*+9*	69	+1259	+0.21	+0.15	-0.02	+75	+59	+55	**+416**	*+21*	+5	52	+784	106	106	108	98	103	98	102	70	103	105	112	105	**111**
	DE 1305720684	**Wunder**		Westcoast Windr	Westenrade Alta	64	**+356**	*+9*	70	+1484	-0.14	+0.11	+0.01	+49	+63	+69	**+382**	*-14*	+34	53	+796	108	107	103	103	101	98	105	70	99	104	109	104	**107**
Sem	CA 12754560	**Westcoast Soundcloud**		Outlast	Mr Mogul Delta	61	**+356**	*-9*	69	+1460	+0.12	-0.03	-0.01	+74	+48	+66	**+372**	*-16*	-11	47	+937	110	106	104	103	101	99		69	101	104	116	104	**112**
K&L	DK 03200303904	**Vh River Ramsey**		Vh River	Penley	63	**+356**	*-7*	69	+1276	+0.02	+0.06	+0.05	+56	+51	+63	**+346**	*+11*	+45	52	+836	107	108	104	106	103	97	105	69	104	104	108	106	**109**
Mas	DE 0953061754	**Gigantix**		Gymnast	Livermore	63	**+355**	*+5*	69	+2189	-0.02	-0.02	+0.02	+91	+74	+102	**+525**	*-22*	-15	51	+748	104	101	107	102	102	104	103	69	103	104	114	105	**112**
	CA 13353569	**Progenesis Manhattan**		Positive	Guarantee	51	**+355**	*n*	58	+1870	+0.15	-0.04	+0.00	+96	+61	+85	**+477**	*n*	-48	37	+898	108	105	107	103		101		62	107	106	112	100	**109**
	DE 0361461434	**Pgb Bg Roger**		Lightstar	Westcoast Kerri	62	**+355**	*+80*	68	+1853	+0.01	-0.01	-0.02	+80	+64	+82	**+455**	*+75*	+26	50	+688	105	106	106	99	105	99	102	69	100	102	113	103	**109**
	FR 4242715459	**Nairway**		Louxor	Larcrest Comman	61	**+355**	*-9*	70	+1513	+0.06	+0.14	+0.03	+71	+67	+72	**+445**	*+6*	+20	52	+736	107	103	105	101	105	94	103	71	99	103	115	105	**111**
CRV	NL 668082914	**Zandenburg Virgil**		Accord	Reflector	63	**+355**	*-2*	69	+970	+0.06	+0.21	+0.02	+47	+54	+46	**+334**	*+16*	-91	53	+817	109	109	108	105	103	97	105	70	101	106	108	110	**111**
	DE 1305720772	**Bonham Et**		S-S-I Franchise	Lombardi	63	**+354**	*+99*	69	+1838	-0.08	+0.07	+0.05	+70	+72	+89	**+469**	*+110*	+69	51	+669	102	105	100	103	104	102	104	69	97	100	113	106	**109**
CRV	NL 870509524	**Delta Builder P**	PO	Esperanto	Powerball P	64	**+354**	*-36*	69	+1322	+0.32	+0.16	+0.07	+89	+62	+67	**+461**	*-39*	-19	53	+620	105	106	107	109	103	100	106	70	99	105	111	104	**108**
	US 3203361379	**Kings-Ramson Highway**		T-Spruce Frazzl	Bacon-Hill Pety	59	**+354**	*n*	68	+1616	+0.15	-0.06	+0.01	+84	+50	+75	**+404**	*n*	+18	51	+718	105	105	108	100	106	102	104	69	102	106	116	106	**113**
	DE 0360940332	**Simpson P**		Bomaz Fran Star	Seagull-Bay Sil	63	**+354**	*+5*	69	+1226	+0.42	+0.01	-0.04	+94	+44	+52	**+393**	*+11*	-8	52	+815	108	106	104	100	105	98	104	69	100	103	116	103	**111**
AWE	FR 6868660970	**Apply**		Applicable	Ste Odile Mercu	65	**+354**	*+114*	71	+1548	-0.05	-0.20	+0.09	+61	+33	+80	**+287**	*+141*	+17	53	+826	110	108	105	103	102	98	104	71	97	101	121	104	**113**

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NVI wordt berekend als INET officieel is, ontbrekende fokwaarden gaan niet mee in NVI

Inet = 0,3*kg lactose + 2,1*kg vet + 4,1*kg eiwit

NVImelkdoel = 0,4*Inet +0,08*lvd +4,7*UGH +6,3*VRU +1,8*Uier +3,6*Beenwerk +1,8*GEB +2,7*KGH + 0,23*BVK
NVIdubbeldoel = 0,35*Inet +0,09*lvd +5,2*UGH +5,2*VRU +5,2*Uier +6*Beenwerk +2*GEB + 5,2* VLi

Perspublicatie stierindexen Zwartbont genomisch zonder dochters

December 2019

Ki Ai	Stiernummer Bull number	Stiernaam Bull name	Erf-fa Her-fa	Vader Sire	M-vader MGS	Bt Rel	NVI NVI	+/- +/-	Bt Rel	kgM kgM	%V %F	%E %P	%L %L	kgV kgF	kgE kgP	KgL KgL	INET INET	+/- +/-	BVK SFCM	Bt Rel	Lvd Lon	Ugh Udh	Vru Fer	Gin Cal	Geb DCE	KA Temp	MS MS	Kgh CLW	Bt Rel	F F	T DS	U U	B F&L	Ext T
Melkdoel Zwart							pnt			**Productie**							**€**		**€**					**Functioneel**						**Exterieur**				
	US 3148279634	**Twin Ridge 6340-Et**		Aardema Radical	Co-Op La-Bron P	60	**+353**	*n*	68	+2334	-0.11	-0.08	+0.00	+87	+72	+106	**+510**	*n*	+25	46	+850	106	102	111	101	105	106		68	95	101	110	99	**103**
	CA 111184629	**Maheufils Alphagen Art**		Altamontoya	Franchise	51	**+353**	*+1*	58	+1578	+0.14	+0.09	-0.01	+82	+64	+71	**+456**	*+25*	-58	38	+757	111	104	107	102		98		62	100	105	113	103	**109**
Kam	NL 933611975	**Koepon Rumour**		Rush Hour Cd	Board	62	**+353**	*-21*	69	+1589	+0.09	+0.07	+0.04	+77	+63	+77	**+443**	*-14*	-19	52	+640	108	102	107	105	103	97	104	70	100	102	113	109	**112**
	DE 0360775304	**Wfl Lipton**		Lightstar	Commander	54	**+353**	*n*	62	+1175	+0.42	+0.12	-0.01	+92	+53	+53	**+426**	*n*	+28	45	+866	110	101	102	98	107	101		62	96	101	118	105	**111**
	NL 685695537	**Peak Rubyann Chrly 9553-E**		Dg Charley	Rubicon	66	**+353**	*-3*	71	+1217	+0.17	+0.00	-0.02	+69	+42	+54	**+333**	*-2*	+52	55	+721	106	108	108	110	105	104	105	71	98	102	112	106	**109**
	DE 1504829026	**Eit Sano**		S-S-I Silver So	Barcley	63	**+352**	*+7*	69	+2525	+0.08	-0.03	+0.00	+117	+85	+115	**+629**	*+9*	-17	52	+694	103	99	102	101	102	102	105	69	97	102	107	103	**105**
CRV	NL 899486563	**Midwolder Movement**		Regard	Trigger	68	**+352**	*+20*	72	+2512	-0.17	-0.14	+0.06	+88	+72	+121	**+516**	*+8*	-4	60	+761	106	100	106	99	104	105	106	72	106	104	105	106	**108**
	DE 0539675097	**Notify**		S-S-I Montross	View-Home Powe	66	**+352**	*-21*	71	+2279	-0.28	+0.00	+0.08	+66	+80	+113	**+501**	*-20*	-25	57	+696	104	105	110	101	106	104	103	72	101	105	118	98	**110**
	CA 13353578	**Progenesis Mezzoforte**		Positive	Guarantee	50	**+352**	*n*	57	+1934	+0.14	-0.08	+0.00	+97	+59	+88	**+472**	*n*	-31	37	+817	107	106	105	101		102		61	103	106	110	102	**108**
Sem	CA 12773216	**Silverridge V Timberlake**		Imax	Supershot	55	**+352**	*+12*	63	+2542	-0.36	-0.15	-0.01	+67	+72	+115	**+470**	*+26*	-22	41	+951	105	105	108	104	103	103		65	101	105	113	100	**108**
	DE 0360424684	**Colani**		Visstein Cidre	Board Et	63	**+352**	*-3*	69	+1832	+0.09	-0.01	+0.04	+88	+63	+88	**+470**	*-8*	+39	52	+650	108	103	105	103	100	97	102	69	93	102	116	101	**107**
	US 3146616986	**Stgen Frazzled Roux-Et**		Frazzled	Mr Day Dearing	54	**+352**	*+24*	63	+2035	-0.05	-0.08	-0.01	+81	+62	+92	**+452**	*+27*	+21	39	+850	106	106	110	100		103		64	97	102	108	100	**104**
	DE 0361205170	**Vh Capion**		Progenesis Came	De-Su 12109 Bat	62	**+352**	*+32*	69	+1937	-0.13	-0.08	+0.03	+68	+59	+92	**+412**	*+60*	-9	51	+726	107	108	109	100	107	104	103	69	100	104	109	102	**106**
CRV	NL 684617275	**Delta Beacher**		Esperanto	Vh SkeppargArd	64	**+352**	*-30*	69	+1637	-0.07	+0.04	+0.01	+62	+61	+76	**+403**	*-23*	-42	53	+729	107	105	104	104	104	101	106	69	105	108	114	108	**114**
	NL 943741794	**Ground Lake Invictus Suppl**		Silverridge V I	Cogent Supersho	64	**+351**	*+14*	70	+2405	-0.17	-0.07	+0.02	+83	+76	+112	**+520**	*+17*	+17	53	+673	104	104	106	102	103	99	102	70	103	102	114	100	**109**
K&L	NL 663441499	**K&l Js Donsimon**		Jetset	Shotglass	66	**+351**	*+20*	71	+2414	-0.33	-0.05	+0.08	+66	+79	+119	**+498**	*+32*	-4	58	+729	111	100	104	107	103	91	103	72	101	105	109	103	**107**
	DE 0360574938	**Youngster**		Abs Yoyo	Sandy-Valley Af	62	**+351**	*-15*	69	+1564	+0.23	+0.14	+0.00	+90	+69	+71	**+493**	*-35*	-4	51	+763	108	106	103	102	105	101	102	69	100	104	110	97	**104**
	NL 674527779	**Retraitehoeve Hero**		Superhero	Montross	65	**+351**	*+9*	71	+1720	+0.06	+0.11	+0.05	+79	+72	+84	**+486**	*+6*	-3	55	+755	106	106	106	101	104	101	102	71	104	107	108	100	**106**
GGI	DE 1305311425	**Metaxa**		Missouri	Balisto	67	**+351**	*+3*	72	+1833	-0.03	+0.09	+0.04	+75	+73	+88	**+483**	*+8*	+37	58	+567	105	103	109	103	104	99	104	72	99	99	113	103	**108**
	CA 12857929	**Ste Odile Expansion**		Guarantee	Supershot	60	**+351**	*-7*	68	+2253	-0.33	-0.02	-0.01	+60	+76	+102	**+468**	*-13*	+1	47	+784	109	105	106	101	104	100		70	99	104	107	101	**105**
CRV	NL 884786706	**Delta Yes**		Ranger	Malki	63	**+351**	*-83*	69	+1934	+0.03	-0.04	+0.04	+86	+63	+92	**+467**	*-99*	-16	53	+555	105	105	100	103	99	94	104	70	107	105	114	109	**115**
	US 3132350797	**Edg Noble Imperial-Et**		Noble	Mr Pre Director	51	**+351**	*+12*	58	+1898	-0.06	-0.02	-0.01	+74	+64	+86	**+444**	*+12*	-20	38	+811	106	108	107	101		103		62	97	104	112	100	**106**
	US 3146616169	**St Gen Noble Dubai-Et**		Noble	Mr Day Dearing	51	**+351**	*+23*	58	+1705	-0.01	+0.00	-0.01	+71	+59	+77	**+414**	*+22*	-10	39	+882	106	109	108	103		102		62	99	104	112	99	**106**
	US 3201840929			Frazzled	Alltime	53	**+351**	*n*	60	+1546	+0.15	-0.07	-0.01	+81	+47	+70	**+384**	*n*	-9	38	+997	110	107	109	101		99		64	99	105	111	98	**105**
CRV	NL 565103198	**Delta Jigger**		Esperanto	Reflector	64	**+351**	*-31*	69	+1151	+0.14	+0.11	+0.02	+63	+51	+54	**+358**	*-21*	-42	53	+767	105	106	106	107	104	100	107	70	101	106	116	110	**115**
	LU 299672367	**Lis Kl Ninjo Et**		Dg Noel	Progenesis Ligh	62	**+351**	*n*	68	+1396	-0.16	+0.04	+0.02	+43	+53	+66	**+327**	*n*	+7	51	+933	107	108	105	103	106	102	105	69	100	103	117	102	**111**
	US 3203845440	**551ho03888**		Mr Dynasty Nash	Frazzled	51	**+350**	*n*	58	+2173	-0.12	-0.09	+0.00	+79	+66	+99	**+466**	*n*	+13	37	+792	106	105	108	100		103		62	99	103	107	103	**105**
CRV	NL 662437877	**Delta Barrage**		Final	Maik	67	**+350**	*-24*	72	+2163	-0.29	-0.18	+0.02	+60	+56	+101	**+386**	*-26*	-17	59	+718	108	107	105	104	99	93	105	72	101	104	103	109	**107**
CRV	NL 652767120	**Delta Esteem**		Lendor	Finder	63	**+350**	*-38*	69	+339	+0.75	+0.36	-0.06	+83	+45	+10	**+362**	*-52*	-5	52	+866	107	104	103	98	103	98	108	70	104	101	113	108	**112**
CRV	NL 766124390	**Delta Esbit**		Leonardo	Final	64	**+349**	*-15*	70	+1929	+0.11	+0.11	+0.10	+94	+79	+99	**+551**	*-4*	-16	54	+670	105	99	104	101	103	96	104	70	104	104	108	108	**110**
	US 3203845435	**Stgen Solidmaker-Et**		Charl	Mr Mogul Delta	52	**+349**	*n*	59	+1857	+0.28	-0.07	-0.01	+109	+57	+84	**+488**	*n*	+17	39	+818	108	102	109	106		103		63	99	104	108	101	**105**
	CA 12948867	**Peak Altabjorn-Et**		Guarantee	Jedi	60	**+349**	*+7*	68	+1569	+0.06	+0.04	-0.01	+73	+59	+71	**+417**	*+11*	+2	47	+766	112	105	110	104	104	102		70	100	103	112	98	**106**
Tot	DE 0359449298	**Bg Rialto**		Sixpack	Balisto	64	**+349**	*+35*	69	+858	+0.44	+0.26	-0.02	+79	+55	+37	**+403**	*+73*	-14	53	+750	105	106	108	104	104	99	105	70	99	105	115	104	**111**
GGI	DE 0538399796	**Simba**		Silver	Boss	67	**+349**	*+11*	72	+1955	-0.10	-0.13	+0.06	+72	+54	+96	**+401**	*+31*	-14	60	+841	104	104	106	102	103	105	106	72	98	102	114	108	**111**
CRV	NL 660331546	**Lowlands Mangrove**		Magister	Bolt Rf	65	**+349**	*-31*	69	+1300	+0.06	+0.15	-0.02	+61	+60	+57	**+391**	*-16*	-16	56	+684	108	107	108	107	104	95	104	72	104	104	103	108	**108**
Tot	DE 0361082445	**Ossege Hardensetten Lupo Pp** RF		Lucky-Pp	Milford-P	63	**+349**	*-1*	70	+1662	-0.05	-0.03	+0.02	+66	+55	+78	**+388**	*+15*	+87	51	+659	105	107	107	104	101	99	103	69	92	91	110	104	**104**
CRV	NL 620478904	**Creijland Tuner**		Accord	Danno	64	**+349**	*-2*	69	+963	+0.31	+0.21	+0.00	+71	+54	+44	**+384**	*+4*	-6	54	+760	106	104	108	110	99	97	108	70	102	106	106	110	**110**
	DE 0361628088	**Camper Alh Quimera Et**		Casino	Bouw Finder	63	**+349**	*n*	69	+1668	-0.17	-0.05	+0.04	+53	+53	+80	**+353**	*n*	+1	52	+825	108	107	107	104	104	100	102	70	97	102	113	105	**109**
	DE 0667168553	**Goloman**		Westcoast Guara	Westenrade Alta	63	**+348**	*+6*	69	+1736	+0.16	+0.03	-0.06	+91	+64	+73	**+475**	*+15*	-1	52	+845	109	102	105	102	104	97	104	70	100	104	109	100	**105**
	US 3200824369	**Peak Znith Mntya 61676-Et**		Altamontoya	Altatopshot	51	**+348**	*n*	58	+1800	+0.11	-0.05	+0.00	+88	+57	+82	**+443**	*n*	-39	38	+822	110	105	108	103		100		62	104	107	112	100	**109**
	DE 0770601939	**Longdrink**		Oakfield Rubico	View-Home Day	65	**+348**	*+0*	71	+1966	-0.16	-0.05	-0.02	+67	+63	+87	**+425**	*+20*	+22	52	+777	107	105	105	104	102	99	104	71	92	100	113	101	**105**
	DK 259805	**Gigastar**		Boldi V Gymnast	Seagull-Bay Sil	64	**+348**	*+19*	69	+2209	-0.38	-0.13	+0.03	+52	+63	+104	**+399**	*+19*	-69	53	+840	105	107	105	101	107	108	105	70	102	107	116	105	**113**
	DK 260782	**Vh Tirsvad Benz Backup**		S-S-I Franchise	Endco Superhero	60	**+348**	*n*	69	+1426	-0.10	+0.15	+0.02	+50	+65	+67	**+392**	*n*	+37	51	+673	107	109	106	103	105	103	104	69	101	103	112	99	**107**
	UK 706042604375	**Denovo Invictus A2a2 Blf B**		Achiever	Supershot	54	**+348**	*+4*	62	+1113	+0.34	+0.07	-0.01	+81	+46	+50	**+374**	*+8*	+29	39	+897	105	109	109	101		102		65	95	102	109	102	**105**
	NL 676935082	**Bwn K&l Simber**		Simba	De-Su 12109 Bat	64	**+348**	*+11*	69	+1531	-0.02	+0.00	+0.11	+63	+53	+81	**+374**	*+26*	-33	52	+828	108	105	105	98	103	97	104	70	97	105	116	106	**112**
	DE 0954382832	**Bonali**		S-S-I Franchise	Cogent Supersho	63	**+348**	*+55*	69	+1189	+0.08	+0.15	+0.11	+59	+56	+65	**+373**	*+93*	+11	52	+749	106	109	110	109	105	102	105	69	100	101	109	101	**105**
	CA 13198782	**Stantons Formula I**		Challenger	Fortune	51	**+348**	*n*	58	+1928	-0.10	-0.18	-0.01	+71	+48	+87	**+372**	*n*	-25	37	+940	109	107	107	100		102		62	97	105	117	100	**109**
	DE 000666976578	**Jumper**		S-S-I Damaris B	Sandy-Valley Ss	65	**+348**	*-9*	71	+1558	-0.13	+0.01	-0.03	+53	+55	+68	**+357**	*-29*	-29	52	+920	108	107	109	106	107	98	103	70	98	104	108	105	**107**
	DE 0361214675			Melarry Josuper	Westcoast Kerri	64	**+347**	*+90*	71	+2486	-0.16	-0.11	-0.03	+88	+74	+110	**+521**	*+61*	+56	52	+728	105	103	109	106	104	104	102	71	98	100	108	97	**102**
Sem	US 3137164268	**Regan-Danhof Copyright**		Imax	Jedi	60	**+347**	*+3*	68	+2653	-0.21	-0.20	+0.00	+89	+70	+121	**+510**	*+40*	-49	48	+804	107	103	108	104	105	102		70	104	105	115	99	**109**
	US 3147840010	**Peak Altakiss-Et**		Imax	Jedi	54	**+347**	*+9*	61	+2309	-0.18	-0.09	+0.00	+78	+70	+105	**+482**	*+37*	-19	41	+848	107	104	107	104	104	101		64	99	105	111	100	**106**
	NL 625041927	**Jansje's Stantons Adorable**		Stantons Adorab	Baltikum	63	**+347**	*+16*	69	+2088	-0.13	-0.04	+0.03	+75	+69	+99	**+470**	*+18*	-75	53	+748	108	104	103	100	103	100	104	70	103	105	111	105	**110**
	NL 889199288	**Sietskeshoeve K&l Yo Delhi**		Abs Yoyo	Board Et	59	**+347**	*-14*	69	+2419	-0.34	-0.14	-0.05	+65	+69	+105	**+451**	*-30*	-33	51	+815	107	106	105	100	101	98	103	68	104	104	110	101	**108**
CRV	US 3145229850	**Peak Lukaku**		Eldorado	Rubicon	65	**+347**	*+4*	71	+2001	+0.11	-0.16	+0.07	+97	+52	+99	**+447**	*+29*	+11	53	+586	106	105	111	110	104	97	100	70	99	105	112	105	**109**
CRV	NL 547123774	**Delta Salinero**		Rush Hour Cd	Topgear	64	**+347**	*-17*	70	+1943	-0.21	+0.03	+0.05	+60	+71	+94	**+445**	*-29*	-42	53	+589	106	103	107	107	103	101	104	70	104	103	110	112	**113**
	DE 0540402386	**Genesland Goodlife-Et**		Gga Gordon	View-Home Day	63	**+347**	*-16*	69	+1433	+0.16	+0.12	+0.03	+77	+62	+68	**+436**	*-17*	+22	52	+677	104	107	105	105	104	99	104	70	98	104	111	103	**107**
	DE 0540252560	**Berlin**		S-S-I Franchise	Endco Superhero	63	**+347**	*+21*	69	+1488	+0.03	+0.15	-0.02	+66	+67	+66	**+433**	*+13*	+7	51	+620	103	110	110	105	107	107	102	69	103	103	112	100	**108**
	US 3203845442	**551ho03884**		Mr Superhero De	Frazzled	51	**+347**	*n*	58	+1698	+0.07	-0.06	+0.00	+80	+53	+77	**+408**	*n*	+10	38	+992	109	105	103	102		102		62	97	103	113	100	**106**
	DK 260584			S-S-I Franchise	De-Su 12109 Bat	63	**+347**	*n*	69	+1905	-0.40	+0.00	+0.07	+38	+66	+94	**+379**	*n*	+43	51	+746	106	111	105	111	108	100	102	69	98	98	110	99	**104**
OBS	DE 0360385508	**Suprem**		Superhero	Missouri	65	**+346**	*-7*	71	+3159	-0.41	-0.18	+0.09	+86	+89	+155	**+592**	*-32*	+20	55	+548	104	104	105	98	104	100	101	71	103	107	105	99	**104**
	DE 0770739296			S-S-I Silver So	Barcley	60	**+346**	*-1*	69	+1933	+0.08	+0.02	-0.05	+91	+70	+83	**+503**	*-10*	-49	52	+817	106	100	104	104	104	104	105	69	99	103	113	105	**110**

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NVI wordt berekend als INET officieel is, ontbrekende fokwaarden gaan niet mee in NVI

Inet = 0,3*kg lactose + 2,1*kg vet + 4,1*kg eiwit

NVImelkdoel = 0,4*Inet +0,08*lvd +4,7*UGH +6,3*VRU +1,8*Uier +3,6*Beenwerk +1,8*GEB +2,7*KGH + 0,23*BVK
NVIdubbeldoel = 0,35*Inet +0,09*lvd +5,2*UGH +5,2*VRU +5,2*Uier +6*Beenwerk +2*GEB + 5,2* VLi

Perspublicatie stierindexen Zwartbont genomisch zonder dochters

December 2019

Ki Ai	Stiernummer Bull number	Stiernaam Bull name	Erf-fa Her-fa	Vader Sire	M-vader MGS	Bt Rel	NVI NVI	+/- +/-	Bt Rel	kgM kgM	%V %F	%E %P	%L %L	kgV kgF	kgE kgP	KgL KgL	INET INET	+/- +/-	BVK SFCM	Bt Rel	Lvd Lon	Ugh Udh	Vru Fer	Gin Cal	Geb DCE	KA Temp	MS MS	Kgh CLW	Bt Rel	F F	T DS	U U	B F&L	Ext T
Melkdoel Zwart							pnt			**Productie**							€		€				**Functioneel**						**Exterieur**				
	NL 626776068	**K&l Kg Sandokan**		Kerrigan	Commander	66	**+346**	*+23*	71	+2061	-0.04	-0.02	+0.00	+83	+70	+94	**+490**	*+20*	+57	56	+680	104	102	105	96	101	102	105	72	98	100	110	103	**106**
Mas	DE 0360558209	**Greatboy**		Gymnast	Balisto	64	**+346**	*+5*	69	+1903	-0.04	+0.03	-0.04	+77	+70	+83	**+474**	*+12*	-44	53	+790	104	106	107	107	106	99	104	70	96	104	111	101	**106**
CRV	NL 879587024	**Vlagberg Drost**		Louxor	Regard	64	**+346**	*-5*	70	+1381	+0.19	+0.10	-0.08	+78	+58	+55	**+418**	*+17*	+40	52	+806	107	102	101	102	104	96	106	71	102	103	113	105	**111**
CRV	NL 620478531	**Delta Deliver**		Movement	Solution	64	**+346**	*+24*	69	+2029	-0.32	-0.03	+0.10	+52	+67	+103	**+415**	*+32*	-15	53	+745	108	104	108	104	102	103	104	70	100	103	106	107	**107**
CRV	NL 872360891	**Manders Dazzel**		Finder	Bube	66	**+346**	*+6*	71	+1021	+0.55	+0.00	+0.05	+97	+36	+51	**+367**	*+32*	+5	58	+671	106	106	110	99	102	103	105	72	100	100	110	108	**110**
Mas	DE 0360044741	**Intercity**		Imax	Doorsopen	64	**+346**	*-12*	70	+2074	-0.23	-0.22	+0.06	+63	+48	+101	**+359**	*+5*	-1	52	+852	108	105	107	105	103	101	105	70	102	105	116	103	**111**
	DE 0361230613	**Roman**		Royce	Finder	60	**+346**	*n*	67	+1622	-0.18	-0.06	-0.01	+50	+50	+73	**+332**	*n*	+5	48	+798	107	106	108	103	99	104		69	98	102	115	110	**113**
	NL 661759220	**Dykster K&l Dimba**		Simba	De-Su 12109 Bat	64	**+346**	*+11*	69	+1425	-0.22	+0.06	+0.07	+38	+56	+72	**+331**	*+25*	-15	53	+877	107	108	104	103	103	98	105	70	101	105	116	104	**112**
CRV	NL 547123844	**Delta Sustain**		Nobel	Baltikum	63	**+346**	*-9*	69	+980	+0.14	+0.10	+0.09	+55	+44	+53	**+312**	*-34*	-32	53	+785	109	110	104	106	102	98	103	70	102	105	113	106	**111**
	DE 0667337098	**Best Benz**		Benz	Damans	60	**+345**	*n*	68	+2203	-0.19	-0.05	+0.00	+73	+71	+100	**+474**	*n*	+21	46	+900	103	104	107	103	104	105		67	95	102	109	103	**105**
CRV	NL 628758037	**Delta Novasol**		Barrage	Regard	64	**+345**	*-9*	70	+1909	+0.08	-0.04	+0.11	+90	+62	+99	**+473**	*-9*	+16	54	+762	107	103	104	103	103	98	102	70	100	104	105	105	**106**
	NL 652713990			Simba	Regancrest Milf	63	**+345**	*-7*	69	+1608	+0.04	+0.11	-0.01	+73	+67	+72	**+450**	*+3*	+2	52	+731	107	101	107	103	102	107	104	70	97	99	114	105	**109**
ABS	US 3142332706	**Pine-Tree Durable**		Dg Charley	Woodcrest Mogu	62	**+345**	*-6*	71	+1566	+0.08	+0.08	+0.00	+75	+63	+71	**+437**	*+12*	+46	50	+767	103	107	109	104	107	107		70	96	99	109	102	**104**
Mas	DE 0540402381	**Genesland Gordion**		Gordon	Missouri	63	**+345**	*+3*	69	+1599	+0.04	+0.08	-0.01	+72	+64	+72	**+435**	*+4*	-4	52	+759	105	106	106	106	107	97	104	70	103	105	110	103	**109**
Alt	US 3147224052	**Peak Altaleap**		Quantum	Altaspring	54	**+345**	*-4*	62	+1364	+0.08	+0.14	+0.00	+66	+62	+62	**+411**	*+5*	-22	40	+917	109	106	107	99	105	100		63	100	105	113	99	**107**
	US 3133120630	**S-S-I Bg Superhro Deluxe-Et**		Superhero	Troy	61	**+345**	*-21*	69	+1650	-0.14	-0.03	+0.00	+56	+54	+75	**+362**	*-21*	-33	49	+1051	109	106	106	101	107	101		70	103	106	112	103	**110**
	DE 0540275747	**Palmbeach**		Progenesis Pada	Westenrade Alta	63	**+345**	*+56*	69	+1730	-0.30	+0.01	-0.01	+42	+61	+78	**+362**	*+23*	+33	52	+844	108	108	103	101	107	98	103	70	98	101	111	101	**106**
CRV	CA 13227447	**Progenesis Proclaim**		Challenger	Modesty	62	**+344**	*+6*	69	+1704	+0.41	+0.13	+0.00	+115	+73	+78	**+564**	*+7*	+32	51	+490	103	103	104	103	100	100	101	69	99	104	114	101	**108**
	DE 0540539060	**Harley Alh Quimera Et**		Hotspot P	Bouw Finder	63	**+344**	*n*	69	+2205	-0.16	+0.01	-0.01	+76	+78	+99	**+509**	*n*	+37	52	+680	105	103	106	104	105	104	101	69	96	101	110	101	**105**
Tot	NL 865720329	**Vekis Dg Delta**		Dg Charley	Montross	65	**+344**	*+4*	71	+2045	-0.15	-0.01	+0.03	+71	+70	+97	**+465**	*+4*	+40	56	+747	104	103	106	101	104	100	105	72	98	100	109	103	**106**
Dek	FR 8538923120	**Le Valton Ladin**		Commander	Bookem	67	**+344**	*-2*	72	+2014	-0.18	+0.02	+0.11	+66	+72	+104	**+465**	*+20*	-30	59	+611	106	106	105	99	104	98	106	72	102	106	106	104	**107**
CRV	NL 573364710	**Delta Skippy**		Paragon	Vitesse	66	**+344**	*+7*	71	+795	+0.60	+0.30	-0.07	+91	+56	+30	**+430**	*+31*	-24	58	+635	107	106	103	100	99	98	106	72	106	105	113	103	**111**
	FR 2232985544	**Ogoueno**		Endco Supreme	Jactive	62	**+343**	*+3*	68	+1513	+0.26	+0.21	+0.04	+91	+74	+73	**+516**	*-18*	-8	50	+568	106	105	106	101	103	94	103	68	102	104	114	97	**107**
	LU 000399563365	**Lomo**		Progenesis Ligh	Cogent Supersho	64	**+343**	*+21*	69	+2592	-0.35	-0.16	-0.03	+71	+72	+115	**+479**	*+32*	+43	53	+783	104	104	107	104	103	99	103	70	101	97	108	100	**104**
	DE 0360889155	**Pixel**		Progenesis Pada	Westcoast Kerri	62	**+343**	*n*	69	+1492	+0.02	+0.19	+0.01	+66	+72	+69	**+455**	*n*	+48	51	+627	106	107	100	98	105	97	102	69	99	103	116	98	**108**
CRV	NL 665198319	**Double W Rush Hour**	CD	Final	Snowfever Cd	67	**+343**	*-35*	72	+1501	+0.11	+0.14	+0.02	+75	+67	+71	**+454**	*-52*	-52	59	+593	108	102	107	109	101	93	104	72	106	106	107	111	**112**
	DE 0360992525	**Pantone Et**		Progenesis Pada	Endco Superhero	62	**+343**	*n*	69	+2470	-0.61	-0.04	+0.08	+36	+82	+122	**+448**	*n*	-53	51	+827	107	107	103	101	104	102	102	69	100	106	112	100	**107**
	DE 0360940004	**Gala**		Co-Op Madron G	Westenrade Alta	60	**+343**	*+4*	69	+2141	-0.22	-0.09	-0.07	+67	+65	+90	**+434**	*+11*	+86	52	+702	105	103	105	103	102	99	103	69	97	102	111	104	**107**
	DE 0360592436	**Pmh Hitchcock**		De-Su 13494 Hai	Barcley	62	**+343**	*+66*	68	+1265	+0.13	+0.21	-0.02	+67	+65	+56	**+424**	*+46*	-25	51	+969	106	103	102	99	104	95	107	69	101	107	116	101	**110**
	US 3149698983	**Gold-N-Oaks Achiever 752-E**		Achiever	Silver	54	**+343**	*+22*	62	+1201	+0.37	+0.04	-0.01	+88	+46	+54	**+390**	*+30*	-19	40	+849	109	106	107	102		100		64	102	105	111	103	**109**
	US 3146616313	**St Gen Noble Dinero-Et**		Noble	Mr Mogul Delta	54	**+343**	*+21*	62	+1357	+0.20	+0.02	-0.01	+78	+49	+61	**+383**	*+22*	+17	40	+966	111	107	107	107		100		63	95	104	108	96	**101**
	DK 260548	**Vh Badger Burst**		Vh Bruce Badger	Vh Odense Oggy	59	**+343**	*+40*	69	+600	+0.43	+0.34	-0.05	+66	+53	+23	**+363**	*+61*	+108	50	+720	109	108	106	107	104	93	101	69	92	93	105	100	**99**
STG	US 3139405979	**Ocd Charley Ranger**		Dg Charley	Rubicon	64	**+343**	*-2*	71	+1617	-0.24	-0.10	-0.01	+44	+46	+73	**+303**	*+3*	-9	51	+990	110	107	111	103	104	100		72	97	104	111	104	**108**
	PL 5335131177	**Kr Muscat**		Milton	Delta Bookem Da	62	**+342**	*+10*	71	+2153	+0.04	-0.06	+0.02	+96	+69	+100	**+515**	*+12*	+70	53	+516	104	102	103	102	99	102	104	71	99	102	109	104	**107**
Tot	ES 2704487908	**Grilo Sancream Lucky**		Sillian	Supershot	63	**+342**	*+0*	69	+2342	-0.11	-0.10	+0.07	+87	+71	+115	**+508**	*-12*	-51	53	+709	106	102	105	100	101	97	103	70	107	106	110	105	**111**
	FR 5368780749	**Dkr Open**		Silverridge V I	De-Su Altasuper	63	**+342**	*n*	70	+1718	+0.20	+0.00	-0.01	+94	+60	+77	**+467**	*n*	+36	52	+613	104	104	109	105	102	105	104	70	102	103	113	101	**108**
	CA 13353582	**Progenesis Montecarlo**		Positive	Guarantee	50	**+342**	*n*	57	+1983	+0.06	-0.10	+0.00	+91	+58	+90	**+456**	*n*	-49	37	+884	107	105	108	102		98		61	104	106	110	101	**108**
	DE 0361080091	**Kns Soundbar**		Mirabell Sound	Edg Rubicon	64	**+342**	*-2*	69	+1788	+0.18	-0.06	+0.08	+95	+56	+90	**+456**	*+14*	-58	53	+555	106	106	108	100	104	106	102	70	102	107	114	105	**112**
GGI	US 3134971749	**Fustead Superhero Lavonte**		Superhero	Rubicon	65	**+342**	*+2*	71	+1632	+0.01	+0.07	+0.04	+71	+64	+79	**+435**	*+8*	-4	55	+698	105	106	105	98	104	95	102	71	101	107	113	104	**110**
	US 3203845450	**Stgen Dedicate Heir-Et**		Mr Superhero De	Mr Day Dearing	52	**+342**	*n*	59	+1223	+0.34	+0.08	-0.01	+86	+51	+55	**+406**	*n*	+58	39	+919	105	107	107	102		105		63	96	99	111	98	**103**
	DK 260560	**Vh Tirsvad Avicii Answer**		Avicii	De-Su 12109 Bat	60	**+342**	*+43*	69	+1825	-0.31	-0.02	-0.04	+45	+61	+79	**+368**	*+64*	+16	52	+822	107	109	105	102	104	102	102	69	98	100	110	101	**105**
CRV	NL 668059723	**Lowlands Gladiator**		Rush Hour Cd	Brentano	64	**+342**	*-3*	70	+738	+0.35	+0.25	+0.01	+65	+50	+35	**+352**	*-10*	-56	53	+627	108	108	107	107	101	97	104	70	107	106	109	110	**113**
	DE 0123343467	**Voalf Mikado**		Motown	Dozer	54	**+342**	*n*	62	+1879	-0.22	-0.17	-0.01	+56	+47	+85	**+336**	*n*	+17	45	+938	111	106	103	104	102	101		63	96	101	113	103	**107**
STG	DE 0360385794	**Skyline**		Semino	Battlecry	60	**+342**	*-11*	68	+712	+0.33	+0.23	-0.01	+62	+47	+32	**+333**	*-8*	-28	48	+1095	111	106	103	101	98	103		70	100	103	114	102	**109**
K&L	NL 657862862	**Pentagon K&l Pokemon Clur**		Jetset	Sargeant	66	**+342**	*-2*	71	+1404	-0.36	-0.03	+0.07	+23	+46	+71	**+258**	*-10*	+25	58	+849	111	106	105	105	101	94	106	72	100	105	114	107	**112**
	DE 0361214602	**Weh Yonder**		Cal-Roy-Al Yoda	Westcoast Kerri	63	**+341**	*n*	69	+2054	+0.01	-0.05	-0.01	+89	+66	+93	**+485**	*n*	-29	51	+827	103	103	108	103	105	111	101	69	99	106	113	104	**110**
	US 3150307024	**Bomaz Fastball-Et**		Frazzled	Ferdinand	54	**+341**	*+27*	61	+2591	-0.21	-0.23	+0.00	+86	+64	+118	**+478**	*+38*	-8	39	+775	106	104	109	103		105		65	97	104	109	101	**105**
	DE 0539855550	**Wil Image**		Silverridge V I	S-S-I Montross	64	**+341**	*+40*	70	+2288	-0.21	-0.13	+0.11	+74	+65	+116	**+457**	*+48*	+28	53	+695	102	105	107	99	102	105	105	70	101	104	110	103	**108**
	CA 13269513	**Progenesis Onward**		Challenger	Guarantee	51	**+341**	*n*	58	+1878	+0.06	-0.08	-0.01	+86	+57	+85	**+440**	*n*	-7	37	+843	108	104	107	101		102		61	98	104	113	100	**107**
WWS	US 3141562808	**Melarry Frazzled Fyi**		Frazzled	Balisto	55	**+341**	*-3*	64	+1596	+0.13	+0.04	-0.01	+81	+60	+72	**+438**	*-8*	-25	40	+925	110	104	107	100	105	101		64	99	104	109	99	**105**
CRV	NL 738287780	**Weelder Esperanto**		Final	G-Force	68	**+341**	*-85*	72	+1939	-0.13	-0.07	+0.02	+69	+60	+91	**+418**	*-101*	-12	60	+629	104	105	104	106	104	103	104	72	99	103	112	110	**112**
	FR 1445853529	**Dkr Osiris**		Claynook Casper	Dg Charley	62	**+341**	*n*	68	+1301	+0.20	+0.13	+0.05	+76	+58	+64	**+417**	*n*	-12	51	+742	106	105	105	102	102	99	104	69	101	105	117	102	**111**
Sem	CA 12648593	**Progenesis Hawai**	RF	Apprentice	Silver	61	**+341**	*+14*	69	+1825	-0.03	-0.08	+0.00	+74	+55	+83	**+406**	*+10*	-13	48	+682	107	109	109		102	100		70	103	104	110	101	**107**
	DK 259312			Kerrigan	Commander	65	**+341**	*+0*	71	+1349	+0.16	+0.08	+0.04	+74	+55	+66	**+401**	*+18*	+11	56	+728	107	106	107	98	105	99	101	72	99	102	111	104	**108**
WWS	US 3133120549	**S-S-I Bg Fzzld Riveting**		Frazzled	Profit	55	**+341**	*+10*	65	+1244	+0.10	-0.04	-0.01	+63	+39	+56	**+309**	*+27*	-6	39	+996	110	108	107		104			66	100	103	112	102	**108**
	DE 0539782033	**Cracker**		Crackshot	Supershot	65	**+341**	*+21*	71	+1639	-0.19	-0.13	+0.00	+50	+44	+75	**+308**	*+23*	-13	53	+842	106	110	108	104	106	100	105	71	100	106	115	102	**110**
Mas	DE 0360324663	**Gywer Rdc**	RF	Gymnast	Lobach	63	**+340**	*-11*	69	+2570	-0.38	-0.08	+0.02	+66	+80	+119	**+502**	*+3*	-22	52	+683	105	106	102	105	102	96	102	69	103	105	109	101	**107**
	US 3141559498	**De-Su Frazz Tahiti 14104-Et**		Frazzled	Mr Mogul Delta	56	**+340**	*n*	65	+2236	-0.08	-0.11	-0.01	+86	+66	+101	**+482**	*n*	+23	40	+724	104	106	108	103		105		65	96	102	107	100	**103**
	CA 13353511	**Peak Majordomo**		Marius	Frazzled	51	**+340**	*n*	58	+1891	+0.01	-0.02	+0.00	+82	+64	+86	**+460**	*n*	-9	38	+856	109	104	107	101		102		62	100	105	111	97	**105**
CRV	NL 676012246	**Delta Lunar**		Chuck	Pepe	66	**+340**	*-46*	71	+1266	+0.10	+0.13	+0.07	+64	+57	+65	**+388**	*-91*	-28	56	+878	105	105	104	106	104	97	105	72	105	107	113	106	**113**
CRV	NL 671125486	**Delta Reloader**		Finder	G-Force	67	**+340**	*-14*	72	+1682	-0.08	-0.06	+0.08	+63	+52	+85	**+371**	*-8*	+13	59	+734	106	105	109	105	103	98	104	72	102	105	110	107	**110**

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NVI wordt berekend als INET officieel is, ontbrekende fokwaarden gaan niet mee in NVI

Inet = 0,3*kg lactose + 2,1*kg vet + 4,1*kg eiwit

NVImelkdoel = 0,4*Inet +0,08*lvd +4,7*UGH +6,3*VRU +1,8*Uier +3,6*Beenwerk +1,8*GEB +2,7*KGH + 0,23*BVK
NVIdubbeldoel = 0,35*Inet +0,09*lvd +5,2*UGH +5,2*VRU +5,2*Uier +6*Beenwerk +2*GEB + 5,2* VLi

Perspublicatie stierindexen Zwartbont genomisch zonder dochters

December 2019

Ki Ai	Stiernummer Bull number	Stiernaam Bull name	Erf-fa Her-fa	Vader Sire	M-vader MGS	Bt Rel	NVI NVI	+/- +/-	Bt Rel	kgM kgM	%V %F	%E %P	%L %L	kgV kgF	kgE kgP	KgL KgL	INET INET	+/- +/-	BVK SFCM	Bt Rel	Lvd Lon	Ugh Udh	Vru Fer	Gin Cal	Geb DCE	KA Tem	MS MS	Kgh CLW	Bt Rel	F F	T DS	U U	B F&L	Ext T
Melkdoel Zwart							pnt			**Productie**							€		€					**Functioneel**						**Exterieur**				
CRV	CA 13269232	**Progenesis Venito**		Challenger	Jedi	62	**+340**	*n*	69	+1341	+0.02	+0.06	+0.06	+59	+53	+67	**+361**	*n*	+17	51	+668	104	112	110	105	105	104	103	69	96	104	110	100	**105**
	DE 0360992524	**Gga Paddy**		Progenesis Pada	Endco Superhero	63	**+340**	*n*	69	+1831	-0.45	+0.01	+0.00	+30	+65	+83	**+354**	*n*	-8	51	+780	105	110	103	101	103	101	105	69	99	103	112	103	**108**
	US 3200768015	**Vatland Mastercard-Et**		Marius	S-S-I Eraser P	53	**+339**	*+5*	61	+2025	-0.08	+0.10	+0.00	+78	+81	+92	**+524**	*+18*	-45	38	+714	106	105	108	103		102		62	103	106	111	97	**106**
ABS	US 3141559616	**De-Su 14222 Kenobi**		Jedi	Altaspring	64	**+339**	*+15*	72	+1882	-0.09	+0.07	-0.01	+71	+73	+85	**+474**	*+20*	-5	52	+764	110	105	107	104	105	99		73	101	105	113	93	**104**
GGI	NL 622692405	**Visstein Cidre**		Cinema	G-Force	66	**+339**	*-4*	71	+1598	+0.31	-0.05	+0.09	+100	+51	+82	**+444**	*-8*	+79	55	+632	106	103	102	100	101	100	101	72	92	102	110	106	**106**
	CA 12857550	**Progenesis Borealis**		Imax	Draco	60	**+339**	*+16*	67	+2151	-0.11	-0.18	+0.00	+79	+55	+98	**+421**	*+38*	-14	48	+852	107	105	109	102	100	104		70	103	105	110	102	**108**
	DE 0667199815	**Acapulco Gracia Et**		Avicii	Barcley	62	**+339**	*+5*	69	+1830	-0.22	-0.03	-0.03	+55	+61	+80	**+390**	*-4*	+45	52	+878	107	104	106	104	103	101	103	69	97	100	112	101	**106**
OBS	DE 0360208954	**Felix**		S-S-I 1stclas F	Montross	65	**+339**	*+21*	71	+1334	+0.18	+0.04	+0.00	+75	+51	+61	**+385**	*-4*	-12	52	+628	106	108	109	103	106	100	102	71	99	104	115	103	**110**
	US 003132923826	**Tarmac**		Plain-Knoll Kin	Cogent Supersho	64	**+339**	*+17*	71	+1641	-0.22	+0.07	+0.01	+47	+64	+76	**+384**	*+19*	+33	53	+723	105	106	109	100	100	99	103	71	100	105	113	103	**109**
CRV	US 3149336967	**Peak Carver**		Westcoast Fasci	Mr Mogul Delta	62	**+339**	*-10*	69	+686	+0.64	+0.22	-0.03	+90	+45	+28	**+382**	*-23*	+49	51	+732	104	107	112	108	104	102	105	69	100	102	110	100	**106**
	DE 0540355222	**Wil Hokaido Pp**		Hotspot P	Mission P	63	**+339**	*n*	69	+1397	+0.02	+0.07	+0.11	+61	+56	+75	**+380**	*n*	+73	51	+699	103	108	105	105	105	103	103	69	94	101	114	102	**107**
CRV	NL 673916736	**Lowlands Greenport**		Leonardo	Danno	64	**+339**	*-18*	70	+795	+0.47	+0.21	+0.02	+79	+48	+38	**+374**	*-43*	-1	54	+652	108	106	107	100	103	98	103	70	107	105	107	108	**111**
CRV	NL 660158767	**Manders Don**		Jetset	Mobile	67	**+339**	*+38*	72	+966	+0.34	+0.16	+0.09	+74	+49	+53	**+372**	*+45*	+28	58	+762	109	105	105	103	104	100	102	72	103	105	111	104	**110**
	DE 0360914779	**Mb Mezzo**		Mr Puma	View-Home Powe	63	**+338**	*+4*	69	+2502	-0.23	-0.06	+0.03	+80	+81	+118	**+536**	*+4*	+9	52	+788	108	98	102	99	103	95	101	70	101	105	113	101	**108**
CRV	NL 685665840	**Delta Joy**		Jol	Bolt Rf	64	**+338**	*+8*	69	+2044	-0.20	+0.17	+0.01	+65	+90	+94	**+534**	*+5*	-14	53	+571	106	99	105	101	103	99	103	70	100	101	108	108	**109**
	DE 000359803005	**Jeh Konga**		Kerrigan	Missouri	65	**+338**	*-2*	71	+1827	+0.12	+0.08	-0.03	+90	+72	+80	**+508**	*+4*	+46	55	+693	105	101	103	97	102	104	103	72	99	102	112	101	**107**
	DE 0361195337	**Belami**		S-S-I Franchise	Endco Superhero	63	**+338**	*n*	69	+2060	-0.15	+0.01	+0.04	+71	+73	+98	**+478**	*n*	+40	51	+646	104	104	106	103	104	102	103	69	101	103	105	104	**106**
	NL 586897298	**Peak Senator**		Mirabell Sound	Edg Rubicon	63	**+338**	*-4*	69	+2203	+0.14	-0.23	+0.04	+109	+52	+105	**+474**	*-20*	-57	53	+670	104	102	106	102	103	103	105	70	103	106	115	107	**113**
GGI	DE 0666869573	**Blondin**		Barcley	Racer	66	**+338**	*-3*	71	+1701	+0.06	+0.05	+0.03	+79	+65	+81	**+457**	*+4*	+0	57	+781	107	99	105	106	105	98	104	72	99	103	112	107	**110**
Tot	US 3134545257	**Plain-Knoll Marcus**		Benz	Ferdinand	62	**+338**	*+71*	68	+1700	-0.04	+0.09	+0.05	+68	+69	+83	**+451**	*+70*	-39	51	+697	106	106	105	101	105	100	104	69	104	105	114	100	**109**
CRV	NL 724941269	**Weelder Endurance**		Bravo	G-Force	68	**+338**	*-10*	72	+1579	+0.14	+0.07	+0.00	+82	+62	+72	**+448**	*-5*	+14	59	+730	106	103	104	108	103	97	104	72	101	102	110	104	**108**
WWS	US 3141559586	**De-Su Frazzld Rome 14192**		Frazzled	Woodcrest Mogu	55	**+338**	*+4*	63	+1335	+0.39	+0.04	-0.01	+96	+51	+60	**+429**	*+14*	+14	40	+880	107	106	106			101		65	97	103	106	100	**103**
CRV	US 3145229839	**Peak Hazard**		Bandares	Rubicon	65	**+338**	*-31*	71	+1478	+0.03	+0.10	+0.17	+66	+62	+85	**+418**	*-24*	+4	55	+832	106	104	109	106	105	100	103	71	102	104	110	102	**108**
	CA 13269483	**Progenesis Pittsburgh**		Challenger	Granite	51	**+338**	*n*	59	+1389	+0.25	+0.04	+0.00	+85	+53	+63	**+415**	*n*	-19	38	+849	106	105	106	101		101		62	97	105	117	102	**110**
GGI	DE 0122835602	**Gigabyte**		Gymnast	Silver	64	**+338**	*+22*	69	+1846	-0.16	-0.03	+0.04	+62	+61	+88	**+407**	*+14*	-33	52	+771	105	105	107	102	103	96	104	70	106	106	114	105	**113**
	IT 36990580805	**Passini Reddington**		Quantum	Battlecry	47	**+338**	*-2*	53	+1323	+0.14	+0.10	+0.00	+70	+56	+60	**+395**	*+18*	-23	35	+961	109	106		102		100		54	99	104	110	103	**107**
	DK 2371403159			Hotspot P	Sniper	56	**+338**	*n*	62	+1678	-0.18	+0.02	-0.01	+53	+61	+76	**+384**	*n*	-43	44	+1031	110	106	105	105	102	100		65	98	104	112	99	**106**
	DE 0817175136	**Brentano**		S-S-I Franchise	De-Su 12109 Bat	63	**+338**	*n*	69	+1528	+0.00	+0.01	+0.04	+65	+54	+74	**+380**	*n*	+51	51	+803	105	106	99	102	105	101	104	69	102	100	112	105	**110**
STG	US 3132349851	**Mr Spring Noble**		Altaspring	Numero Uno	64	**+338**	*+38*	72	+2100	-0.24	-0.20	-0.01	+63	+52	+95	**+374**	*+18*	-29	53	+925	109	108	105	103	104	102		74	101	106	115	98	**108**
STG	US 3132353418	**Mr D-Worth Menace**		Butz-Hill Delta	Flamer	54	**+338**	*+9*	63	+1357	+0.20	-0.07	-0.01	+78	+40	+61	**+346**	*+1*	+28	39	+909	108	106	108	101		104		65	98	102	113	102	**108**
	ES 2704695903	**Teixeiro Clun Bale Fiv Et**		Pentagon K&l Po	Suprem	63	**+338**	*+13*	69	+1878	-0.42	-0.22	+0.01	+35	+42	+87	**+272**	*+4*	+25	52	+799	109	108	101	101	103	95	104	69	102	104	116	107	**113**
K&L	FR 7261295251	**Nacash**		Superhero	Rubicon	65	**+337**	*-3*	71	+951	+0.55	+0.25	+0.10	+94	+57	+53	**+447**	*+6*	-17	55	+668	104	107	105	101	102	97	103	71	100	108	110	103	**108**
Kam	NL 648499303	**Koepon Random**		Ranger	Board	60	**+337**	*-53*	69	+1409	+0.18	+0.14	+0.04	+78	+63	+68	**+443**	*-45*	-54	52	+550	105	104	105	105	101	103	106	69	103	104	110	110	**112**
	US 3150687234	**Pine-Tree 7019 Skywa 350-E**		Skywalker	Profit	52	**+337**	*n*	59	+1468	+0.00	+0.10	-0.01	+62	+61	+66	**+400**	*n*	+7	39	+794	106	107	109	103		103		63	97	103	111	101	**106**
Kam	NL 759464722	**Katershorst Job**		Jorben	Bookem	65	**+337**	*+27*	73	+1340	+0.04	+0.11	+0.07	+61	+58	+68	**+386**	*+22*	+10	59	+639	106	104	107	103	100	96	108	73	101	104	111	106	**110**
	US 3142332580	**Pine-Tree Goldengate-Et**		Westcoast Guara	Wa-Del Yoder Ba	63	**+337**	*+8*	69	+1484	-0.12	+0.10	+0.07	+51	+62	+75	**+384**	*+10*	+8	52	+816	107	106	107	98	103	104	103	69	103	105	112	101	**109**
	DK 2371403145			Review	Battlecry	57	**+337**	*n*	64	+1884	-0.28	-0.12	-0.01	+50	+53	+85	**+348**	*n*	-42	46	+938	112	104	105	97	101	96		66	105	105	113	105	**112**
	CA 13269330	**Progenesis Banksy**		Marius	Imax	53	**+336**	*+1*	61	+2009	-0.03	+0.04	-0.01	+82	+74	+91	**+503**	*+16*	-17	38	+805	105	105	106	101		101		62	102	105	109	98	**105**
	NL 893280039	**Delta Firestone**		Concert	Balisto	63	**+336**	*-20*	71	+2364	-0.38	+0.01	+0.01	+58	+83	+109	**+495**	*-49*	-4	57	+712	108	101	104	98	101	95	102	72	98	103	110	102	**106**
Alt	US 3143383922	**Bomaz Altacabot**		Altatopshot	Cabriolet	54	**+336**	*+5*	62	+1176	+0.50	+0.13	-0.01	+100	+54	+53	**+447**	*+29*	+14	39	+798	107	104	105		103	101		63	98	104	107	103	**105**
	US 3007971642	**Delicious Charl Holdon-Et**		Charl	Draco	52	**+336**	*n*	59	+2158	-0.13	-0.15	+0.00	+78	+59	+98	**+435**	*n*	+6	39	+787	106	107	109	106		101		62	98	102	111	97	**104**
CRV	NL 883539231	**Delta Fisherman**		Accord	Missouri	63	**+336**	*+2*	69	+992	+0.36	+0.29	-0.09	+77	+63	+36	**+431**	*+10*	-51	53	+668	108	103	105	109	104	99	105	70	101	106	110	107	**110**
	FR 6114354190	**Opera**		Adorable	Wickham	63	**+336**	*-27*	69	+1633	-0.02	+0.06	+0.05	+67	+63	+80	**+423**	*-32*	-45	53	+709	105	105	105	96	105	102	105	70	104	106	116	104	**113**
Tot	DE 0539063892	**Wilder Hong**		Superhero	Powerball P	65	**+336**	*-17*	71	+1990	-0.23	-0.08	+0.05	+60	+61	+96	**+405**	*-7*	-13	55	+806	106	106	107	102	99	104	104	71	103	107	115	99	**109**
GGI	DE 0540493721	**Bachelor P**	PO	Batch P	Board	63	**+336**	*+24*	69	+1444	-0.02	+0.09	+0.05	+59	+60	+71	**+391**	*+14*	+16	52	+789	107	105	104	103	100	99	104	70	93	101	107	105	**104**
CRV	NL 867252963	**Delta Pareto**		Dazzel	Laurent P Rf	63	**+336**	*n*	69	+1035	+0.32	+0.17	+0.05	+75	+53	+52	**+390**	*n*	-53	52	+735	107	105	107	105	103	98	107	70	105	103	107	107	**109**
	CA 13353512	**Peak Relay**		Positive	Frazzled	51	**+335**	*n*	58	+2637	-0.10	-0.13	+0.00	+101	+77	+120	**+564**	*n*	-38	37	+722	105	101	104	97		105		62	104	105	111	101	**108**
Sem	US 3141637502	**Blumenfeld Zebra**	RF	Apprentice	Altaspring	60	**+335**	*+13*	68	+2911	-0.55	-0.23	-0.01	+60	+75	+132	**+473**	*+1*	-34	47	+729	107	105	106	103	104	101		70	103	106	111	100	**108**
GGI	DE 0539675034	**Hotspot P**	PO	Superhero	Powerball P	65	**+335**	*-13*	71	+1454	+0.12	+0.21	+0.06	+74	+72	+72	**+472**	*-31*	+28	55	+641	102	105	107	104	104	107	103	71	99	104	115	100	**108**
	DE 0361199175	**Vh Harry P**		Hotspot P	Jetset	62	**+335**	*n*	69	+1137	+0.34	+0.23	+0.06	+82	+62	+58	**+444**	*n*	+22	52	+598	105	106	107	105	105	101	102	69	98	104	106	104	**105**
	NL 685693366	**Peak Altazarek-Et**		Altatopshot	Rubicon	55	**+335**	*-5*	64	+1870	-0.02	-0.06	+0.00	+77	+59	+85	**+429**	*+26*	-19	40	+857	108	104	103		104	102		65	98	105	113	102	**108**
GGI	DK 02371403055	**Match P**	RF PO	Mission P	Silver	65	**+335**	*-12*	71	+2054	-0.18	-0.11	+0.06	+68	+60	+100	**+419**	*-30*	+2	55	+664	106	107	105	100	105	102	104	71	98	104	112	100	**106**
	DK 260205	**Vh Roenhave Baylor Boman**		Vh Anderstrup B	Vh Offie Ohare	60	**+335**	*-4*	69	+1381	+0.25	+0.06	-0.05	+84	+54	+58	**+415**	*+8*	+54	51	+775	106	107	107	109	103	104	103	69	95	99	103	99	**99**
CRV	NL 883409376	**Delta Fitness**		Magister	Balisto	64	**+335**	*-22*	69	+1664	-0.19	+0.07	-0.05	+51	+65	+71	**+395**	*-9*	-43	56	+896	109	103	104	103	105	99	104	72	102	106	110	105	**109**
	US 3132350832	**St Gen Noble Brunoy-Et**		Noble	Mr Day Dearing	52	**+335**	*+12*	59	+1757	-0.05	-0.06	+0.00	+69	+55	+80	**+394**	*+18*	+8	39	+832	106	108	108	101		102		62	99	103	111	99	**105**
	US 3204326921			Kenobi	Frazzled	51	**+335**	*n*	58	+1686	+0.01	-0.06	-0.01	+73	+53	+76	**+393**	*n*	+9	38	+869	108	106	108	104		101		62	99	103	111	99	**105**
CRV	NL 684617547	**Delta Shelter**		Inductor	Silver	63	**+335**	*-11*	69	+1875	-0.21	-0.12	+0.05	+57	+53	+91	**+364**	*-11*	-37	53	+754	105	109	99	100	104	99	104	70	103	106	117	105	**113**
CRV	NL 889152452	**Delta Landlife P**	PO	Barrage	Rafter P Rf	63	**+335**	*-5*	69	+576	+0.42	+0.24	+0.01	+64	+43	+27	**+319**	*-20*	-51	53	+674	107	112	104	102	101	98	107	70	99	105	105	106	**106**
CRV	CZ 053823748	**Delta Lucid**		Magister	Sunfish	64	**+335**	*-5*	69	+551	+0.26	+0.20	-0.01	+48	+38	+24	**+264**	*-3*	+52	55	+754	109	108	108	105	103	98	104	71	100	103	110	106	**109**
AWE	DE 0770405808	**Fabulus**		Flattop	Balisto	66	**+334**	*+9*	71	+545	+0.89	+0.34	-0.04	+106	+51	+21	**+438**	*+27*	+34	57	+759	107	102	105	105	105	96	104	72	97	101	110	102	**106**
GGI	DE 0540130080	**Wilder Intro**		Imax	Jedi	64	**+334**	*+33*	70	+1410	+0.26	+0.07	+0.05	+87	+56	+69	**+433**	*+42*	-3	53	+700	103	105	106	103	103	106	105	70	100	105	114	103	**110**

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NVI wordt berekend als INET officieel is, ontbrekende fokwaarden gaan niet mee in NVI

Inet = 0,3*kg lactose + 2,1*kg vet + 4,1*kg eiwit

NVImelkdoel = 0,4*Inet +0,08*lvd +4,7*UGH +6,3*VRU +1,8*Uier +3,6*Beenwerk +1,8*GEB +2,7*KGH + 0,23*BVK
NVIdubbeldoel = 0,35*Inet +0,09*lvd +5,2*UGH +5,2*VRU +5,2*Uier +6*Beenwerk +2*GEB + 5,2* VLi

Perspublicatie stierindexen Zwartbont genomisch zonder dochters

December 2019

Ki Ai	Stiernummer Bull number	Stiernaam Bull name	Erf-fa Her-fa	Vader Sire	M-vader MGS	Bt Rel	NVI NVI	+/- +/-	Bt Rel	kgM kgM	%V %F	%E %P	%L %L	kgV kgF	kgE kgP	KgL KgL	INET INET	+/- +/-	BVK SFCM	Bt Rel	Lvd Lon	Ugh Udh	Vru Fer	Gin Cal	Geb DCE	KA Tem	MS MS	Kgh CLW	Bt Rel	F F	T DS	U U	B F&L	Ext T
Melkdoel Zwart							pnt			**Productie**							**€**		**€**					**Functioneel**						**Exterieur**				
Kam	NL 884786720	**Lone Ranger**		Ranger	Metallic	60	**+334**	*-40*	69	+1864	-0.16	+0.00	+0.03	+62	+65	+88	**+423**	*-30*	+22	53	+674	109	101	104	104	100	103	104	70	99	101	108	107	**108**
CRV	NL 899567231	**Delta Shiner P**		Benz	Finder	63	**+334**	*n*	69	+1447	+0.11	+0.00	+0.11	+73	+50	+77	**+381**	*n*	-2	52	+655	107	105	110	106	105	102	104	69	106	104	108	106	**110**
ABS	US 3141494507	**Denovo 7921 Atrium**		Achiever	Mr Mogul Delta	54	**+334**	*+18*	62	+941	+0.50	+0.07	-0.01	+89	+40	+42	**+364**	*+15*	+24	39	+826	107	107	109	105		104		63	100	105	107	103	**106**
CRV	NL 937658659	**Delta Monaco**		Vh Bosman	Titanium	66	**+333**	*+27*	71	+1216	+0.40	+0.28	+0.00	+92	+70	+55	**+497**	*+28*	+57	57	+620	105	101	103	107	98	102	104	72	93	100	110	102	**104**
CRV	NL 872395747	**De Biesheuvel Joshua**	CD	Regard	Balisto	65	**+333**	*+12*	72	+1573	+0.00	+0.09	+0.04	+67	+64	+76	**+426**	*+19*	+23	59	+810	108	101	103	108	101	102	104	72	97	104	112	103	**108**
WWS	US 3144506083	**Kerndtway Exodus**		Reason	Heisenberg	61	**+333**	*-2*	69	+1540	+0.03	+0.00	+0.00	+69	+54	+70	**+387**	*+11*	-29	47	+795	109	106	110	94	103	103		69	100	102	113	100	**107**
CRV	NL 661726969	**Double W Rotary**		Galore	Snowfever Cd	66	**+333**	*+13*	71	+1511	-0.16	+0.04	+0.11	+48	+57	+80	**+359**	*-4*	-22	58	+821	107	105	100	103	101	97	104	72	98	105	112	109	**111**
Tot	FR 5366624921	**Drakkar Baylaboy**		Kingboy	Garrett	67	**+333**	*+14*	72	+1877	-0.30	-0.17	-0.03	+48	+47	+82	**+318**	*+19*	-6	59	+848	106	108	111	100	103	93	106	72	102	103	108	103	**107**
CRV	NL 756052137	**De Biesheuvel Jopper P Rf**	RF PO	Movement	Fun P	64	**+332**	*+26*	69	+1120	+0.46	+0.14	-0.01	+93	+53	+50	**+428**	*+37*	-8	53	+718	107	102	105	103	103	98	106	70	103	104	105	107	**108**
CRV	NL 586848551	**Delta Leverage**		Inductor	Bravo	64	**+332**	*-3*	70	+634	+0.58	+0.26	+0.00	+82	+47	+29	**+374**	*-10*	-19	54	+755	106	104	107	108	105	98	105	70	98	103	110	108	**109**
Gex	NL 648499264	**Peak Bonanza**		Frazzled	Woodcrest Mogu	53	**+331**	*+29*	60	+1770	+0.08	-0.07	-0.01	+84	+54	+80	**+422**	*+24*	+13	39	+778	106	106	108	100		101		64	95	102	109	100	**104**
CRV	NL 632593598	**Delta Paddock Pp**		Sunfit P	Laurent P Rf	63	**+331**	*n*	69	+1092	+0.16	+0.05	+0.00	+62	+43	+50	**+322**	*n*	-4	52	+716	107	106	107	107	102	99	107	70	99	102	106	109	**108**
Mas	NL 872871665	**Summerlake**		Dg Charley	Balisto	66	**+330**	*-26*	71	+1605	+0.42	+0.06	+0.06	+112	+62	+79	**+513**	*+3*	-54	56	+607	106	103	107	107	105	98	104	72	100	105	106	102	**105**
CRV	NL 872731768	**Delta Harvester**		Paragon	Balisto	66	**+330**	*+16*	71	+789	+0.66	+0.37	+0.05	+97	+63	+41	**+474**	*+45*	+5	58	+724	104	103	103	101	101	99	103	72	102	104	109	104	**108**
ABS	US 3145627240	**Denovo 14566 Crosby**		Dg Charley	Rubicon	56	**+330**	*-10*	64	+1644	+0.19	-0.03	-0.01	+90	+54	+74	**+433**	*+15*	-6	43	+819	107	104	111	104	104	100		65	98	103	106	101	**104**
Tot	CA 12719163	**Progenesis Charley Peter**		Dg Charley	Silver	66	**+330**	*-22*	71	+2202	-0.41	-0.10	+0.05	+49	+66	+106	**+405**	*-13*	-29	56	+711	104	106	106	101	104	103	104	72	102	106	112	105	**111**
CRV	NL 562601846	**Delta Marco**	RF	Esperanto	Rafter P Rf	63	**+329**	*-53*	69	-129	+0.87	+0.41	+0.04	+70	+31	-2	**+274**	*-46*	+3	53	+589	107	108	111	113	102	92	108	70	93	103	110	108	**108**
K&L	DK 03800006019	**Vh Hoejgaard Raffi Raymon**		Vh Smaakjaerg R	Nilson	60	**+328**	*+2*	69	+1120	+0.03	+0.10	+0.03	+51	+49	+54	**+324**	*+1*	+44	52	+691	106	108	107	109	100	98	104	69	102	100	105	106	**106**
Tot	FR 5344216790	**Neal**		Dg Charley	Mardi Gras	66	**+328**	*-30*	71	+1159	+0.03	+0.04	+0.13	+52	+44	+66	**+309**	*-26*	+11	56	+793	107	108	107	108	108	106	103	71	97	104	113	103	**108**
Dek	FR 4242646974	**Nuberon**		Superhero	Silver	65	**+327**	*+14*	71	+1181	+0.39	+0.21	+0.05	+89	+62	+59	**+459**	*+8*	-21	55	+636	104	105	105	102	101	102	104	71	105	107	111	102	**109**
GGI	DE 1603476033	**Barbarossa**		Balisto	Brewmaster	67	**+327**	*-2*	72	+1599	+0.10	+0.07	+0.13	+78	+63	+86	**+448**	*-2*	+19	59	+715	105	102	105	104	99	100	104	72	92	100	107	105	**104**
CRV	NL 589401100	**Delta Yeti**	RF	Endurance	Silver	64	**+327**	*-27*	69	+1186	+0.30	+0.21	-0.02	+80	+62	+52	**+438**	*-28*	-87	54	+675	105	104	105	102	103	100	105	70	102	107	110	108	**111**
Mas	DE 0122629390	**Lightstar**		Lighter	Moviestar Model	63	**+327**	*+2*	69	+1840	+0.01	-0.06	-0.11	+79	+58	+72	**+425**	*+8*	+4	52	+602	103	108	105	101	103	102	104	70	101	103	109	102	**107**
K&L	DK 02371402972	**Anderstrup Horizon**		Jetset	Boss	67	**+327**	*+3*	71	+1497	+0.05	+0.10	+0.01	+69	+62	+69	**+420**	*+8*	-8	58	+773	108	101	105	101	102	92	105	72	105	105	112	103	**110**
Dek	DE 0358878741	**Melfield**		Chevalier	Balisto	66	**+327**	*+2*	71	+1601	-0.17	+0.03	+0.06	+50	+59	+79	**+371**	*-11*	+24	57	+811	108	104	109	103	104	94	104	72	101	103	110	100	**106**
GGI	NL 714486680	**Peeldijker Converse**		Concert	Silver	66	**+327**	*-4*	71	+1123	+0.01	+0.02	+0.08	+49	+41	+59	**+289**	*-33*	+4	56	+685	107	109	104	102	105	102	103	72	102	106	114	107	**113**
Mas	DE 0359235304	**Bestday**		Bestboss	Balisto	66	**+326**	*+7*	71	+1744	+0.01	+0.12	+0.07	+75	+73	+87	**+483**	*+3*	+49	56	+730	104	101	103	102	100	95	102	71	99	102	113	101	**107**
Sem	CA 12719068	**Progenisis Prosperous**		Magnus	Supershot	61	**+326**	*+13*	69	+1846	-0.09	-0.06	+0.00	+69	+58	+84	**+408**	*+27*	-31	48	+894	112	103	102		106	100		71	103	104	113	99	**108**
CRV	NL 674024775	**Delta Jeronimo**		Barcley	Bube	66	**+326**	*-21*	71	+1089	+0.14	+0.13	+0.00	+60	+51	+50	**+350**	*+0*	-1	57	+801	106	105	107	106	107	103	105	72	104	102	106	107	**108**
GGI	DE 0667199756	**Quentin**		Quantum	Baltikum	64	**+325**	*-6*	69	+1593	+0.03	+0.21	-0.04	+71	+77	+69	**+486**	*+2*	-102	53	+678	105	105	105	104	106	96	102	70	103	107	111	103	**109**
ABS	NL 742757381	**Hunter K&l Oh Bello**		Altatopshot	Silver	55	**+325**	*+6*	64	+1384	+0.17	+0.12	+0.00	+76	+60	+63	**+425**	*+18*	-16	40	+743	106	105	105	102	105	97		64	99	106	109	104	**107**
Tot	NL 661379035	**K&l Oh Rossi Guay**		Gymnast	Rubicon	63	**+325**	*+10*	69	+1414	+0.28	+0.04	+0.01	+89	+53	+66	**+424**	*+0*	-31	52	+684	105	104	105	102	102	94	102	70	103	107	119	103	**114**
ABS	US 3141494589	**Wilra Abs Amplify**		Achiever	Hotshot	54	**+325**	*-1*	63	+955	+0.42	+0.12	-0.01	+82	+45	+43	**+370**	*+9*	+6	38	+903	106	105	110	102		100		62	96	104	108	103	**105**
GGI	DE 0122629481	**Garido**		Gymnast	Penley	64	**+324**	*-9*	69	+2133	-0.03	-0.05	+0.01	+88	+69	+98	**+497**	*+28*	-21	52	+563	103	103	106	101	104	99	102	70	102	105	112	104	**110**
CRV	US 3142181656	**Peak Holcomb**		Outlast	Mr Mogul Delta	64	**+324**	*-10*	70	+1254	+0.48	+0.11	+0.01	+102	+55	+58	**+457**	*+3*	+11	52	+551	106	104	111	103	103	97	100	71	105	104	114	99	**109**
GGI	DE 0360208999	**Simon P**		Semino	Board	63	**+323**	*+3*	69	+2200	-0.06	-0.06	+0.05	+87	+70	+106	**+502**	*-11*	-39	53	+662	104	105	106	106	100	101	103	70	99	104	107	99	**103**
Mas	NL 571956786	**Heidenskipster Downtown**		Doorsopen	Supersire	67	**+323**	*+25*	72	+2205	-0.19	-0.10	+0.01	+73	+66	+102	**+455**	*+32*	-75	58	+753	108	103	106	98	102	96	102	72	104	107	114	100	**110**
GGI	DE 0539547917	**Brand**		Balu	Mahuva	66	**+323**	*-4*	71	+1912	-0.15	+0.03	+0.01	+65	+70	+88	**+450**	*+0*	-42	58	+699	106	106	103	104	104	100	102	72	98	104	105	103	**104**
WWS	US 3139490455	**Fustead S-S-I Solution**		Frazzled	Rubicon	56	**+323**	*+29*	65	+2072	-0.01	-0.15	+0.00	+87	+56	+94	**+441**	*+16*	-7	40	+743	106	103	109	99	104	101		66	100	105	108	103	**107**
CRV	NL 631937036	**Delta Composer**	RF	Ranger	Finder	63	**+323**	*-59*	69	+1575	+0.18	+0.01	+0.01	+86	+56	+73	**+432**	*-89*	-18	53	+651	108	101	107	108	103	102	103	70	99	102	109	106	**108**
Mas	DE 0359235308	**Amarok**		De-Su 12138 Ara	Montross	66	**+323**	*+14*	71	+1165	+0.05	+0.11	+0.09	+55	+52	+62	**+347**	*+20*	+23	55	+830	108	104	107	102	104	102	101	71	99	103	113	103	**109**
Tot	NL 586947632	**Essex**	RF	Esperanto	Filou Rdc	64	**+323**	*-39*	69	+1611	-0.29	-0.05	+0.01	+38	+51	+75	**+311**	*-41*	-1	53	+830	107	103	106	102	105	102	104	70	99	104	113	110	**112**
Alt	US 3138499077	**Peak Altaaltuve**	RF	Salvatore Rc	Monterey	55	**+322**	*-1*	63	+2244	-0.20	-0.09	+0.00	+73	+68	+102	**+463**	*-10*	-25	40	+717	105	103	107	102	106	99		65	101	105	109	104	**108**
Gex	US 3138766426	**Co-Op Aardem Subzero**		Blumenfeld Spri	Midnight	61	**+322**	*+13*	69	+1534	+0.11	+0.09	-0.01	+77	+63	+69	**+441**	*+17*	-4	47	+743	104	106	104		102	104		69	101	103	113	100	**108**
GGI	NL 586897801	**Peak Saltasire**		Salvatore Rc	Altaspring	65	**+322**	*+4*	71	+2421	-0.43	-0.16	+0.12	+55	+66	+124	**+423**	*-9*	-4	53	+645	104	105	107	105	103	97	102	71	103	107	111	104	**110**
Tot	NL 940038369	**Drouner Classic**		Dg Charley	Silver	66	**+322**	*-41*	71	+1936	-0.06	-0.14	+0.05	+76	+52	+94	**+401**	*-35*	+30	56	+718	105	105	105	102	103	103	103	72	94	99	108	103	**104**
K&L	DK 04282203769	**Vh Bosman Bliet Rc**	RF	Vh Bosman	Fageno	66	**+322**	*+11*	71	+878	+0.29	+0.23	+0.01	+65	+53	+41	**+366**	*+17*	+10	56	+665	105	109	107	102	102	99	100	72	97	101	107	104	**105**
CRV	NL 632175000	**Delta Sturdy**		Ranger	Paragon	63	**+322**	*-64*	69	+776	+0.45	+0.17	+0.07	+76	+43	+42	**+349**	*-72*	-93	53	+634	105	108	103	105	101	96	104	70	106	107	115	110	**116**
CRV	BE 213107823	**Delta Waterloo**		Jorben	Monopoly	66	**+322**	*+12*	71	+1161	-0.05	+0.11	+0.07	+44	+51	+60	**+320**	*+37*	-26	58	+806	106	103	101	105	99	103	110	72	99	105	107	113	**111**
AWE	DE 1405723149	**Bongani**		Blowtorch	Altaspring	65	**+321**	*+3*	71	+1690	+0.13	-0.01	-0.02	+86	+58	+75	**+441**	*+11*	-20	53	+633	103	105	103	101	102	106	105	71	100	105	111	104	**109**
ABS	US 3143383981	**Bomaz Saige**		Ocd Spring Samu	Draco	54	**+321**	*+13*	63	+2008	-0.10	-0.12	-0.01	+75	+57	+91	**+419**	*+20*	+4	40	+798	107	104	109	104		101		64	99	105	110	99	**105**
Exc	DE 0538895079	**Wilder Mocca**		Supershot	Boss	67	**+321**	*+13*	72	+1885	-0.26	-0.04	-0.02	+53	+61	+84	**+387**	*+15*	-43	59	+635	103	108	106	107	105	98	105	72	101	105	110	105	**109**
Bov	US 3140239417	**Matcrest Charley Chaplin**		Dg Charley	Mr Mogul Delta	56	**+321**	*-6*	64	+2073	-0.28	-0.14	-0.01	+58	+57	+94	**+384**	*+13*	+17	43	+772	106	106	110	100	106	102		66	98	102	108	101	**104**
CRV	US 3149336754	**Peak Seton**		Guarantee	Jedi	62	**+321**	*+25*	69	+1192	+0.17	+0.11	+0.01	+68	+53	+55	**+377**	*+43*	-42	52	+669	109	108	108	104	105	104	99	69	99	105	112	100	**107**
CRV	NL 889152469	**Delta Abundant P**	RF PO	Ranger	Fun P	63	**+321**	*-65*	69	+1469	+0.00	-0.01	+0.12	+63	+50	+79	**+361**	*-73*	-57	53	+568	108	106	99	104	101	98	103	70	105	104	115	110	**115**
CRV	NL 660112422	**Diepenhoek Citadel**		Altabanco	Balisto	64	**+321**	*+8*	71	+1354	-0.10	+0.03	-0.04	+47	+50	+58	**+321**	*+26*	-13	57	+703	106	107	112	106	104	103	105	72	98	104	110	104	**107**
Kam	NL 935351749	**Jennekus Baryton**		Barcley	Packman	64	**+320**	*+2*	71	+691	+0.79	+0.48	-0.11	+104	+70	+21	**+512**	*-3*	-21	58	+484	102	105	105	101	105	98	107	72	105	102	97	105	**103**
CRV	US 3130395199	**Lexvold Slade**		Altarobson	Mr Mogul Delta	64	**+320**	*+11*	70	+783	+0.47	+0.27	+0.03	+78	+53	+39	**+393**	*+28*	-45	52	+697	104	106	109	101	106	100	101	69	102	105	109	107	**110**
CRV	US 3132426407	**Peak Dirk**		Bayonet	Distinction	66	**+320**	*+5*	71	+1482	-0.09	+0.00	+0.09	+54	+52	+77	**+350**	*+19*	+37	56	+749	103	108	109	101	103	104	104	71	99	101	107	102	**105**
K&L	DK 02468005021	**Vh Tirsvad Louxor Laval P**	PO	Louxor	Powerball P	63	**+320**	*-5*	70	+1308	-0.10	+0.10	+0.00	+46	+56	+60	**+344**	*-29*	+17	51	+763	108	107	106	103	105	94	102	71	103	103	109	101	**107**
Ves	IT 019991766092	**Go-Farm Spinoff**		Padawan	Rubicon	49	**+320**	*+18*	56	+1211	+0.04	+0.04	+0.00	+56	+46	+55	**+323**	*+18*	-43	35	+1004	110	108		101	105	102		59	101	105	111	101	**107**

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NVI wordt berekend als INET officieel is, ontbrekende fokwaarden gaan niet mee in NVI

Inet = 0,3*kg lactose + 2,1*kg vet + 4,1*kg eiwit

NVImelkdoel = 0,4*Inet +0,08*lvd +4,7*UGH +6,3*VRU +1,8*Uier +3,6*Beenwerk +1,8*GEB +2,7*KGH + 0,23*BVK
NVIdubbeldoel = 0,35*Inet +0,09*lvd +5,2*UGH +5,2*VRU +5,2*Uier +6*Beenwerk +2*GEB + 5,2* VLi

Perspublicatie stierindexen Zwartbont genomisch zonder dochters

December 2019

Ki Ai	Stiernummer Bull number	Stiernaam Bull name	Erf-fa Her-fa	Vader Sire	M-vader MGS	Bt Rel	NVI NVI	+/- +/-	Bt Rel	kgM kgM	%V %F	%E %P	%L %L	kgV kgF	kgE kgP	KgL KgL	INET INET	+/- +/-	BVK SFCM	Bt Rel	Lvd Lon	Ugh Udh	Vru Fer	Gin Cal	Geb DCE	KA Temp	MS MS	Kgh CLW	Bt Rel	F F	T DS	U U	B F&L	Ext T
Melkdoel Zwart							pnt			**Productie**							**€**		**€**					**Functioneel**						**Exterieur**				
	US 3138483531	**Siemers S Hero Sure Roz**		Superhero	Mr Mogul Delta	61	**+320**	*-4*	69	+1745	-0.21	-0.18	-0.01	+52	+42	+79	**+305**	*-11*	+0	49	+1008	109	107	105		104	105		70	101	104	114	99	**108**
CRV	US 73953433	**Bomaz Spring Forward**		Altaspring	Altaembassy	67	**+319**	*+9*	71	+1468	+0.22	+0.09	+0.05	+85	+60	+72	**+446**	*+9*	+40	58	+662	103	103	105	101	101	101	106	72	103	105	107	102	**106**
Mas	DE 0359556232	**Keith**		Kerrigan	Balisto	66	**+319**	*-1*	71	+1974	-0.20	-0.02	+0.02	+62	+67	+92	**+433**	*-8*	-1	56	+861	106	102	103	101	103	101	100	72	102	103	113	102	**109**
GGI	DE 0123347457	**Voß Chacco**		Cameron	Dozer	63	**+319**	*-12*	69	+2105	-0.29	-0.10	+0.02	+58	+62	+98	**+405**	*-23*	-70	52	+836	107	104	103	103	106	104	105	69	100	107	112	102	**108**
K&L	DK 03372307328	**Vh Anderstrup Battlecry Bay**		Battlecry	G-Force	66	**+319**	*+17*	71	+1024	+0.28	+0.13	+0.00	+71	+48	+47	**+360**	*+33*	+34	58	+660	107	105	105	106	104	102	103	72	100	100	108	105	**107**
CRV	NL 685976393	**Delta Frontline**		Topgear	Missouri	66	**+319**	*-3*	71	+1685	-0.19	-0.05	-0.06	+52	+53	+71	**+348**	*+2*	-35	57	+568	106	106	105	103	102	99	105	72	102	106	114	108	**113**
Sem	CA 12638241	**Westcoast Athabaska**		Euclid	Mvp	61	**+319**	*+4*	69	+1248	+0.16	-0.05	-0.01	+69	+39	+56	**+322**	*+27*	-34	48	+859	108	108	105		104	100		71	104	105	112	103	**110**
Kam	NL 673227830	**Ross Umpire**		Modesty	Platinum	63	**+319**	*-13*	71	+597	+0.33	+0.09	+0.00	+56	+29	+27	**+245**	*-14*	+54	57	+744	105	107	108	104	100	106	106	72	94	102	116	106	**110**
Alt	US 3143160074	**Peak Altafasttrack**		Helix	Silver	56	**+318**	*+35*	64	+2037	+0.17	-0.06	-0.01	+105	+65	+92	**+515**	*+38*	+3	41	+419	99	106	110		105	107		66	101	103	109	103	**107**
CRV	NL 872395552	**De Biesheuvel Jethro**		Regard	Balisto	67	**+318**	*-51*	72	+967	+0.44	+0.28	+0.04	+84	+61	+48	**+441**	*-74*	+3	59	+704	107	102	105	106	101	105	105	72	99	102	105	102	**104**
Alt	NL 648499202	**Peak Altaeldorado**		Frazzled	Woodcrest Mogu	53	**+318**	*n*	60	+1822	+0.08	-0.07	+0.00	+86	+56	+83	**+435**	*n*	+13	39	+701	105	104	109	101		101		64	97	103	109	101	**105**
CRV	NL 677989059	**Delta Joe Pp**	RF	Sunfit P	Laurent P Rf	63	**+318**	*n*	69	+1728	-0.14	+0.05	+0.01	+59	+65	+80	**+414**	*n*	-25	52	+567	107	103	107	107	102	99	104	70	95	100	105	108	**105**
CRV	NL 646971474	**Brakels Starman**		Rafter P Rf	Balisto	67	**+318**	*-5*	72	+741	+0.53	+0.30	+0.09	+82	+54	+42	**+406**	*-16*	+13	58	+633	108	104	101	100	107	97	105	72	99	101	109	102	**106**
OBS	DE 0359172941	**Kent**		Kerrigan	Supershot	66	**+318**	*-13*	71	+1799	-0.13	-0.12	+0.02	+63	+50	+84	**+363**	*-12*	+66	56	+770	104	105	110	101	103	100	105	72	98	99	108	100	**103**
Tot	NL 699058814	**Hul-Stein Breezer**		Achiever	Octoberfest	56	**+318**	*+22*	63	+1047	+0.48	+0.02	-0.01	+92	+38	+47	**+363**	*+40*	+18	41	+722	106	106	107	102		101		66	101	103	110	104	**108**
Mas	NL 571956700	**Heidenskipster Spitfire**		Salvatore Rc	Montross	65	**+318**	*+27*	71	+1396	+0.22	-0.09	+0.09	+82	+40	+73	**+358**	*+34*	-17	53	+650	106	106	110	102	107	103	104	71	99	106	116	101	**110**
GGI	NL 885750757	**Batch P**	PO	Battlecry	Rocky	66	**+318**	*+18*	71	+992	+0.15	+0.14	+0.11	+57	+48	+56	**+333**	*+18*	+11	58	+827	107	104	103	102	104	97	105	72	98	105	106	108	**108**
STG	US 3132198315	**Mr Rubi-Agronaut 73287**		Rubicon	Shotglass	61	**+318**	*+27*	68	+648	+0.50	+0.14	-0.01	+75	+36	+29	**+314**	*+30*	+11	49	+831	107	106	105	104	103	98		71	99	105	112	106	**110**
Kam	NL 754797894	**Vandenberg Niro**		Bravo	Borussia	65	**+317**	*+24*	72	+1612	+0.04	+0.08	+0.04	+73	+65	+78	**+443**	*+51*	+25	59	+644	106	103	105	107	101	94	101	72	102	103	109	102	**107**
Mas	US 3135087031	**Saber**		Jedi	S-S-I Maurice H	66	**+317**	*+8*	71	+1773	-0.26	+0.12	+0.16	+48	+74	+98	**+434**	*+33*	-7	56	+656	107	105	105	102	108	100	99	71	100	104	110	101	**106**
	US 3142041200	**Mr Frazzled Aristocrat**		Frazzled	Monterey	61	**+317**	*+6*	68	+1715	-0.05	-0.05	+0.00	+68	+55	+78	**+392**	*+3*	-39	47	+767	109	105	108	101	104	96		70	103	103	113	99	**108**
Tot	FR 1442242316	**Drakkar Bangalore**		Altaspring	Chevrolet	67	**+317**	*-2*	72	+1455	+0.10	-0.06	+0.07	+72	+45	+74	**+358**	*-7*	+24	59	+747	105	102	107	100	99	103	106	72	99	106	114	105	**111**
CRV	NL 895652300	**Capnation Benello**		Bemell	Balisto	66	**+317**	*+15*	71	+1244	+0.06	+0.03	-0.01	+59	+46	+56	**+329**	*+19*	-14	58	+708	108	105	106	104	104	98	104	72	100	102	109	107	**109**
STG	US 3132353302	**Mr Farnear Helix Twitch**		Helix	Mr Mogul Delta	55	**+316**	*+26*	63	+1739	+0.23	-0.10	+0.00	+98	+50	+79	**+435**	*+36*	-3	40	+595	105	106	106	104		106		65	97	104	111	101	**106**
ABS	US 3140503778	**N-Springhope Escalate**		Frazzled	Woodcrest Mogu	53	**+316**	*+6*	60	+1766	+0.06	-0.07	-0.01	+82	+54	+80	**+418**	*+16*	-11	39	+822	107	103	108			102		64	99	105	109	101	**106**
Mas	US 3131618031	**A-Team**		Modesty	Damaris	65	**+316**	*+5*	71	+1258	+0.05	+0.10	+0.03	+59	+54	+60	**+363**	*-6*	+32	56	+576	103	106	109	103	103	106	105	71	100	103	112	104	**109**
GGI	DE 0122451167	**Avicii**		De-Su 12138 Ara	Montross	66	**+316**	*+8*	71	+1204	-0.10	+0.05	+0.00	+41	+47	+55	**+295**	*+18*	+4	55	+880	105	109	107	102	104	108	104	71	101	105	113	100	**108**
ABS	US 3130010426	**De-Su 13181 Quantum**	CD	Supershot	Mogul	66	**+315**	*+1*	73	+1722	-0.19	+0.03	-0.01	+53	+63	+78	**+393**	*+5*	-31	55	+727	107	106	107	102	106	99		76	104	105	111	101	**108**
CRV	NL 920287996	**Plataan Falcon**		Mobile	Paradise	67	**+315**	*+40*	72	+1343	+0.28	-0.11	+0.03	+86	+36	+64	**+347**	*+53*	+49	60	+549	107	106	105	102	103	98	102	72	96	103	106	107	**106**
ABS	US 3138277108	**Cal-Roy-Al Yoda**		Jedi	Woodcrest Mogu	63	**+314**	*+11*	71	+1811	+0.12	+0.04	-0.01	+90	+67	+82	**+488**	*+33*	+1	51	+600	106	101	109	105	105	102		73	100	104	113	99	**107**
ABS	US 3142332725	**Pine-Tree Advisor**		Achiever	Supersire	56	**+314**	*+3*	65	+1246	+0.34	+0.07	-0.01	+87	+50	+56	**+405**	*+12*	-1	41	+776	106	105	108	100	105	99		65	103	105	105	102	**105**
Kam	NL 682601339	**Espino**		Esperanto	Silver	61	**+314**	*-39*	69	+1552	+0.03	-0.03	-0.02	+69	+51	+69	**+375**	*-35*	-43	54	+716	104	103	104	100	102	103	106	70	102	105	111	110	**112**
Sem	US 3140616408	**Sandy-Valley I Batman**		Imax	Jedi	61	**+313**	*+8*	69	+1285	+0.45	+0.17	-0.01	+100	+62	+58	**+482**	*+34*	-14	48	+652	103	105	105	101	105	107		70	98	104	111	99	**105**
CRV	NL 577509733	**Delta Vineyard**		Magister	Hero	64	**+313**	*-28*	69	+1921	-0.24	+0.03	-0.04	+56	+70	+83	**+430**	*-25*	-46	56	+701	106	102	106	107	105	101	103	71	104	104	110	105	**110**
GGI	NL 750760847	**Jake**		Jetset	Balisto	67	**+313**	*-2*	72	+1602	-0.22	+0.08	+0.04	+45	+64	+77	**+380**	*+24*	-48	58	+783	108	102	102	103	102	96	104	72	99	104	117	104	**111**
	US 74345956	**Hurtgenlea Richard Charl**		Dg Charley	Woodcrest Mogu	62	**+313**	*-15*	69	+1686	+0.07	-0.15	-0.01	+79	+43	+76	**+365**	*+13*	+57	49	+769	105	105	109	107	103	107		70	95	100	110	101	**104**
CRV	NL 678155101	**Lowlands Lust**		Concert	Danno	66	**+313**	*-27*	71	+1178	+0.06	+0.12	+0.05	+56	+53	+59	**+353**	*-34*	+19	56	+526	106	107	105	100	105	101	103	72	101	105	104	108	**107**
CRV	NL 751116034	**De Vrendt Handy P**	RF PO	Brekem	Packman	69	**+313**	*+13*	72	+1449	-0.16	+0.01	+0.06	+45	+52	+72	**+329**	*+16*	+60	60	+519	104	109	106	106	104	103	108	81	99	102	106	102	**104**
CRV	NL 712948157	**Delta Nobel**		Topgear	Mobile	66	**+313**	*+0*	71	+548	+0.30	+0.22	-0.01	+51	+40	+24	**+278**	*+10*	-23	57	+677	108	105	104	101	104	95	105	72	103	106	111	112	**114**
Kam	NL 668543327	**Vekis Carry On**		Bourbon	Kingboy	63	**+312**	*+8*	71	+1801	+0.09	+0.03	+0.03	+86	+66	+85	**+477**	*+5*	-5	55	+646	106	102	108	101	103	97	101	71	103	104	109	99	**106**
WWS	US 3142490264	**T-Spruce Frazzled Huey**		Frazzled	Silver	56	**+312**	*n*	65	+1477	+0.20	-0.04	+0.00	+83	+47	+67	**+387**	*n*	-28	39	+512	108	106	109	106		103		66	101	105	109	104	**108**
CRV	US 3134408750	**Peak Nash**		Altapainter	Supersire	66	**+312**	*-7*	71	+1705	-0.14	-0.02	+0.02	+58	+57	+80	**+380**	*-19*	+37	56	+835	104	104	108	107	105	103	103	71	100	102	110	100	**106**
CRV	US 3138498821	**Peak Draftking**		Bourbon	Mr Mogul Delta	65	**+312**	*+2*	71	+1405	+0.16	-0.02	+0.06	+76	+47	+70	**+373**	*-4*	+7	54	+754	107	105	109	102	103	98	102	71	102	105	110	99	**106**
LIV	US 3140986110	**Leaninghouse Lgdry Maxim**		Legendary	Jacey	60	**+312**	*+5*	68	+1936	-0.31	-0.16	+0.00	+49	+50	+88	**+334**	*-6*	-53	47	+917	109	107	104	98	103	98		70	103	105	109	102	**107**
CRV	NL 732546041	**Delta Janick**		Jupiler	Bolt Rf	64	**+312**	*-57*	69	+1048	+0.22	+0.08	-0.05	+66	+44	+43	**+332**	*-59*	-26	53	+538	108	106	107	106	101	99	106	70	104	104	109	106	**110**
STG	US 3132352804	**St Gen Salvatore Rally**		Salvatore Rc	Co-Op Day Tuffle	60	**+312**	*-14*	67	+1802	-0.30	-0.19	+0.00	+45	+43	+82	**+295**	*-13*	-20	46	+858	108	107	108	105	107	101		69	98	105	115	102	**109**
CRV	US 3142181270	**Peak Matchup**		Altatopshot	Mr Mogul Delta	62	**+311**	*-28*	71	+2132	-0.14	-0.08	+0.02	+76	+66	+99	**+460**	*-15*	-1	52	+645	104	103	110	107	104	103	102	71	98	104	106	101	**104**
GGI	DE 0666847135	**Cyrano**		Cinema	Shotglass	66	**+311**	*-12*	71	+2297	-0.19	-0.17	+0.09	+77	+61	+115	**+446**	*-7*	+1	55	+645	104	101	108	99	102	101	104	72	101	105	107	105	**107**
GGI	DE 0666959699	**My Dream P**	RF PO	Mission P	Shotglass	65	**+311**	*-3*	71	+1646	-0.15	+0.17	+0.04	+54	+75	+79	**+445**	*+5*	+45	55	+438	103	107	108	104	101	99	103	71	97	101	108	98	**102**
CRV	BE 118490129	**Vendairy Watchman**		Jorben	Silver	66	**+311**	*+37*	71	+1428	+0.12	+0.11	+0.02	+73	+61	+67	**+424**	*+45*	-64	57	+520	106	105	103	103	100	96	105	72	105	107	112	104	**111**
ABS	US 3141494296	**Abs Crimson**		Spectre	Rubicon	55	**+311**	*n*	64	+1386	+0.31	+0.04	+0.00	+91	+52	+63	**+423**	*n*	-11	40	+799	105	105	105	104	104	101		65	102	105	105	102	**105**
Mas	DE 1405290977	**Topmodel**		Altatopshot	Silver	65	**+311**	*-15*	71	+1119	+0.38	+0.16	+0.07	+85	+55	+58	**+421**	*-24*	-94	53	+661	105	104	104	101	105	98	104	71	106	107	111	107	**112**
CRV	US 3147840004	**Peak Parson**		Imax	Jedi	64	**+311**	*-10*	70	+2148	-0.18	-0.16	+0.06	+72	+57	+104	**+416**	*-13*	-25	52	+695	104	104	109	105	104	100	104	70	99	104	109	102	**106**
Sem	CA 12949010	**Progenesis Maestro**		Imax	Duke	54	**+311**	*+4*	62	+1709	+0.04	-0.05	-0.01	+77	+54	+77	**+406**	*+35*	-36	39	+904	105	104	107	102	103	103		63	104	106	111	101	**108**
Kam	NL 935364071	**Kik Divine**		Supershot	Altaiota	65	**+311**	*+6*	72	+1392	+0.07	+0.08	+0.03	+66	+57	+67	**+392**	*+34*	-8	59	+644	104	107	105	104	102	104	104	72	102	105	104	104	**106**
Kam	NL 879035453	**Weinterper Solution**		Finder	Guard	64	**+311**	*+14*	71	+1259	+0.18	+0.10	+0.02	+72	+54	+59	**+390**	*+8*	-20	58	+541	108	104	104	99	100	96	103	72	101	105	107	107	**108**
GGI	LU 399442870	**Sirio**		Silver	Altaoak	67	**+311**	*+1*	72	+1329	+0.27	-0.03	+0.08	+84	+43	+69	**+373**	*+3*	+25	60	+655	104	104	105	100	106	103	104	72	94	102	114	104	**108**
Adv	DE 0122528740	**Sandy Gh Bonbon**		Board	Balisto	66	**+311**	*-7*	71	+1569	-0.29	+0.07	+0.08	+37	+62	+80	**+356**	*+5*	-76	57	+828	109	104	106	103	104	94	102	72	105	106	112	104	**111**
CRV	NL 944581881	**Delta Bouncer**		Brentano	Jasper	66	**+311**	*-12*	71	+710	+0.28	+0.24	+0.03	+57	+48	+35	**+327**	*-8*	+9	58	+642	109	107	102	106	103	98	101	72	102	104	113	103	**110**
ABS	US 3128977835	**Mr Seagull-Bay Maldeves Et**		Altaspring	De-Su Rb Moonr	60	**+310**	*+13*	69	+1568	+0.20	+0.02	-0.01	+87	+57	+71	**+438**	*+14*	-25	48	+632	102	107	109	100	101	100		70	102	106	107	102	**106**
CRV	NL 629528835	**Delta Assist**		Concert	Commander	66	**+310**	*-41*	71	+1555	+0.04	+0.08	+0.06	+70	+62	+77	**+424**	*-34*	+4	56	+459	105	106	105	104	103	98	102	72	100	104	111	102	**107**

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NVI wordt berekend als INET officieel is, ontbrekende fokwaarden gaan niet mee in NVI

Inet = 0,3*kg lactose + 2,1*kg vet + 4,1*kg eiwit

NVImelkdoel = 0,4*Inet +0,08*lvd +4,7*UGH +6,3*VRU +1,8*Uier +3,6*Beenwerk +1,8*GEB +2,7*KGH + 0,23*BVK
NVIdubbeldoel = 0,35*Inet +0,09*lvd +5,2*UGH +5,2*VRU +5,2*Uier +6*Beenwerk +2*GEB + 5,2* VLi

Perspublicatie stierindexen Zwartbont genomisch zonder dochters

December 2019

Ki Ai	Stiernummer Bull number	Stiernaam Bull name	Erf-fa Her-fa	Vader Sire	M-vader MGS	Bt Rel	NVI NVI	+/- +/-	Bt Rel	kgM kgM	%V %F	%E %P	%L %L	kgV kgF	kgE kgP	KgL KgL	INET INET	+/- +/-	BVK SFCM	Bt Rel	Lvd Lon	Ugh Udh	Vru Fer	Gin Cal	Geb DCE	KA Tem	MS MS	Kgh CLW	Bt Rel	F F	T DS	U U	B F&L	Ext T
Melkdoel Zwart							pnt			**Productie**							€		€					**Functioneel**						**Exterieur**				
CRV	US 3134106782	**Matcrest Zeppelin**		Ferdinand	Spruce-Haven St	62	**+310**	*+16*	71	+2130	-0.29	-0.08	+0.07	+59	+65	+105	**+422**	*+9*	+12	54	+690	103	104	106	99	104	109	103	71	99	103	112	101	**107**
ABS	US 3137878481	**Bomaz Skywalker**		Jedi	Cabriolet	63	**+310**	*+12*	71	+1286	+0.13	+0.17	-0.01	+68	+62	+58	**+414**	*+26*	+14	51	+632	105	105	108	106	106	104		73	98	103	114	99	**107**
WWS	CA 40000062	**Vogue Limelight-P**		Altaspice	Supershot	53	**+310**	*-11*	61	+1264	+0.23	+0.12	-0.01	+77	+56	+57	**+408**	*-7*	+7	40	+690	106	103	105	101	106	103		62	99	103	113	103	**109**
CRV	US 3143160100	**Peak Amplus**		Fustead Tango L	Monterey	65	**+310**	*-16*	71	+2004	-0.07	-0.18	-0.02	+78	+51	+89	**+400**	*+8*	+21	53	+584	104	108	112	106	103	101	101	71	96	100	107	98	**101**
CRV	NL 677064558	**Delta Jury**		Jorben	Crescendo	66	**+310**	*+10*	71	+2074	-0.39	-0.08	+0.03	+46	+64	+98	**+388**	*+29*	-39	57	+528	107	105	110	106	100	97	103	72	102	104	107	105	**108**
ABS	CA 110807391	**Dexpro Mojo**		Medley	Jedi	53	**+310**	*-6*	61	+1583	-0.06	+0.01	+0.00	+61	+56	+72	**+379**	*+2*	-40	38	+807	106	107	107	102		99		62	101	106	110	100	**107**
CRV	US 3133191111	**Mikenny Enhance**		Flagship	Montross	62	**+310**	*+2*	71	+1224	+0.16	+0.07	+0.05	+68	+50	+61	**+366**	*-9*	-5	55	+854	106	105	105	103	107	101	103	71	101	104	111	100	**107**
Alt	CA 12948981	**Peak Altatrustee**		Guarantee	Jedi	53	**+310**	*+6*	61	+1605	-0.16	-0.03	+0.00	+52	+53	+73	**+348**	*+13*	-18	39	+679	110	108	106	101		98		62	98	103	109	99	**104**
Alt	US 143796927	**Schoene-Kuh Altarobert**		Altarobson	Josuper	54	**+310**	*+24*	63	+851	+0.40	+0.11	-0.01	+75	+40	+38	**+333**	*+51*	-11	39	+719	104	110	107			104		65	100	104	109	103	**107**
Alt	US 3145229768	**Peak Altastafford**		Dg Charley	Altaspring	57	**+309**	*-15*	65	+1702	+0.04	+0.01	-0.01	+77	+60	+77	**+431**	*+13*	-17	44	+734	104	104	110		106	104		67	104	104	105	103	**106**
CRV	NL 655683425	**Bouw Ebonit**		Regard	Boss	67	**+309**	*-11*	72	+1532	+0.10	-0.02	+0.06	+75	+51	+76	**+389**	*-9*	-29	59	+574	107	104	107	99	99	103	104	72	98	105	108	105	**107**
ABS	NL 715952043	**Schreur Shimmer**	RF	Salvatore Rc	Rubicon	55	**+309**	*+2*	63	+1989	-0.19	-0.16	-0.01	+64	+52	+90	**+375**	*-9*	-14	40	+753	106	104	107	104	103	101		65	97	104	112	104	**108**
CRV	NL 749582704	**Kna August**	RF	Janko	Rocky	64	**+309**	*n*	70	+1082	+0.19	+0.15	-0.03	+65	+53	+46	**+368**	*n*	-38	54	+634	107	106	104	102	101	96	103	70	100	104	109	105	**108**
ABS	US 3145288734	**Ri-Val-Re Radical**		Achiever	Rubicon	54	**+309**	*+17*	62	+1156	+0.44	-0.03	-0.01	+93	+37	+52	**+363**	*+26*	-16	39	+746	104	105	108	102		103		63	101	106	112	106	**111**
CRV	NL 843890655	**Delta Lendor**		Vh Stu	Bube	66	**+309**	*-53*	71	+860	+0.23	+0.21	+0.01	+59	+50	+40	**+341**	*-72*	-57	56	+747	108	103	104	98	102	97	105	72	106	104	111	108	**112**
CRV	NL 622692380	**Fg K&l Delight**		Cinema	G-Force	66	**+309**	*-20*	71	+1490	-0.03	-0.10	+0.11	+60	+42	+79	**+322**	*-24*	-1	55	+577	104	107	106	104	101	99	105	72	101	104	112	107	**111**
Kam	NL 714461889	**Apina Skyhigh**		Accord	Abel	60	**+309**	*-24*	69	+1102	+0.03	+0.10	+0.00	+50	+48	+50	**+317**	*+17*	-54	53	+661	107	107	102	105	100	99	104	70	101	105	112	108	**112**
ABS	US 3133886819	**No-Fla Luxury**		Altaspring	Supersire	64	**+308**	*+13*	73	+2601	-0.24	-0.23	-0.01	+83	+65	+118	**+476**	*+18*	+6	53	+647	104	103	103		103	101		74	102	104	108	102	**107**
CRV	NL 661726440	**Double W Rodeo**		Regard	Snowfever Cd	67	**+308**	*-19*	72	+1533	+0.16	+0.02	+0.03	+82	+56	+73	**+424**	*-19*	-8	59	+562	105	102	106	105	101	99	104	72	102	106	111	105	**110**
Mas	US 3139851175	**Supermax**		Superfly	Kingboy	65	**+308**	*+11*	71	+1814	-0.10	-0.11	+0.01	+67	+52	+84	**+379**	*+31*	-35	53	+687	107	106	110	110	99	100	103	71	106	108	111	98	**108**
CRV	NL 585572464	**Delta Andros**		Jafin	Jorben	63	**+308**	*-4*	69	+929	+0.41	+0.10	+0.05	+79	+42	+47	**+352**	*+14*	-83	53	+707	111	104	105	104	103	99	103	70	104	106	106	107	**109**
K&L	DK 03800005715	**Vh Hoejgaard Reflector Rozw**		Reflector	Osmus	67	**+308**	*-7*	71	+1197	-0.08	+0.01	+0.04	+43	+43	+59	**+284**	*+36*	+48	57	+836	107	104	106	102	104	113	103	76	97	100	114	104	**109**
GGI	NL 714486596	**Peeldijker Freezer**		Finder	Silver	67	**+308**	*+2*	71	+1222	-0.06	-0.04	+0.13	+46	+39	+69	**+277**	*+3*	-23	58	+756	107	106	108	101	102	104	103	72	106	106	115	106	**114**
Alt	US 3147839890	**Peak Altaindigo**		Imax	Draco	54	**+307**	*+17*	62	+1810	+0.01	-0.02	-0.01	+78	+61	+82	**+439**	*+36*	-29	41	+768	103	104	107	103		102		64	103	106	112	101	**109**
STG	US 3132353072	**Mr Dynasty Nashville**		Dynasty	De-Su Nominee	55	**+307**	*+13*	63	+1748	-0.02	-0.02	-0.01	+72	+59	+79	**+417**	*+25*	+4	42	+789	103	105	104	98	105	102		65	96	104	107	103	**105**
CRV	NL 664478948	**Zandenburg Fury**		Balu	Danno	68	**+307**	*-6*	72	+1151	-0.01	+0.21	-0.03	+48	+61	+50	**+366**	*-27*	-25	59	+660	108	104	105	108	100	96	102	72	98	105	110	105	**108**
Dek	FR 6114353802	**Musteer**		Altasuperstar	Defender	66	**+307**	*+4*	71	+1749	-0.18	-0.08	+0.06	+55	+53	+86	**+359**	*+24*	-24	57	+668	107	101	107	100	104	100	103	72	104	106	119	106	**115**
Mas	DE 0122048950	**Flicflac**		Flattop	Balisto	66	**+307**	*+7*	71	+1098	+0.31	+0.05	+0.09	+77	+43	+59	**+356**	*+31*	-11	57	+733	109	103	107	103	103	94	103	72	102	104	109	103	**108**
Tot	NL 623185254	**Primeval 8525**		Dg Charley	Woodcrest Mogu	55	**+306**	*-13*	62	+2191	-0.13	-0.10	-0.01	+79	+65	+99	**+462**	*-12*	+1	43	+675	103	103	108	104	106	98		66	100	102	105	103	**105**
	NL 649286946	**Dg R-Dek Elias**		Eugenio	Montross	65	**+306**	*+2*	71	+1709	+0.06	+0.03	+0.03	+79	+63	+81	**+449**	*+10*	+14	53	+630	104	102	107	102	106	104	102	71	100	104	111	101	**107**
Kam	NL 929276638	**Creijland Danny**	RF	Danno	Jerudo	65	**+306**	*-1*	72	+1612	-0.19	-0.04	+0.02	+49	+52	+76	**+339**	*+11*	-19	61	+589	110	105	104	102	104	98	103	72	96	99	103	108	**104**
BGA	DE 0359736505	**Alh Desu Kenia**		Kerrigan	Montross	65	**+306**	*+3*	71	+1603	-0.16	-0.11	+0.09	+52	+44	+82	**+314**	*+24*	+33	55	+801	105	104	110	96	103	103	103	72	100	102	113	103	**109**
CRV	NL 586809457	**Delta Jonk Rf**	RF	Wisent Rf	Bolt Rf	66	**+306**	*-11*	71	+391	+0.04	+0.13	-0.02	+20	+26	+16	**+153**	*-29*	-43	56	+786	109	115	103	100	105	99	105	71	97	104	112	104	**108**
Tot	DE 0358665633	**Cicero**		Cinema	Balisto	66	**+305**	*-6*	71	+3246	-0.33	-0.24	+0.07	+98	+84	+156	**+597**	*-10*	+18	55	+507	103	97	102	101	102	104	103	72	97	100	106	101	**103**
CRV	US 3205027117	**Maplehurst Banner**		Crimson	Blowtorch	50	**+305**	*n*	57	+2406	-0.03	-0.08	-0.01	+99	+75	+109	**+548**	*n*	-72	36	+547	104	102	105	100		101		60	100	102	106	102	**105**
CRV	US 3200824612	**Peak Bullrush**		Positive	Mr Mogul Delta	60	**+305**	*n*	69	+1427	+0.51	+0.07	-0.05	+113	+57	+60	**+489**	*n*	-13	51	+542	105	104	106	99	105	104	99	69	101	102	113	97	**106**
ABS	US 3145288698	**Mr Ri-Val-Re Free Billy**		Achiever	Rubicon	54	**+305**	*n*	63	+1339	+0.46	+0.13	+0.00	+104	+60	+61	**+483**	*n*	-2	39	+618	102	103	106			105		62	100	106	103	105	**105**
	DE 0359686738	**Karibu**		Kerrigan	Tribune	65	**+305**	*-4*	71	+1839	-0.24	-0.10	+0.04	+53	+54	+88	**+359**	*-18*	-5	55	+745	104	103	107	100	105	105	105	71	103	103	116	103	**111**
Tot	NL 756516602	**Vekis Dg Lee**		Altaspring	Meridian	67	**+305**	*+16*	72	+1601	+0.09	-0.13	-0.04	+77	+42	+69	**+355**	*+29*	+51	58	+584	107	105	104	95	101	104	101	72	100	104	117	100	**110**
STG	US 3132353156	**St Gen Dw Galileo**		Butz-Hill Delta	Mr Pre Director	54	**+305**	*+6*	62	+1084	+0.23	+0.02	+0.00	+69	+40	+49	**+324**	*+5*	+2	39	+848	105	105	110	102		106		63	101	104	109	105	**108**
Adv	NL 677841805	**Delores Alh Chucky**		Chuck	Racer	63	**+305**	*-28*	71	+930	+0.15	+0.05	+0.05	+54	+37	+47	**+279**	*-20*	-40	56	+668	108	105	108	105	103	96	103	72	104	106	116	108	**115**
CRV	US 3140986357	**Peak Langley**		Hotline	Mr Mogul Delta	65	**+304**	*-16*	71	+1860	+0.27	+0.05	-0.04	+108	+70	+81	**+538**	*-9*	-32	52	+494	102	102	107	102	102	104	101	71	104	106	109	101	**107**
CRV	NL 659618414	**Delta Inductor**		Biathlon	Massey	66	**+304**	*+11*	71	+1667	+0.01	-0.04	+0.03	+72	+54	+79	**+396**	*+21*	-20	57	+745	107	104	95	106	104	97	102	75	105	106	112	104	**111**
Mas	US 3130915920	**Ballman**		Bandares	Supershot	65	**+304**	*-25*	71	+1004	+0.35	+0.18	+0.03	+77	+53	+49	**+394**	*-27*	+39	55	+622	103	106	109	100	106	106	102	72	102	105	108	100	**106**
Tot	NL 639869605	**Riethil Alamo**		Altaspring	Fanatic	67	**+304**	*-13*	72	+1835	-0.18	-0.05	+0.04	+59	+59	+88	**+392**	*-17*	+26	59	+634	104	103	105	103	100	103	103	72	96	103	110	105	**107**
Mas	DE 0122212334	**Barkeeper**		Battlecry	Galaxy	68	**+304**	*-5*	71	+736	+0.51	+0.18	-0.03	+80	+43	+31	**+354**	*-9*	-8	58	+612	107	104	103	99	105	98	103	72	98	102	110	107	**109**
CRV	US 3149335089	**Peak Morant**		Altamontoya	Modesty	63	**+303**	*-13*	69	+1469	+0.35	+0.18	-0.02	+98	+70	+65	**+512**	*-11*	+23	51	+556	102	102	105	98	106	107	101	69	98	105	112	98	**105**
Alt	US 3138498826	**Peak Altagilmore**		Altatopshot	Woodcrest Mogu	55	**+303**	*+2*	64	+1831	+0.11	+0.04	+0.00	+90	+68	+83	**+493**	*+13*	-1	39	+571	104	104	107			103		63	98	104	102	100	**101**
CRV	US 3200824753	**Peak Matos**		Altaliaison	Denver	59	**+303**	*n*	69	+1946	+0.03	-0.06	+0.08	+86	+61	+97	**+460**	*n*	+17	51	+680	104	103	103	101	103	107	100	69	99	101	110	100	**105**
CRV	US 3130641863	**Peak Beckham Cd**	CD	Silver	Bookem	65	**+303**	*-18*	72	+1483	+0.17	+0.04	+0.05	+81	+56	+73	**+422**	*-2*	-42	60	+547	105	105	105	102	104	106	102	72	103	105	111	103	**109**
Sem	CA 12857528	**Silverridge V Einstein**		Topnotch	Duke	54	**+303**	*-3*	62	+1660	+0.05	+0.00	-0.01	+76	+58	+75	**+420**	*+11*	-37	39	+776	107	106	103	102		99		63	102	108	111	96	**106**
Exc	DE 0359619234	**Acajou Ch Kendo**		Kerrigan	Racer	65	**+303**	*-9*	71	+1691	-0.08	+0.04	+0.04	+64	+63	+81	**+417**	*-6*	-28	56	+671	106	102	107	97	105	104	103	72	105	105	113	101	**110**
Alt	US 3145230065	**Peak Altaderrick**		Altaflywheel	Silver	56	**+303**	*+12*	64	+1188	+0.25	+0.09	+0.00	+75	+50	+54	**+379**	*+24*	-5	43	+728	103	105	108	102	106	106		65	100	104	111	104	**109**
Sem	US 3140616169	**Sandy-Valley Challenger**		Superhero	Silver	55	**+303**	*+2*	63	+1181	+0.29	+0.00	-0.01	+79	+41	+53	**+350**	*-15*	-3	43	+786	106	107	105		104	104		65	98	105	115	98	**107**
BGA	DE 0122523969	**Nemo G Santi**		Salvatore Rc	Silver	65	**+302**	*+2*	71	+2332	-0.17	-0.08	+0.00	+80	+72	+106	**+495**	*+14*	-30	53	+617	105	101	108	105	102	101	103	71	102	105	107	99	**105**
Kam	NL 675542627	**Westenrade Pickup**		Louxor	Rubicon	61	**+302**	*+3*	70	+1276	+0.25	+0.07	+0.04	+79	+52	+62	**+398**	*-13*	+2	52	+539	104	105	107	100	106	100	102	71	101	103	113	102	**109**
ABS	UK 706042504332	**Denovo Quartz**		Spectre	Supershot	54	**+302**	*+11*	62	+1770	+0.03	-0.11	-0.01	+79	+50	+80	**+395**	*+8*	-2	40	+786	105	103	105	98		99		63	101	104	107	105	**107**
Alt	US 3142181491	**Peak Altaexplosion**		Altarobson	Montross	54	**+302**	*+21*	62	+1038	+0.41	+0.09	+0.00	+84	+45	+47	**+375**	*+52*	-4	39	+760	104	106	106			102		63	101	104	110	102	**107**
ABS	US 3140503758	**N-Springhope Honda**		Fustead Tango L	Montross	61	**+302**	*+28*	69	+1657	-0.22	-0.09	-0.01	+48	+48	+75	**+320**	*+6*	+14	48	+659	107	107	108		106	100		71	99	101	115	100	**108**
Sem	CA 12638320	**Westcoast Saluki**		Apprentice	Mr Mogul Delta	54	**+301**	*+7*	62	+2431	-0.31	-0.25	-0.01	+69	+57	+110	**+412**	*-12*	-17	40	+749	107	103	105		102	100		66	103	104	111	100	**107**
ABS	US 3141494450	**Abs Niko**		Achiever	Josuper	54	**+301**	*+14*	62	+1496	+0.26	-0.05	+0.00	+90	+47	+68	**+402**	*+32*	-30	39	+662	105	106	111	103		104		62	101	105	109	99	**105**

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NVI wordt berekend als INET officieel is, ontbrekende fokwaarden gaan niet mee in NVI

Inet = 0,3*kg lactose + 2,1*kg vet + 4,1*kg eiwit

NVImelkdoel = 0,4*Inet +0,08*lvd +4,7*UGH +6,3*VRU +1,8*Uier +3,6*Beenwerk +1,8*GEB +2,7*KGH + 0,23*BVK
NVIdubbeldoel = 0,35*Inet +0,09*lvd +5,2*UGH +5,2*VRU +5,2*Uier +6*Beenwerk +2*GEB + 5,2* VLi

Perspublicatie stierindexen Zwartbont genomisch zonder dochters

December 2019

Ki Ai	Stiernummer Bull number	Stiernaam Bull name	Erf-fa Her-fa	Vader Sire	M-vader MGS	Bt Rel	NVI NVI	+/- +/-	Bt Rel	kgM kgM	%V %F	%E %P	%L %L	kgV kgF	kgE kgP	KgL KgL	INET INET	+/- +/-	BVK SFCM	Bt Rel	Lvd Lon	Ugh Udh	Vru Fer	Gin Cal	Geb DCE	KA Temp	MS MS	Kgh CLW	Bt Rel	F F	T DS	U U	B F&L	Ext T
Melkdoel Zwart							pnt			**Productie**							**€**		**€**				**Functioneel**						**Exterieur**				
	DE 0770329056	**Review**		Regard	Balisto	67	**+301**	*+7*	72	+1436	+0.08	+0.01	-0.03	+69	+51	+62	**+373**	*+27*	+23	59	+613	108	101	107	101	102	106	103	72	100	102	112	103	**108**
CRV	NL 941050441	**Delta Beatbox**		Amigo	Fanatic	67	**+301**	*+0*	72	+1122	+0.12	+0.11	-0.03	+60	+50	+48	**+345**	*+10*	+47	58	+462	107	104	106	103	99	102	105	72	102	104	108	105	**108**
Kam	NL 936200505	**Vandenberg Sneaker**		Chuck	Borussia	63	**+301**	*-21*	71	+702	+0.22	+0.17	+0.04	+51	+41	+36	**+286**	*-36*	+33	56	+770	107	105	108	105	106	98	105	72	101	105	108	103	**107**
Dek	CA 12380002	**Progenesis Flame Hotshot 18**		Hotshot	Halogen	66	**+301**	*+0*	71	+747	+0.31	+0.04	+0.00	+61	+30	+34	**+261**	*+12*	+11	54	+644	109	108	102	100	104	100	103	71	97	102	109	106	**107**
Mas	US 3143553039	**Superday**		Superhero	Rubicon	65	**+300**	*+20*	71	+2231	-0.14	+0.03	+0.08	+79	+81	+111	**+531**	*+5*	-5	55	+480	102	102	102	99	101	96	100	71	101	105	110	102	**107**
Alt	CA 12948857	**Peak Altaklaebo**		Guarantee	Jedi	54	**+300**	*+17*	63	+1614	+0.03	+0.06	-0.01	+72	+62	+73	**+427**	*+24*	-20	40	+565	107	106	111	106		105		65	100	104	109	95	**103**
ABS	US 3141494563	**Denovo 7977 Boxcar**		Growl	Mr Mogul Delta	53	**+300**	*-6*	62	+1482	+0.03	+0.08	-0.01	+66	+60	+67	**+405**	*-2*	-22	39	+687	104	105	106			109		63	102	105	113	101	**109**
Alt	US 3147839960	**Peak Altaroady**		Altarobson	Supersire	52	**+300**	*+18*	59	+1331	+0.26	+0.05	-0.01	+83	+51	+60	**+401**	*+47*	-18	40	+737	103	106	109	104	107	105		62	104	105	109	100	**107**
CRV	BE 720581625	**Delta Japan Rf**	RF	Brentano	Malcolm Rf	67	**+300**	*+12*	72	+1402	-0.01	+0.11	+0.05	+59	+60	+69	**+391**	*+19*	+4	58	+578	108	101	104	103	104	106	104	72	101	104	109	105	**108**
CRV	US 3139851859	**Peak Shero**	BL	Superhero	Ransom	65	**+300**	*-32*	71	+1414	+0.02	+0.08	-0.01	+62	+57	+63	**+383**	*-36*	-35	55	+789	105	106	108	105	106	103	104	71	107	107	101	101	**104**
WWS	US 3143721706	**S-S-I Trump Barron**		Pride Spark Tru	Penley	54	**+300**	*+11*	62	+1946	-0.18	-0.19	-0.01	+63	+47	+88	**+351**	*+14*	+52	40	+902	107	105	106	102		96		64	93	100	106	97	**99**
Kam	NL 733557981	**Holbra Adori**		Adorable	Balisto	63	**+300**	*+10*	69	+1153	+0.02	+0.12	+0.04	+51	+52	+57	**+337**	*-19*	-42	54	+757	106	104	103	102	101	98	104	70	99	105	113	106	**111**
ABS	UK 706042404338	**Denovo Arrowhead**		Medley	Mr Mogul Delta	53	**+300**	*+7*	61	+1367	+0.01	-0.01	+0.00	+59	+47	+62	**+335**	*+6*	-5	38	+811	106	104	110	102		102		62	103	103	109	104	**108**
Sem	CA 12371147	**Westcoast Guarantee**		Boastful	Tango	60	**+300**	*+19*	69	+1257	+0.02	+0.03	+0.00	+56	+47	+57	**+327**	*+31*	-5	46	+698	112	107	106	101	105	99		70	99	104	106	98	**102**
CRV	NL 721645445	**Delta Accord**		Bravo	Atlantic	68	**+300**	*+3*	72	+631	+0.35	+0.23	-0.03	+60	+44	+26	**+314**	*+3*	-31	59	+672	107	104	105	107	103	101	105	81	101	104	106	110	**109**
CRV	NL 678889806	**Delta Elagaaster Jenever**		Crescendo	Sudan	66	**+300**	*+12*	72	+1559	-0.10	-0.11	-0.06	+56	+43	+65	**+313**	*+10*	+54	60	+554	103	107	105	105	101	104	106	80	94	98	107	106	**105**
Alt	US 3131664037	**Peak Altadepot**		Hotshot	Montross	55	**+300**	*+8*	63	+926	+0.09	-0.10	+0.00	+48	+23	+42	**+208**	*+10*	-14	42	+944	112	110	108	102	101	97		65	99	104	108	99	**104**
CRV	US 3140616174	**Sandy-Valley Champion**		Superhero	Silver	65	**+299**	*+12*	71	+1625	+0.30	-0.02	-0.04	+100	+55	+70	**+457**	*+23*	-25	55	+565	106	105	105	100	103	101	101	71	99	107	111	96	**104**
Gex	NL 648499062	**Peak Whistle**		Frazzled	Jedi	53	**+299**	*n*	60	+2412	-0.33	-0.16	+0.00	+66	+66	+110	**+442**	*n*	-39	39	+751	106	104	105	99		102		64	98	105	109	98	**104**
BGA	DE 0360817317	**Gouverneur G Gigolo**		Gymnast	Missouri	63	**+299**	*-1*	69	+1340	+0.20	+0.14	-0.01	+77	+61	+60	**+430**	*+12*	+14	52	+589	105	103	103	102	102	99	102	70	103	105	109	102	**107**
GGI	US 3014562366	**Braveness**		Bandares	Balisto	66	**+299**	*-23*	71	+1558	-0.20	+0.08	+0.05	+46	+63	+76	**+378**	*-9*	-46	55	+781	105	105	102	97	104	101	101	72	101	106	111	104	**109**
Gex	US 3138817809	**Welcome Plexus**		Frazzled	Draco	55	**+298**	*+10*	63	+1799	-0.01	+0.01	+0.00	+75	+64	+82	**+445**	*+14*	-29	40	+726	108	102	104			100		65	104	106	110	98	**106**
STG	US 3132353041	**St Gen Dynasty Slater**		Dynasty	Silver	54	**+298**	*+18*	62	+1502	+0.28	+0.02	+0.00	+93	+54	+68	**+437**	*+18*	-30	41	+615	104	103	104	96	104	101		64	101	105	108	106	**108**
Alt	US 3147840201	**Peak Altahoisin**	BL	Curry	Rubicon	53	**+298**	*+9*	60	+1416	+0.28	+0.05	-0.01	+89	+54	+64	**+428**	*+22*	-42	40	+699	104	107	108	106	105	103		64	103	106	106	98	**104**
STG	US 3132198333	**Mr Rubicon Dynamo**		Rubicon	Roylane Socra R	67	**+298**	*+5*	75	+2136	-0.16	-0.15	+0.00	+73	+58	+97	**+420**	*+19*	+1	56	+690	106	101	107	102	104	99		76	101	106	109	103	**108**
Tot	NL 872395800	**Balou**		Baltikum	Epochal	67	**+298**	*+6*	72	+1663	+0.04	-0.01	+0.04	+75	+57	+80	**+415**	*+21*	-32	58	+693	107	102	100	102	104	99	103	72	101	103	113	102	**109**
STG	US 3132352999	**St Gen R Agro Esquire**		Rubi Agronaut	Powerball P	54	**+298**	*+2*	62	+1567	-0.04	+0.07	+0.00	+63	+62	+71	**+408**	*+22*	-49	40	+692	106	104	106		103	97		63	104	105	109	103	**108**
Tot	DE 0358284007	**Sanxurxo**		Supershot	Shaw	67	**+298**	*-7*	72	+2465	-0.46	-0.20	+0.06	+53	+63	+119	**+405**	*-10*	-74	59	+748	104	106	104	101	104	100	105	72	104	107	109	100	**107**
Sem	CA 12857898	**Progenisis Wimbledon**		Altarobson	Denver	53	**+298**	*+21*	61	+478	+0.84	+0.27	-0.01	+98	+42	+21	**+384**	*+30*	-22	39	+709	106	106	105	99		100		62	101	105	108	101	**106**
CRV	NL 618713437	**Primeval Update-Et**		Blowtorch	Mr Mogul Delta	54	**+298**	*+9*	62	+1564	-0.09	-0.18	+0.00	+57	+36	+71	**+289**	*+20*	-2	40	+742	106	106	105	99	105	106		64	95	105	115	106	**110**
GGI	DE 0770601887	**Rafting**		Fairmont Stoic	Silver	65	**+297**	*-1*	71	+1917	+0.11	+0.03	+0.01	+93	+70	+89	**+509**	*+0*	-40	53	+453	102	102	102	101	102	100	101	71	102	107	115	103	**111**
ABS	US 3134408139	**De-Su 13530 Seville**		Supershot	Montross	65	**+297**	*+5*	73	+1607	-0.10	-0.02	+0.00	+58	+54	+73	**+365**	*+9*	-13	53	+674	105	107	109	104	107	100		74	98	104	109	100	**105**
	DE 0539689841	**Fighter**		Finder	Racer	66	**+297**	*-23*	71	+1442	-0.03	+0.04	+0.03	+58	+54	+69	**+364**	*-26*	+1	58	+508	105	105	112	104	101	104	102	72	101	104	110	103	**108**
OBS	DE 0360175030	**First**		Finder	Lexington	66	**+297**	*-24*	71	+1495	-0.10	-0.01	+0.11	+53	+51	+79	**+344**	*-17*	+45	58	+636	106	106	106	109	102	102	102	72	99	101	111	99	**105**
CRV	DK 02371402785	**Tirsvad Gogo**		Supershot	Massey	69	**+297**	*+13*	72	+1562	-0.29	-0.05	-0.03	+37	+49	+68	**+299**	*-13*	+40	60	+711	106	106	108	103	103	94	102	81	96	104	108	103	**105**
STG	US 3132353459	**St Gen Noble Poncho**		Noble	Profit	60	**+297**	*+23*	67	+1270	-0.01	-0.12	-0.01	+53	+32	+57	**+260**	*-14*	-14	46	+850	109	107	108		101	102		68	100	104	115	100	**109**
Alt	US 3138498741	**Peak Arsenal**		Bush-Bros Deify	Halogen	54	**+297**	*+10*	63	+445	+0.15	+0.04	+0.00	+33	+19	+20	**+153**	*+21*	+2	40	+904	111	110	110	107	103	101		63	96	103	111	103	**107**
LIV	US 3138922712	**Leaninghouse Helix Luxor**		Helix	Kingboy	55	**+296**	*+35*	63	+2517	-0.04	-0.17	-0.01	+103	+68	+114	**+529**	*+36*	-51	40	+529	102	103	108	100	103	98		67	101	104	104	101	**104**
Sem	DE 0539843407	**Wilder Mark**	RF	Apprentice	Supershot	54	**+296**	*-1*	61	+2144	-0.21	-0.20	-0.01	+68	+53	+97	**+389**	*-2*	-58	41	+736	102	107	105	106	104	100		65	103	104	112	103	**109**
	DE 0770555951	**Chakaponk**		Chassy	Commander	65	**+296**	*-6*	71	+1515	-0.07	-0.08	+0.08	+57	+45	+77	**+327**	*+15*	+39	54	+709	108	103	108	103	104	97	104	71	100	102	112	99	**106**
STG	US 3132351503	**St Gen 1st Grade Colby**		1st Grade	Capital Gain	60	**+296**	*+1*	67	+1650	-0.08	-0.23	+0.00	+62	+34	+75	**+292**	*+18*	-38	47	+791	109	105	104	99	107	102		69	98	100	118	103	**111**
Toe	NL 673916231	**Wi-Li-Jo Bt George**		Blowtorch	Powerball P	62	**+295**	*-14*	71	+1353	+0.43	+0.11	-0.05	+101	+58	+57	**+467**	*+15*	-28	53	+547	103	103	106	103	104	99	102	71	98	103	110	101	**106**
STG	US 3138483358	**Siemers Charley Merryguy**		Dg Charley	Montross	63	**+295**	*-15*	71	+2308	-0.21	-0.17	+0.00	+75	+62	+105	**+443**	*-9*	+3	51	+683	106	102	107		108	102		72	99	102	109	98	**104**
Dek	DE 0358852299	**Mirko**		Burano	Brekem	65	**+295**	*-21*	71	+1640	-0.07	+0.08	+0.03	+63	+66	+78	**+426**	*-7*	-27	55	+755	104	102	101	100	105	102	103	71	104	103	114	101	**110**
WWS	US 3145055197	**S-S-I Bg Frazzled Speedy**		Frazzled	Marty	55	**+295**	*n*	64	+2277	-0.25	-0.19	-0.01	+69	+58	+103	**+414**	*n*	-31	39	+768	110	103	107			99		64	101	105	108	95	**103**
Sem	US 3128055765	**Matcrest Capemay**		Octoberfest	Supersire	62	**+295**	*+1*	70	+1409	-0.07	-0.04	+0.00	+53	+45	+64	**+315**	*+15*	-14	51	+841	109	106	110	98	101	97		71	101	104	108	98	**104**
CRV	NL 751089743	**Koepon Clover**		Icone	Shotglass	64	**+295**	*+25*	71	+1345	-0.09	-0.02	+0.08	+48	+45	+69	**+306**	*+34*	+28	58	+732	107	103	106	104	104	105	104	72	100	105	111	104	**109**
CRV	US 3132381988	**Crv-Delta Success**		Altagenuity	Jerod	64	**+295**	*-18*	71	+1076	-0.10	+0.13	+0.07	+36	+50	+56	**+297**	*-32*	+26	57	+702	105	104	106	104	104	100	105	71	97	100	115	104	**109**
ABS	UK 727942700387	**Wiltor Bestman**		De-Su 12128 Tai	Supersire	55	**+295**	*+3*	63	+1231	-0.01	-0.08	+0.00	+51	+35	+56	**+267**	*+5*	-17	42	+987	110	105	103	100		100		64	100	105	110	103	**108**
GGI	DE 1501387474	**Semino**		Silver	Balisto	68	**+294**	*+12*	72	+1668	+0.16	+0.08	+0.02	+88	+67	+78	**+483**	*+33*	-61	60	+674	104	101	104	101	103	108	102	72	98	105	115	99	**108**
Mas	NL 571956755	**Monroy**		Monterey	Supersire	67	**+294**	*+12*	72	+1976	-0.02	-0.06	-0.02	+82	+62	+88	**+453**	*-5*	-21	58	+678	104	103	108	102	106	104	101	72	102	105	107	99	**105**
GGI	DE 0358939854	**Bumper**	RF	Bolaro	Aikman	66	**+294**	*-4*	71	+1707	+0.08	-0.01	+0.00	+81	+58	+78	**+431**	*-1*	-23	56	+494	102	106	103	104	100	103	105	71	101	104	106	103	**106**
Alt	US 3142181099	**Peak Altalawson**		Altarobson	Mr Mogul Delta	55	**+294**	*+40*	64	+623	+0.70	+0.26	+0.00	+92	+46	+28	**+390**	*+39*	-22	39	+636	101	107	109	102		107		65	104	104	111	102	**109**
Sem	CA 12754648	**Westcoast Aura**		Imax	Afterburner	54	**+294**	*+15*	62	+1657	-0.07	-0.01	-0.01	+63	+57	+75	**+389**	*+18*	-32	40	+810	103	104	107	101	102	103		63	103	104	114	101	**109**
Tot	NL 882387482	**Dg Oh Doble**		Salvatore Rc	Rubicon	60	**+294**	*-12*	67	+1788	-0.05	-0.13	-0.01	+71	+49	+81	**+374**	*-3*	-30	48	+745	105	104	106	101	103	98		70	100	106	114	102	**109**
GGI	DE 0770111419	**Batur**		Basement	Tribune	65	**+294**	*-6*	71	+1405	-0.13	-0.03	-0.07	+47	+46	+57	**+304**	*+21*	-7	53	+747	105	106	107	109	101	96	105	71	99	103	107	104	**106**
GGI	DE 0122629464	**Starello**	RF	Styx	Galaxy	64	**+294**	*-4*	69	+1502	-0.18	-0.11	-0.06	+45	+41	+62	**+281**	*-31*	-41	52	+518	105	108	106	106	101	100	104	69	101	104	114	108	**113**
STG	US 3139851164	**Kings-Ransom Score**		Bandares	Supershot	62	**+294**	*+6*	70	+405	+0.47	+0.15	-0.01	+60	+28	+18	**+246**	*-3*	-31	49	+982	108	106	105		104	105		72	104	106	116	103	**112**
ABS	US 3135245758	**Abs Mansur**		Afterburner	Josuper	57	**+293**	*+3*	65	+1632	+0.05	+0.04	+0.00	+75	+61	+74	**+430**	*+7*	-58	44	+656	108	105	106		104	94		67	104	104	105	98	**103**
Alt	CA 13024756	**Progenesis Altapledge**		Guarantee	Jedi	52	**+293**	*+13*	59	+1566	-0.02	+0.03	+0.00	+65	+58	+71	**+396**	*+5*	-26	39	+628	107	106	107	101		101		62	102	104	110	97	**105**
Kam	NL 684755412	**Kik Vandebeek**		Baltikum	Supersire	64	**+293**	*+21*	72	+1035	+0.38	+0.14	+0.04	+81	+50	+51	**+390**	*+40*	-59	58	+682	109	104	106	102	106	93	102	72	105	105	107	100	**106**

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NVI wordt berekend als INET officieel is, ontbrekende fokwaarden gaan niet mee in NVI

Inet = 0,3*kg lactose + 2,1*kg vet + 4,1*kg eiwit

NVImelkdoel = 0,4*Inet +0,08*lvd +4,7*UGH +6,3*VRU +1,8*Uier +3,6*Beenwerk +1,8*GEB +2,7*KGH + 0,23*BVK

NVIdubbeldoel = 0,35*Inet +0,09*lvd +5,2*UGH +5,2*VRU +5,2*Uier +6*Beenwerk +2*GEB + 5,2* VLi

Perspublicatie stierindexen Zwartbont genomisch zonder dochters

December 2019

Ki Ai	Stiernummer Bull number	Stiernaam Bull name	Erf-fa Her-fa	Vader Sire	M-vader MGS	Bt Rel	NVI NVI	+/- +/-	Bt Rel	kgM kgM	%V %F	%E %P	%L %L	kgV kgF	kgE kgP	KgL KgL	INET INET	+/- +/-	BVK SFCM	Bt Rel	Lvd Lon	Ugh Udh	Vru Fer	Gin Cal	Geb DCE	KA Temp	MS MS	Kgh CLW	Bt Rel	F F	T DS	U U	B F&L	Ext T
Melkdoel Zwart							pnt			**Productie**							**€**		**€**				**Functioneel**						**Exterieur**				
Dek	FR 7261004022	**Eba Largo**		Kingboy	Mogul	67	**+293**	*+13*	72	+1684	+0.02	-0.09	-0.02	+74	+49	+75	**+379**	*+9*	+1	59	+772	107	100	106	99	102	98	104	72	104	103	112	101	**109**
Alt	US 3141559953	**No-Fla Altarondon**		Rowdy	Midnight	56	**+293**	*+8*	65	+1638	-0.04	-0.08	-0.01	+66	+49	+74	**+362**	*+0*	-34	40	+808	107	103	110	104		105		66	99	104	112	100	**107**
Ves	IT 033990413396	**All. Nure Sst Rally**		Supershot	Balisto	61	**+293**	*+5*	69	+1559	-0.12	+0.01	+0.00	+54	+55	+71	**+360**	*+7*	-25	49	+846	106	105	105	104	105	94		72	98	104	106	102	**104**
Sem	CA 12948889	**Progenisis Powerhouse**		Bandares	Jedi	55	**+293**	*-2*	64	+895	+0.07	+0.19	-0.01	+45	+50	+40	**+312**	*-5*	-45	42	+741	108	107	106	100	105	102		66	102	105	115	100	**109**
Gex	US 143781000	**Bgp Delta Force One**		Mr Mogul Delta	Bookem	55	**+293**	*+1*	63	+1214	-0.05	-0.10	+0.00	+47	+32	+55	**+246**	*-3*	-10	44	+930	107	107	109	102	105	102		65	98	104	110	103	**107**
Kam	NL 688317254	**G. N. Almera**	RF	Laurent P Rf	Supersire	63	**+292**	*+34*	71	+2135	-0.25	+0.01	-0.02	+64	+75	+95	**+470**	*+37*	-22	56	+538	103	101	104	99	104	98	103	71	104	104	109	104	**109**
AWE	LU 799597335	**Granat**		Gymnast	Silver	64	**+292**	*+2*	69	+1444	+0.34	+0.05	+0.00	+96	+55	+66	**+447**	*-11*	-5	53	+510	103	101	102	95	103	106	103	70	104	105	113	105	**111**
STG	CA 110296927	**Blondin Chili**		Hotline	Silver	55	**+292**	*-3*	64	+1452	+0.25	+0.03	+0.00	+87	+54	+66	**+424**	*-3*	-5	40	+484	104	103	108	105	104	103		66	99	103	110	104	**108**
AWE	BE 513634136	**Napoleon B.Pop**		Gymnast	Jeiraki	64	**+292**	*-24*	69	+1253	+0.32	+0.11	-0.01	+85	+55	+56	**+421**	*+36*	-6	52	+434	106	104	103	98	103	100	101	69	104	103	112	102	**109**
STG	CA 109859821	**Lactomont Zorro P**	CD	Jedi	Overtime P	62	**+292**	*-2*	70	+1371	+0.02	+0.13	-0.01	+60	+61	+62	**+395**	*+10*	-14	49	+612	107	106	104	103	110	97		72	98	104	112	97	**105**
Sem	CA 12264628	**Boldi V Gymnast**		Doorsopen	Jabir	63	**+292**	*+6*	72	+1673	-0.07	-0.05	+0.00	+64	+53	+76	**+375**	*+9*	-52	50	+664	107	104	103	98	102	98		74	103	105	115	103	**111**
Tot	US 3138817712	**Welcome Khal**		Dg Charley	Damaris	56	**+292**	*+2*	64	+2026	-0.31	-0.14	+0.00	+53	+55	+92	**+364**	*+4*	+33	43	+709	105	103	108	101	105	101		65	95	101	108	103	**104**
CRV	NL 735712436	**Delta Jukebox P**	PO	Barcley	Powerplay Pp Cd	66	**+292**	*+8*	71	+488	+0.59	+0.30	+0.02	+75	+45	+24	**+349**	*+13*	-40	57	+634	107	102	105	106	103	100	105	72	103	105	110	107	**111**
CRV	NL 765755447	**Peeldijker Locker**		Baltikum	Bube	67	**+292**	*-6*	72	+900	+0.50	+0.04	+0.01	+87	+35	+42	**+339**	*-8*	+34	58	+522	107	105	101	103	100	99	103	72	100	100	110	104	**107**
CRV	NL 717948417	**Delta Sunfit P**	PO	Finder	Atlantic	67	**+292**	*-10*	72	+649	+0.35	+0.09	+0.05	+61	+31	+34	**+265**	*+4*	-26	59	+735	107	105	109	105	102	98	106	73	101	103	106	107	**108**
Sem	CA 12648635	**Progenesis Budget**		Apprentice	Denver	55	**+291**	*+10*	63	+2403	-0.25	-0.22	-0.01	+74	+59	+109	**+430**	*-4*	-64	40	+744	109	99	104		103	96		67	104	105	117	100	**111**
Alt	US 3138766709	**Aardema Altanixie**		Altarobson	Woodcrest Mogu	53	**+291**	*+0*	61	+837	+0.57	+0.28	+0.00	+90	+56	+38	**+430**	*+30*	-12	39	+588	101	104	107	100		107		62	102	105	112	103	**109**
Sam	CA 110621356	**Blondin Chipotle**		Hotline	Silver	55	**+291**	*-6*	63	+1481	+0.24	+0.03	-0.01	+88	+55	+67	**+430**	*+1*	-14	40	+488	103	103	108	105	104	103		64	100	103	110	105	**108**
Alt	US 3140986351	**Peak Altahothand**		Hotline	Montross	56	**+291**	*+5*	65	+1915	-0.16	-0.07	+0.00	+64	+59	+87	**+402**	*+17*	-13	40	+616	107	103	105	106	105	100		65	103	103	111	101	**108**
LIV	US 3132353723	**San-Dan Noble Stockton**		Noble	Rubicon	62	**+291**	*-10*	69	+1740	+0.07	-0.10	+0.00	+81	+50	+79	**+399**	*-6*	-34	48	+792	105	104	106	102	106	103		71	103	105	111	99	**107**
Kam	NL 634309531	**Rhala Ex Blackbush**		Bushman	Balisto	64	**+291**	*+17*	71	+1737	-0.20	-0.03	+0.02	+53	+57	+81	**+369**	*+37*	-61	57	+605	108	102	103	101	105	96	103	72	103	104	111	107	**111**
Mas	NL 750760885	**Jameson**		Jetset	Balisto	67	**+291**	*-2*	72	+1382	-0.03	+0.04	+0.05	+56	+52	+68	**+351**	*+35*	-31	58	+743	108	101	103	106	103	97	104	72	101	104	117	102	**111**
Gex	US 3137908291	**Co-Op Bsf Surg Slam Dunk**		Surgeon	Supersire	55	**+291**	*-18*	64	+1665	-0.16	-0.09	-0.01	+54	+49	+75	**+337**	*-31*	-13	40	+797	107	104	107		104	99		65	97	104	110	102	**106**
CRV	NL 685976711	**Delta Larry Rf**	RF	Bram Rf	Maestro Rf	66	**+291**	*-23*	71	+434	+0.48	+0.34	+0.06	+63	+46	+25	**+328**	*+3*	+0	56	+651	105	104	104	102	106	100	106	72	104	106	104	108	**108**
CRV	US 3139069148	**No-Fla Entice**		Collude	Montross	63	**+290**	*n*	71	+1801	+0.16	+0.00	+0.09	+94	+63	+92	**+483**	*n*	+0	56	+617	104	102	103	103	105	103	100	71	101	104	108	99	**105**
Alt	US 3142181239	**Peak Altaagotado**	RF	Frazzled	Woodcrest Mogu	54	**+290**	*+14*	63	+1836	+0.03	-0.14	-0.01	+81	+49	+83	**+396**	*+23*	-8	39	+659	103	106	110	103		101		65	100	103	106	100	**104**
Alt	US 3145230042	**Peak Altapantera**		Blowtorch	Mr Mogul Delta	54	**+290**	*-6*	63	+1721	-0.30	-0.03	+0.00	+42	+57	+78	**+345**	*+6*	-61	40	+675	106	107	107		104	104		64	103	106	111	102	**109**
Tot	NL 571956748	**Heidenskipster Santana**		Silver	Supersire	68	**+290**	*+23*	72	+1691	-0.13	-0.10	+0.05	+58	+48	+82	**+343**	*+25*	-16	60	+714	104	105	106	103	105	106	103	72	102	105	111	103	**109**
Alt	US 3149336741	**Peak Altaholst**		Altamontoya	Mr Mogul Delta	51	**+290**	*n*	58	+1341	+0.06	+0.00	+0.00	+63	+47	+61	**+343**	*n*	+2	38	+687	103	107	108	100		106		62	98	103	112	101	**107**
WWS	US 3133157816	**Dirt-Road Cannonball**		Apprentice	Mr Mogul Delta	55	**+290**	*-6*	64	+1123	+0.22	-0.01	+0.00	+70	+38	+51	**+318**	*-23*	-20	40	+827	109	104	108	105	103	100		64	102	105	113	99	**108**
CRV	DE 0539391976	**Wilder Smiley**	RF	Battlecry	Brekem	66	**+290**	*+3*	71	+245	+0.65	+0.26	-0.06	+69	+32	+6	**+278**	*+27*	+35	58	+768	108	103	106	98	106	98	103	72	95	103	111	104	**107**
GGI	NL 718141783	**Dg Noel**		Dg Charley	Supershot	66	**+290**	*-8*	71	+1383	-0.26	-0.04	+0.12	+32	+44	+75	**+270**	*+8*	-26	56	+784	107	106	108	103	107	96	103	72	102	107	112	103	**110**
STG	US 3132353434	**Tjr Duke Dawson**		Duke	Draco	60	**+289**	*+3*	68	+2984	-0.45	-0.22	+0.00	+74	+78	+136	**+516**	*+34*	-22	47	+585	104	101	105	99	108	99		70	103	104	114	95	**106**
Mas	DE 0359171040	**Supercup**		Shep	Balisto	66	**+289**	*+2*	71	+2114	-0.17	+0.01	+0.01	+71	+75	+98	**+486**	*+10*	-15	56	+701	105	100	106	100	104	101	102	71	97	102	109	96	**102**
Alt	US 3134407079	**Peak Altamontoya**		Altamoreno	Supersire	58	**+289**	*+21*	67	+1796	+0.02	+0.00	-0.01	+79	+63	+81	**+449**	*+18*	-48	43	+593	106	102	107	98	107	99		66	105	105	109	101	**108**
Alt	US 3147840005	**Peak Altaskokie**		Ocd Spring Samu	Silver	53	**+289**	*+26*	60	+1641	+0.08	+0.02	-0.01	+78	+59	+74	**+428**	*+22*	-39	40	+604	105	103	107	100	104	101		62	103	104	109	102	**107**
STG	US 3132352462	**St Gen Rubicon Jones**		Rubicon	Josuper	58	**+289**	*+38*	66	+1045	+0.64	+0.04	-0.01	+107	+40	+47	**+403**	*+35*	-42	47	+598	104	103	108	99	105	104		68	101	105	111	105	**110**
Alt	US 3142181520	**Peak Altahotjob**		Hotline	Josuper	56	**+289**	*+13*	65	+1519	+0.01	+0.03	+0.00	+66	+56	+69	**+389**	*+19*	-35	40	+524	105	103	109	103	105	105		65	98	104	115	104	**110**
Sem	CA 12609177	**Progenesis Marius**		Jedi	Bombero	58	**+288**	*+2*	67	+1858	-0.10	+0.00	-0.01	+68	+65	+84	**+435**	*+10*	-2	45	+673	106	104	106		104	101		70	99	105	108	95	**102**
Alt	US 3133065125	**Mr Mastermind**		Montana	Supersire	62	**+288**	*+9*	70	+1980	-0.09	-0.08	+0.00	+75	+60	+90	**+431**	*+10*	+4	49	+656	107	103	103		106	101		73	98	104	109	97	**103**
CRV	US 3133629974	**Butlerview Gold Medal**		Supershot	Halogen	67	**+288**	*-7*	72	+1924	-0.19	-0.03	+0.02	+62	+64	+90	**+420**	*-10*	-22	59	+566	103	103	110	104	102	103	104	72	106	105	108	101	**107**
Sem	CA 12608917	**Progenesis Kristoff**	CD	Willsbro Abbott	Supershot	56	**+288**	*+6*	65	+1779	-0.15	-0.04	+0.00	+60	+58	+81	**+388**	*+7*	-29	41	+747	105	103	106	102	105	98		68	99	104	113	101	**108**
ABS	US 3141494322	**Abs Sassafras**		Spectre	Rubicon	54	**+288**	*+5*	62	+605	+0.78	+0.18	-0.01	+99	+38	+27	**+372**	*+13*	+13	39	+730	102	104	104		104	102		65	101	104	110	105	**109**
STG	US 3132352752	**St Gen R-Haze Rapid**		Rubi-Haze	Rubicon	60	**+288**	*+9*	68	+1495	+0.00	+0.00	+0.00	+64	+52	+68	**+368**	*+26*	-48	47	+741	104	104	107		107	106		70	102	106	114	103	**111**
ABS	IT 036990601858	**Dotti Medley Orthild**		Medley	Silver	54	**+288**	*+20*	62	+1207	+0.31	+0.00	+0.00	+82	+42	+55	**+361**	*+28*	-28	39	+770	104	103	105	99		104		63	102	105	113	105	**111**
CRV	NL 661726527	**Double W Ranger**		Reflector	Snowfever Cd	67	**+288**	*-117*	71	+969	+0.35	+0.10	+0.04	+75	+44	+48	**+352**	*-134*	-31	59	+521	104	104	104	104	102	105	104	72	106	103	112	108	**113**
Toe	NL 765751337	**Molenkamp Kp Carter**		Kingpin	Headliner	66	**+288**	*+11*	71	+1097	+0.14	+0.10	+0.08	+61	+48	+58	**+342**	*+22*	-50	57	+704	107	106	102	101	106	100	102	72	104	107	115	100	**110**
Sem	CA 12948909	**Progenesis Pyramid**		Guarantee	Rubicon	53	**+288**	*+17*	61	+1098	+0.22	+0.07	+0.00	+68	+45	+50	**+342**	*+24*	-17	39	+628	105	108	109	103	104	101		62	103	104	108	100	**106**
	CZ 000064048124	**No-Pe Zekon**		Superhero	Woodcrest Mogu	61	**+288**	*n*	69	+1417	-0.02	-0.03	-0.01	+58	+46	+64	**+330**	*n*	-5	49	+797	102	109	106	101	102	106		71	100	105	109	100	**106**
STG	US 3123611270	**St Gen Delta-Eta 67481**		Mr Mogul Delta	Bookem	59	**+288**	*+3*	67	+679	+0.47	+0.11	-0.01	+73	+34	+30	**+302**	*-1*	+27	47	+764	108	103	105		105	104		70	98	102	113	103	**108**
CRV	US 3130792505	**Bush-Bros Mdwy Exclusive**		Bush-Bros Midw	De-Su Nominee	64	**+288**	*+4*	70	+572	+0.39	+0.08	-0.02	+61	+27	+24	**+246**	*+9*	+47	52	+667	103	109	110	112	105	107	103	69	97	102	110	103	**106**
CRV	NL 941103651	**Vormthoeve Lex**		Extreme	Balisto	63	**+288**	*+19*	71	+496	+0.33	+0.14	-0.03	+52	+30	+20	**+238**	*+41*	-57	57	+665	108	110	107	105	102	94	104	72	104	109	110	103	**109**
Alt	US 3145229960	**Peak Altamorris**		Duke	Rubicon	56	**+287**	*n*	64	+1905	+0.07	-0.06	-0.01	+89	+60	+86	**+459**	*n*	-24	42	+589	105	102	105	101	106	100		66	102	104	111	99	**107**
Mas	DK 02371402958	**Estador**		Eclair	Balisto	66	**+287**	*-8*	71	+1923	-0.08	+0.00	+0.03	+73	+67	+91	**+455**	*+24*	-40	57	+659	107	102	99	100	104	98	100	72	103	104	112	99	**107**
GGI	DE 1269513509	**Mandos**		Magister	Missouri	64	**+287**	*-36*	69	+1936	-0.28	-0.01	+0.01	+52	+66	+89	**+407**	*-36*	-20	55	+540	103	105	106	103	104	100	103	71	103	105	108	102	**107**
Sem	CA 12652607	**Stantons Emoji**		Outlast	Mr Mogul Delta	54	**+287**	*+3*	63	+1299	+0.34	-0.03	+0.00	+90	+42	+59	**+379**	*+0*	-43	40	+791	109	102	105	102	103	100		64	105	105	110	100	**108**
GGI	NL 684260978	**Veenhuizer K&l Bodi**		Board	Balisto	66	**+287**	*-11*	71	+1243	+0.01	+0.14	+0.07	+54	+57	+64	**+366**	*+21*	-55	57	+732	106	104	103	105	102	99	104	72	100	104	110	102	**107**
CRV	NL 916622424	**Willem's-Hoeve K&l Javino**		Concert	Balisto	66	**+287**	*-24*	71	+697	+0.32	+0.29	+0.04	+60	+52	+36	**+350**	*-46*	-33	57	+543	105	107	102	105	102	103	104	72	101	104	110	103	**108**
Mas	US 73953429	**Purity-Et**	BL	Pure	Altaoak	65	**+287**	*+11*	71	+1235	+0.01	+0.05	+0.06	+54	+48	+62	**+329**	*+12*	+84	56	+848	106	103	102	100	104	105	103	71	94	103	111	97	**103**
STG	US 3132350880	**Farnear-Tjr-Bh Torque**		Mega Star	Mr Mogul Delta	61	**+287**	*-2*	69	+1206	+0.17	-0.03	+0.00	+68	+39	+55	**+319**	*+9*	-34	48	+769	109	104	108	106	106	100		70	101	105	113	100	**108**
Sem	CA 12731113	**Claynook Discjockey**		Fortune	Monterey	61	**+287**	*+3*	69	+1280	+0.11	-0.06	+0.00	+66	+39	+58	**+316**	*+8*	-60	47	+604	106	105	106		102	100		70	100	105	123	104	**115**

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NVI wordt berekend als INET officieel is, ontbrekende fokwaarden gaan niet mee in NVI

Inet = 0,3*kg lactose + 2,1*kg vet + 4,1*kg eiwit

NVImelkdoel = 0,4*Inet +0,08*lvd +4,7*UGH +6,3*VRU +1,8*Uier +3,6*Beenwerk +1,8*GEB +2,7*KGH + 0,23*BVK
NVIdubbeldoel = 0,35*Inet +0,09*lvd +5,2*UGH +5,2*VRU +5,2*Uier +6*Beenwerk +2*GEB + 5,2* VLi

Perspublicatie stierindexen Zwartbont genomisch zonder dochters

December 2019

Ki Ai	Stiernummer Bull number	Stiernaam Bull name	Erf-fa Her-fa	Vader Sire	M-vader MGS	Bt Rel	NVI NVI	+/- +/-	Bt Rel	kgM kgM	%V %F	%E %P	%L %L	kgV kgF	kgE kgP	KgL KgL	INET INET	+/- +/-	BVK SFCM	Bt Rel	Lvd Lon	Ugh Udh	Vru Fer	Gin Cal	Geb DCE	KA Tem	MS MS	Kgh CLW	Bt Rel	F F	T DS	U U	B F&L	Ext T
Melkdoel Zwart							pnt			**Productie**							**€**		**€**				**Functioneel**							**Exterieur**				
Mas	LU 199442868	**Souki Et**		Silver	Altaoak	68	**+287**	*+9*	72	+1268	+0.04	-0.02	+0.11	+58	+42	+69	**+315**	*+4*	+27	60	+678	105	104	106	102	104	107	102	72	95	102	112	104	**107**
Sem	CA 12529310	**Progenesis Padawan**		Jedi	Enforcer	64	**+287**	*+1*	72	+1689	-0.51	-0.03	+0.00	+18	+56	+77	**+291**	*+10*	-49	51	+716	108	111	102	102	106	99		73	101	106	110	99	**106**
GGI	NL 894813728	**Poppe Red Hot Filou Rdc**	RF	Finder	Brekem	66	**+287**	*-14*	71	+1228	-0.12	-0.01	+0.05	+40	+42	+61	**+275**	*-15*	-48	58	+607	107	106	109	106	106	101	104	72	99	104	111	106	**109**
STG	US 3132352407	**St Gen Superhero Swift**		Superhero	Co-Op Day Tuffe	63	**+286**	*-15*	70	+1863	-0.24	-0.03	-0.01	+54	+62	+84	**+393**	*-9*	-27	50	+745	102	103	104		105	106		73	103	103	114	104	**111**
CRV	US 3129449671	**No-Fla Novel**		Altaspring	Supersire	65	**+286**	*+4*	72	+1834	-0.09	-0.09	-0.02	+69	+54	+82	**+391**	*+14*	+25	59	+614	104	104	106	101	104	105	102	72	100	105	108	100	**105**
ABS	US 3141494481	**Denovo 7895 Mentor**		Magnus	Supershot	55	**+286**	*+13*	64	+1992	-0.29	-0.14	-0.01	+54	+54	+90	**+362**	*+18*	-23	41	+820	106	105	102		102	102		67	100	104	110	100	**106**
	US 3133064316	**Endco Supreme**		View-Home Cash	Platinum	63	**+286**	*-16*	70	+1212	+0.12	+0.08	+0.00	+64	+50	+55	**+356**	*+7*	-3	51	+830	110	104	100	98	102	99		73	100	103	109	97	**104**
Tot	DE 0360175103	**Adlon P**	PO	Adagio-P	Rubicon	65	**+286**	*-20*	71	+1141	+0.10	+0.07	-0.05	+58	+47	+47	**+329**	*-15*	-14	53	+586	106	106	105	100	102	102	102	71	104	107	113	102	**110**
CRV	NL 767212379	**Delta Lonestar**		Regard	Sunset	66	**+286**	*+9*	72	+1035	+0.06	+0.11	+0.06	+50	+47	+53	**+314**	*+18*	+13	60	+634	106	105	104	99	100	103	104	81	100	105	110	103	**108**
GGI	DE 0667098879	**My Time**	PP	Mission P	Ocean Pp	65	**+285**	*+14*	71	+1213	+0.21	+0.17	-0.04	+73	+59	+51	**+411**	*+19*	+66	54	+501	104	105	103	103	100	97	101	71	91	98	108	98	**100**
CRV	US 3147839955	**Peak Maximo**		Imax	Jedi	63	**+285**	*+5*	70	+1611	+0.09	-0.08	+0.00	+78	+48	+74	**+383**	*+5*	-18	52	+522	103	107	107	105	102	102	102	70	103	106	112	99	**108**
Tot	US 3139851226	**Kings-Ransom G Dylan**		Granite	Mr Mogul Delta	65	**+285**	*+3*	71	+1222	+0.12	+0.09	+0.05	+64	+52	+61	**+366**	*+12*	+45	52	+519	104	104	107	102	102	100	99	71	103	102	116	101	**110**
Sem	US 3140616329	**Sandy-Valley Embellish**		Fortune	Rubicon	54	**+285**	*+17*	63	+1184	+0.21	+0.02	+0.00	+71	+43	+54	**+342**	*+19*	-13	40	+650	105	106	108	97	104	99		66	98	104	111	101	**106**
OBS	DE 0360175060	**Rolls**		Roxy B	Supershot	65	**+285**	*-6*	71	+1827	-0.37	-0.10	-0.02	+38	+53	+81	**+321**	*+3*	-11	54	+749	105	103	103	104	104	100	105	70	99	101	113	104	**109**
CRV	NL 899486602	**Midwolder Marshall**		Bernini	Galaxy	65	**+285**	*+11*	72	+1165	+0.18	-0.05	-0.01	+67	+36	+52	**+304**	*+30*	-47	59	+630	109	103	104	102	103	100	106	80	105	106	108	107	**110**
WWS	US 3142352034	**Trent-Way-Js Ronald**	RF	Salvatore Rc	Silver	61	**+285**	*+3*	69	+1489	-0.14	-0.11	-0.01	+49	+41	+67	**+291**	*+4*	-25	48	+783	106	105	104		103	103		70	99	105	117	104	**112**
Tot	US 73508041	**Dg Kingboy Sniper**		Kingboy	Dymentholm S S	65	**+285**	*-21*	72	+1983	-0.43	-0.23	-0.01	+38	+44	+89	**+287**	*-9*	-37	59	+729	107	105	107	99	100	96	102	78	103	108	117	102	**112**
Alt	US 3145229983	**Peak Altaflyhigh**		Altaflywheel	Silver	55	**+285**	*+11*	63	+826	+0.28	+0.06	-0.01	+62	+35	+37	**+285**	*+27*	-71	43	+822	107	106	109	101	106	103		64	104	106	115	102	**111**
CRV	NL 714486729	**Peeldijker Cranberry**		Concert	Silver	66	**+285**	*-27*	71	+970	+0.08	+0.05	+0.08	+49	+39	+52	**+278**	*-67*	+27	56	+734	107	108	102	101	106	103	102	72	103	105	107	101	**106**
Mas	US 3139851225	**Himark**		Granite	Silver	65	**+284**	*+11*	71	+1832	+0.04	-0.12	-0.02	+82	+51	+81	**+406**	*+23*	-19	53	+596	102	106	102	102	103	106	102	71	98	104	112	100	**106**
ABS	US 3132117134	**Pine-Tree Prophecy**		Monterey	Supersire	61	**+284**	*-2*	69	+1572	+0.03	-0.03	-0.01	+70	+52	+71	**+382**	*+7*	-12	48	+759	103	104	109	101	108	104		71	102	103	108	101	**106**
Gex	US 3141657476	**Blumenfeld Frazzled Loki**		Frazzled	Silver	55	**+284**	*+30*	64	+1663	-0.14	-0.03	-0.01	+56	+55	+75	**+366**	*+42*	-30	40	+726	106	105	105		103	102		65	97	105	110	100	**105**
Sem	US 3133886835	**No-Fla Utopia**		Altaspring	Supersire	59	**+284**	*+7*	68	+1738	-0.08	-0.13	+0.00	+66	+47	+79	**+355**	*+10*	-39	48	+728	105	105	105		103	107		70	104	106	110	103	**109**
CRV	NL 934274522	**Delta Magister**		Whatsapp Rf	Direct	72	**+284**	*-53*	72	+856	+0.06	+0.26	-0.06	+42	+55	+33	**+324**	*-45*	-34	68	+600	104	106	108	107	103	103	104	87	108	107	112	103	**111**
Exc	DE 0770374886	**Gin Bahia**		Battlecry	Galaxy	66	**+284**	*+13*	71	+1606	-0.13	-0.12	+0.01	+55	+44	+74	**+318**	*+22*	-19	58	+763	109	101	105	98	104	96	103	72	98	106	113	103	**109**
CRV	NL 623901612	**Delta Surrender PP**	PP	Laurent P Rf	Atlantic	66	**+284**	*+5*	71	+532	+0.53	+0.19	-0.04	+72	+36	+21	**+305**	*+28*	-41	57	+722	108	103	102	101	100	98	106	72	105	105	107	107	**110**
CRV	US 144116797	**Gil-Gar Fumagalli**		Altaamulet	De-Su Altaleaf	62	**+284**	*+14*	71	+962	+0.18	+0.05	+0.00	+58	+38	+44	**+291**	*+27*	-32	55	+703	106	106	103	98	107	106	105	71	107	106	113	103	**111**
CRV	NL 669663330	**Delta Jafin**		Finder	Bube	66	**+284**	*-24*	71	+582	+0.27	+0.04	+0.04	+50	+24	+30	**+212**	*-7*	-20	58	+668	105	109	106	105	107	107	104	72	103	105	107	110	**111**
Dek	FR 5941776590	**Lalisto**		Balisto	Epic	68	**+283**	*-5*	72	+2214	-0.24	+0.06	+0.00	+68	+84	+101	**+518**	*-16*	-64	60	+643	104	100	101	98	100	102	102	72	103	104	107	100	**105**
Alt	US 3147839972	**Peak Altajimi**		Altarobson	Supersire	52	**+283**	*+14*	59	+1215	+0.48	+0.12	+0.00	+100	+54	+55	**+448**	*+40*	-47	40	+698	102	103	106	99	106	101		62	103	104	107	102	**106**
Mas	US 3131668835	**Enrapture**		Profit	Supersire	65	**+283**	*+22*	71	+1711	-0.04	+0.02	+0.07	+69	+62	+85	**+425**	*+27*	+70	56	+542	104	101	103	101	101	101	102	71	98	102	108	101	**104**
Mas	DE 0360215365	**B H Gin Tonics**		Gymnast	Shep	63	**+283**	*+3*	69	+1914	-0.11	-0.07	-0.04	+70	+59	+83	**+414**	*+13*	-32	52	+591	105	104	106	100	104	92	102	69	103	104	105	101	**105**
Gex	US 3132117270	**Pine-Tree Ragen Hagar**		Fairmont Stoic	Pure	61	**+283**	*-4*	70	+1531	+0.07	+0.04	-0.01	+72	+57	+69	**+406**	*+6*	-12	47	+645	102	103	108		102	104		70	98	104	112	102	**107**
Kam	NL 580721821	**Poppe Red Hot Neymar**	RF	Board	Snow Rf	63	**+283**	*+6*	71	+678	+0.39	+0.31	+0.11	+66	+53	+41	**+368**	*+20*	-5	57	+456	107	105	104	103	101	97	102	72	101	105	103	105	**105**
Kam	NL 622923033	**Newhouse Racoon**		Magister	Platinum	62	**+283**	*-29*	69	+1479	-0.01	+0.01	-0.04	+62	+53	+63	**+366**	*-29*	-57	56	+624	105	107	102	101	103	99	102	71	105	106	111	101	**109**
CRV	US 3134408742	**Peak Firewall**		Altafireup	Woodcrest Mogu	66	**+283**	*-7*	71	+1024	+0.47	+0.03	-0.06	+90	+39	+41	**+361**	*+0*	+1	55	+478	102	105	110	104	102	104	104	71	104	104	105	106	**108**
ABS	US 3141559636	**Denovo 14242 Kokomo**		Blowtorch	Mr Mogul Delta	54	**+283**	*+4*	63	+1897	-0.19	-0.16	+0.00	+60	+49	+86	**+353**	*+24*	-30	40	+631	104	106	105		106	105		65	99	105	110	104	**108**
Alt	US 3138498807	**Peak Altabuggy**		Altaflywheel	Woodcrest Mogu	55	**+283**	*+12*	63	+1079	+0.29	+0.05	+0.00	+75	+43	+49	**+349**	*+12*	-4	42	+687	103	106	112	110	107	106		65	98	104	109	100	**105**
GGI	DE 0539063836	**Born P Rdc**	RF PO	Battlecry	Perfect Aiko	67	**+283**	*+16*	71	+801	+0.41	+0.12	-0.06	+73	+39	+31	**+323**	*+40*	+7	58	+687	109	103	104	99	103	95	102	72	101	106	109	102	**107**
WWS	US 3132344633	**No-Fla Lavon 42698**		Supershot	Mayflower	64	**+283**	*-5*	72	+1910	-0.48	-0.16	+0.00	+30	+50	+87	**+294**	*-4*	-21	53	+856	106	106	106	104	103	103		74	100	104	108	103	**106**
Tot	FR 2716293730	**Drakkar Baltasar**		Altaspring	Chevrolet	61	**+283**	*+12*	69	+1403	-0.23	-0.06	-0.01	+36	+43	+63	**+271**	*+25*	-19	50	+794	107	104	110	101	101	101		73	101	105	112	105	**110**
Kam	NL 748583542	**Ricolm**	RF	Malcolm Rf	Leonidas	65	**+283**	*+12*	72	+336	+0.50	+0.21	+0.03	+60	+31	+18	**+259**	*+11*	+28	59	+534	105	109	106	103	101	98	104	72	101	100	102	107	**105**
CRV	US 3134407036	**Lexvold Mason**		Spark	Velhuis B Ahead	66	**+282**	*+8*	72	+2745	-0.48	-0.24	+0.02	+62	+68	+128	**+447**	*+7*	+18	56	+639	105	101	103	100	105	96	100	71	99	103	107	100	**104**
STG	US 3132349957	**Mr Spring Nighthawk**		Altaspring	Numero Uno	60	**+282**	*+13*	69	+2131	-0.18	-0.15	+0.00	+71	+58	+97	**+416**	*+16*	-31	48	+713	105	103	104		103	101		69	102	106	111	99	**107**
Mas	DE 1405355465	**Joyness**		Jedi	Headliner	67	**+282**	*-9*	71	+1502	-0.11	+0.14	+0.01	+53	+67	+70	**+407**	*+0*	-19	57	+653	104	103	104	100	106	106	101	72	100	104	115	99	**108**
	US 3132198509	**Mr Ss Motor Oil**		Supershot	Mogul	59	**+282**	*+1*	66	+2085	-0.35	-0.14	+0.00	+51	+57	+95	**+369**	*+7*	-23	49	+803	104	103	103		106	101		70	100	105	110	104	**108**
WWS	US 3139198083	**Cookiecutter Highlite**		Copycat	Mr Mogul Delta	53	**+282**	*-2*	61	+1621	+0.01	-0.09	-0.01	+70	+47	+73	**+362**	*+14*	-29	39	+662	107	105	106	100		105		62	100	104	113	98	**106**
	DK 03372307452	**Vh Anderstrup Radium Recri**		Vh Radium	Boss	66	**+282**	*-5*	71	+1405	-0.09	+0.02	+0.07	+51	+51	+71	**+338**	*+2*	-36	54	+746	106	105	105	100	101	100	104	71	103	106	111	99	**107**
Kam	NL 677046772	**De Volmer Dumoulin**		Dg Charley	Massey	63	**+282**	*+5*	71	+915	+0.34	+0.08	+0.06	+72	+40	+48	**+330**	*+3*	+36	56	+602	107	104	106	103	105	99	101	72	102	103	108	102	**106**
CRV	US 3135379077	**Ronjanco Furtivo**		Achiever	Josuper	63	**+282**	*n*	70	+1113	+0.30	-0.04	-0.04	+77	+35	+47	**+319**	*n*	+31	52	+528	103	108	108	98	103	103	101	69	100	104	111	101	**107**
K&L	DK 03416303941	**Vh Hoejgaard Reflector River**		Reflector	Osmus	66	**+282**	*+0*	71	+534	+0.08	+0.14	+0.02	+30	+32	+26	**+202**	*+31*	+64	57	+783	105	105	106	103	102	110	102	72	92	99	119	105	**110**
CRV	US 3014562289	**Sandy-Valley Axxon**		S-S-I Eraser P	De-Su Nominee	65	**+281**	*-9*	71	+1913	+0.01	+0.01	+0.11	+82	+68	+99	**+481**	*-4*	-44	54	+501	100	102	103	100	105	109	103	71	101	103	114	102	**109**
GGI	DK 02371402918	**Malinus**		Modeco	Balisto	66	**+281**	*+7*	71	+2143	-0.47	-0.12	+0.05	+40	+62	+103	**+369**	*+5*	-1	56	+783	105	101	101	100	103	98	102	71	100	103	111	104	**108**
BGA	DE 0666644448	**Rzh Glastonbury Saxofon**		Supershot	Cashmoney	66	**+281**	*+0*	72	+1687	-0.15	-0.05	+0.01	+56	+54	+78	**+362**	*+8*	-37	58	+619	105	106	106	109	104	98	106	72	103	106	104	100	**104**
Alt	US 3142181416	**Peak Altaabba**		Blowtorch	Rubicon	55	**+281**	*+9*	64	+1501	+0.04	-0.14	+0.00	+68	+38	+68	**+319**	*+28*	-48	41	+581	105	107	109		106	102		67	104	106	111	104	**110**
STG	US 3132350249	**Mr Detour High Noon**		Detour	De-Su Nominee	56	**+281**	*+13*	65	+1295	-0.04	-0.01	+0.00	+51	+44	+59	**+305**	*+13*	+14	43	+748	103	107	106		104	105		66	97	101	111	102	**106**
STG	US 3142704383	**Tjr Noble Caribbean**		Noble	Mr Mogul Delta	52	**+281**	*+41*	59	+1745	-0.25	-0.27	-0.01	+48	+32	+79	**+256**	*+31*	-16	40	+793	102	110	106	104		108		63	102	105	114	103	**110**
Alt	US 3145229971	**Peak Altatigre**		Dg Charley	Mr Mogul Delta	57	**+281**	*-7*	65	+1126	-0.16	+0.02	+0.00	+32	+41	+51	**+251**	*-5*	-14	44	+915	108	107	110	104	104	102		67	99	104	110	98	**105**
STG	US 3132198398	**Mr Rubicon Dynasty**		Rubicon	Roylane Socra R	62	**+280**	*+24*	71	+1674	+0.17	+0.01	+0.00	+89	+59	+76	**+452**	*+38*	-14	52	+587	104	101	104		104	99		72	102	106	107	103	**107**
STG	US 3130010408	**De-Su Spring Silverado**		Altaspring	Supersire	60	**+280**	*+0*	68	+1413	+0.30	+0.08	+0.00	+91	+57	+64	**+444**	*+9*	-16	48	+631	103	102	104	93	103	103		69	102	104	110	101	**107**
Alt	US 3150701313	**Peak Altaolaf**		Blumenfeld Jedi	Mr Oak Delco 57	51	**+280**	*n*	58	+2497	-0.34	-0.23	-0.01	+68	+61	+113	**+427**	*n*	-8	38	+521	104	106	107	101		102		61	104	104	110	95	**104**

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NVI wordt berekend als INET officieel is, ontbrekende fokwaarden gaan niet mee in NVI

Inet = 0,3*kg lactose + 2,1*kg vet + 4,1*kg eiwit

NVImelkdoel = 0,4*Inet +0,08*lvd +4,7*UGH +6,3*VRU +1,8*Uier +3,6*Beenwerk +1,8*GEB +2,7*KGH + 0,23*BVK
NVIdubbeldoel = 0,35*Inet +0,09*lvd +5,2*UGH +5,2*VRU +5,2*Uier +6*Beenwerk +2*GEB + 5,2* VLi

Perspublicatie stierindexen Zwartbont genomisch zonder dochters

December 2019

Ki Ai	Stiernummer Bull number	Stiernaam Bull name	Erf-fa Her-fa	Vader Sire	M-vader MGS	Bt Rel	NVI NVI	+/- +/-	Bt Rel	kgM kgM	%V %F	%E %P	%L %L	kgV kgF	kgE kgP	KgL KgL	INET INET	+/- +/-	BVK SFCM	Bt Rel	Lvd Lon	Ugh Udh	Vru Fer	Gin Cal	Geb DCE	KA Tem	MS MS	Kgh CLW	Bt Rel	F F	T DS	U U	B F&L	Ext T
Melkdoel Zwart							pnt			**Productie**							**€**		**€**						**Functioneel**						**Exterieur**			
GGI	DE 0539536500	**Bajou**		Barcley	Racer	66	**+280**	*+1*	71	+1035	+0.34	+0.24	-0.04	+77	+60	+43	**+421**	*+4*	+41	57	+642	105	98	104	106	105	105	102	72	99	103	111	102	**107**
	US 3131131493	**Peak Altamantra**		Wickham	Supersire	61	**+280**	*+18*	69	+1714	+0.04	-0.13	+0.00	+77	+46	+78	**+374**	*+22*	-51	48	+690	105	103	109	103	105	98		71	104	104	110	103	**109**
Alt	US 3143383930	**Bomaz Altamonson**		Altarobson	Monterey	53	**+280**	*+14*	61	+741	+0.43	+0.25	-0.01	+72	+50	+33	**+366**	*+36*	-66	39	+678	105	105	106	98	103	102		62	102	104	112	102	**109**
Mas	DE 0358665672	**Barabo**		Battlecry	Balisto	67	**+280**	*-11*	72	+614	+0.40	+0.23	+0.02	+64	+43	+30	**+320**	*+6*	-26	58	+730	107	104	101	103	107	104	102	72	97	102	111	104	**107**
Sem	CA 12189047	**Stantons Adorable**		Supershot	Mccutchen	63	**+280**	*-20*	71	+1417	-0.17	-0.04	-0.01	+43	+45	+64	**+294**	*-15*	-82	52	+819	106	105	105	99	105	101		78	104	108	118	104	**114**
STG	US 3138310311	**Redrock-View Klutch**		Jedi	Kingboy	63	**+280**	*+3*	71	+1420	-0.18	-0.05	-0.01	+42	+44	+64	**+288**	*+5*	-33	50	+745	108	108	106	99	106	96		73	101	106	116	96	**108**
Ves	IT 015990386781	**Ins Penman Enterprise**		Penmanship	Balisto	62	**+280**	*+8*	69	+897	+0.09	+0.11	-0.01	+47	+42	+40	**+283**	*-2*	-14	48	+845	106	106	106	103	102	101		71	101	103	108	103	**107**
ABS	US 3134408368	**De - Su 13759 Potosi**		Bourbon	Supershot	56	**+280**	*-8*	64	+1685	-0.33	-0.15	-0.01	+37	+43	+76	**+277**	*-5*	-58	43	+913	110	105	106	103	104	99		65	101	105	111	100	**107**
Gex	US 3132632861	**Co-Op Madron Garick**		Hendel Mr Madro	Roylane Socra R	56	**+280**	*-2*	64	+1415	-0.31	-0.05	-0.01	+29	+44	+64	**+261**	*+11*	+16	43	+758	110	105	103		103	101		65	94	102	109	103	**105**
CRV	US 3147987675	**Aot Midas-Touch Mucho**		Eldorado	Silver	53	**+279**	*+9*	60	+1718	+0.26	+0.00	+0.00	+100	+60	+78	**+479**	*+26*	-9	40	+520	103	102	107	103	106	102		64	98	104	107	99	**103**
Sem	US 3140616229	**Sandy-Valley Expresso**	RF	Apprentice	Rubicon	54	**+279**	*+2*	63	+1980	-0.14	-0.17	+0.00	+69	+51	+90	**+381**	*+18*	-37	40	+617	101	106	106		104	101		66	100	105	112	103	**109**
ABS	US 3135245753	**Abs Eldridge**		Jett	Davinci	56	**+279**	*+0*	64	+1524	-0.02	+0.02	+0.00	+63	+55	+69	**+379**	*+13*	-36	42	+549	106	107	107	103	107	100		66	102	104	110	97	**105**
ABS	US 3132117331	**Pine-Tree Kendrick**		Gage	Woodcrest Mogu	54	**+279**	*-9*	63	+1220	+0.28	+0.03	-0.01	+80	+46	+55	**+373**	*+6*	+45	39	+801	102	103	105			108		64	98	101	108	101	**104**
Sem	CA 12719021	**Progenesis Pavlov**		Granite	Rubicon	54	**+279**	*+7*	63	+936	+0.50	+0.08	-0.01	+88	+40	+42	**+361**	*+28*	-25	40	+673	102	106	106		105	101		64	102	105	112	102	**109**
CRV	NL 945194293	**Delta Rumba P**	RF PO	Silver	Maddock P	67	**+279**	*+13*	72	+1030	+0.16	+0.08	+0.13	+60	+44	+60	**+324**	*+18*	-8	60	+685	106	102	104	105	102	101	104	72	95	102	113	104	**108**
WWS	CA 12208585	**Claynook Casper**		Hang-Time	Bombero	63	**+279**	*+2*	70	+1059	+0.08	+0.11	+0.00	+53	+48	+48	**+323**	*+12*	-21	49	+696	107	107	106	105	99	102		73	99	105	116	95	**106**
CRV	US 3014562239	**Sandy-Valley Audible**		Modesty	Bombero	66	**+278**	*-3*	71	+1181	+0.45	+0.12	-0.06	+95	+53	+48	**+431**	*-17*	+23	57	+419	101	102	110	105	101	107	103	72	98	102	105	104	**104**
Mas	DE 0359296703	**Backstage**		Battlecry	Boss	66	**+278**	*-9*	71	+1609	-0.03	+0.03	+0.04	+65	+59	+78	**+402**	*-1*	-12	58	+682	107	99	102	97	104	96	101	72	97	102	110	104	**107**
Sem	CA 12434610	**Progenesis Cameron**		Penmanship	Woodcrest Mogu	62	**+278**	*+19*	70	+1872	-0.23	-0.05	+0.00	+55	+60	+85	**+387**	*+12*	-42	49	+624	104	105	107	104	103	105		71	100	104	107	102	**105**
ABS	UK 706042704320	**Denovo Zoltar**		Dg Charley	Mr Mogul Delta	55	**+278**	*-11*	63	+1765	-0.18	-0.06	+0.00	+56	+55	+80	**+367**	*+16*	-40	43	+804	106	103	107	102	106	102		64	98	105	109	100	**105**
Kam	NL 648499079	**Koepon Rustiek**		Rush Hour Cd	Bookem	62	**+278**	*+5*	69	+1068	+0.17	+0.17	+0.00	+62	+54	+49	**+366**	*-29*	+37	53	+534	105	101	105	104	102	100	102	70	97	101	108	106	**107**
Sem	US 3141495129	**Siemers Darwin**		Superhero	Silver	61	**+278**	*+6*	69	+1356	+0.15	-0.04	-0.01	+73	+43	+61	**+348**	*+4*	-51	49	+719	103	106	102	101	103	105		71	105	106	115	103	**112**
Tot	NL 882387437	**Dg Oh Dalvator**		Salvatore Rc	Rubicon	55	**+278**	*-1*	62	+2095	-0.32	-0.23	-0.01	+54	+48	+95	**+339**	*+6*	-42	42	+654	104	106	106	103	101	101		66	101	107	112	103	**109**
CRV	NL 929596752	**Delta Maximus**		Sven	Plan Z	67	**+278**	*-16*	72	+1284	+0.11	-0.02	+0.04	+66	+43	+63	**+334**	*-8*	-33	60	+795	103	104	105	103	102	95	109	79	104	108	99	105	**105**
Sem	CA 12609045	**Ste Odile Milktime**		Duke	Supershot	57	**+277**	*+0*	66	+2780	-0.33	-0.15	-0.01	+80	+80	+126	**+534**	*+9*	-32	42	+666	103	100	103		106	99		68	107	106	105	97	**104**
Tot	NL 727982759	**Dg Bertin**		Missouri	Smurf	66	**+277**	*+6*	71	+2887	-0.48	-0.20	+0.02	+67	+77	+134	**+497**	*+2*	+16	57	+546	103	98	105	104	99	100	103	72	96	100	109	99	**103**
ABS	US 3145627359	**Denovo 14685 Value-Et**		Duke	Rubicon	55	**+277**	*+8*	63	+1342	+0.44	+0.11	+0.00	+102	+58	+61	**+470**	*+34*	-10	41	+559	105	102	104	99	104	96		65	101	105	108	97	**104**
Alt	US 3139733266	**Peak Altagopro**		Helix	Montross	56	**+277**	*+24*	65	+2636	-0.33	-0.26	+0.00	+75	+62	+120	**+448**	*+32*	-55	41	+577	105	103	104		105	101		65	102	104	110	99	**106**
CRV	NL 941810667	**Peeldijker Limousine**		Crescendo	Doorman	66	**+277**	*-4*	72	+1546	-0.02	+0.07	-0.03	+64	+61	+67	**+405**	*-5*	-54	59	+608	106	104	103	102	100	96	102	78	101	105	108	100	**105**
LIV	US 3126003270	**Ri-Val-Re Spring Anthem**		Altaspring	Epic	67	**+277**	*+4*	72	+1585	-0.05	+0.03	+0.01	+62	+58	+73	**+390**	*+13*	-49	59	+580	105	101	107	99	100	106	104	72	104	108	114	102	**111**
Sem	CA 12789661	**Progenesis Hemingway**		Fortune	Jedi	55	**+277**	*+7*	64	+2024	-0.18	-0.18	+0.00	+67	+51	+92	**+377**	*+19*	-54	39	+547	107	105	105		104	100		65	100	103	114	99	**107**
CRV	NL 684231664	**Delta Leonardo**		Reflector	Let It Snow	67	**+277**	*-33*	71	+1848	-0.28	-0.04	+0.06	+49	+60	+91	**+376**	*-51*	-5	58	+601	104	102	103	96	105	104	102	72	103	103	111	105	**110**
CRV	NL 710730956	**Delta Bodyguard**		Bolt Rf	Stellando Rf	70	**+277**	*+0*	72	+1191	-0.02	+0.04	-0.02	+49	+46	+52	**+307**	*-31*	+5	63	+340	105	104	110	99	106	101	102	85	102	104	110	110	**112**
CRV	US 3144856393	**Hilmar-D Pinn Alec**		Pinnacle	Rubicon	52	**+277**	*n*	59	+993	+0.12	+0.06	+0.00	+54	+40	+45	**+291**	*n*	-19	40	+669	105	106	111	103	105	107		63	99	104	115	101	**109**
Kam	NL 621975552	**Big Kofu**		Jetset	Brawler	64	**+277**	*+0*	72	+129	+0.69	+0.32	+0.05	+67	+33	+10	**+279**	*+3*	+17	58	+730	109	103	102	104	104	100	102	72	103	103	114	102	**110**
Sem	CA 12648548	**Progenesis Maxis**		Eugenio	Defender	54	**+277**	*+6*	63	+1397	-0.14	-0.09	-0.01	+45	+40	+63	**+277**	*+20*	-46	41	+684	104	109	105		106	103		65	104	105	115	103	**111**
CRV	NL 754797793	**Vandenberg Delta Nautilus**		Penley	Atlantic	64	**+277**	*+19*	72	+1179	-0.13	+0.02	-0.05	+37	+43	+49	**+269**	*+26*	-19	58	+642	108	106	106	101	103	99	104	72	99	104	108	103	**106**
K&L	DK 03754605848	**Vh Solbakken Kasi Rc Kilme**		Vh Tirsvad Kanu	Fageno	65	**+277**	*+3*	71	+1256	-0.17	-0.02	-0.02	+36	+42	+55	**+264**	*+22*	-55	54	+632	106	108	104	102	100	102	103	71	101	106	116	103	**111**
CRV	NL 730639868	**Hoeve Boveneind Herovina**	RF	Sunfish	Eusebio	64	**+276**	*+8*	72	+1804	-0.08	+0.05	+0.04	+68	+68	+87	**+448**	*+19*	-46	59	+469	109	101	103	103	103	98	102	73	104	103	100	103	**103**
Mas	US 3127565619	**Motown**		Modesty	Tatum	65	**+276**	*+11*	72	+1709	-0.28	-0.03	-0.03	+43	+56	+75	**+342**	*-14*	+73	55	+498	102	104	106	102	101	104	103	71	95	99	112	102	**106**
CRV	NL 660160281	**Delta Lustrum**		Topgear	Let It Snow	66	**+276**	*-2*	71	+1125	-0.09	+0.19	-0.07	+39	+58	+44	**+333**	*+12*	-49	57	+582	103	102	105	101	102	98	106	72	106	108	109	111	**114**
Kam	NL 763988957	**Plataan Kjeld**		Sirio	Headliner	60	**+276**	*+25*	69	+979	+0.36	+0.04	+0.02	+77	+38	+47	**+332**	*+34*	-17	53	+624	104	103	106	103	106	104	104	70	99	104	109	106	**108**
Kam	NL 759464746	**Katershorst Willem**		Wisent Rf	Bookem	64	**+276**	*+12*	72	+1281	-0.24	+0.06	+0.03	+30	+51	+61	**+290**	*+15*	+8	57	+661	103	104	108	104	104	102	105	72	103	105	113	104	**111**
Sam	DE 0539735341	**Col Dg Mambo**		Dg Charley	Silver	59	**+276**	*+10*	67	+806	+0.29	+0.04	-0.01	+62	+32	+36	**+272**	*+13*	-10	46	+718	105	108	108	105	104	104		68	100	104	109	102	**106**
GGI	DE 0539675032	**Hansa P**	PO	Superhero	Powerball P	65	**+275**	*+12*	71	+1498	-0.18	+0.05	-0.04	+45	+57	+64	**+347**	*+6*	-56	55	+622	102	106	108	101	102	108	104	71	105	108	111	102	**110**
Sem	CA 12452135	**Progenesis Dropkick**		Superhero	Kingboy	55	**+275**	*+0*	64	+1376	-0.02	-0.02	-0.01	+57	+46	+62	**+327**	*-28*	-52	43	+822	104	104	105		104	104		65	101	103	117	102	**111**
GGI	DE 0359258686	**Figo**		Finder	Supershot	67	**+275**	*-31*	71	+753	+0.38	+0.17	+0.01	+68	+42	+35	**+326**	*-32*	-40	58	+557	105	107	107	104	103	97	102	72	100	105	107	103	**106**
GGI	DE 0770217596	**Barbados**		Battlecry	Racer	66	**+275**	*-4*	71	+744	+0.27	+0.04	+0.01	+57	+30	+35	**+253**	*-10*	-29	57	+723	108	104	103	101	107	98	105	72	102	105	115	104	**111**
Alt	US 3143525335	**Peak Altaglo**		Oakfield Rubico	Monterey	55	**+274**	*-3*	64	+1535	+0.33	+0.01	+0.00	+99	+55	+70	**+454**	*-3*	+15	40	+650	102	99	106	101	106	101		66	97	103	107	103	**105**
CRV	NL 755764370	**Delta Sindor**		Supershot	Epic	71	**+274**	*+4*	72	+1936	-0.32	-0.07	+0.03	+48	+60	+92	**+374**	*-21*	-82	67	+874	105	103	104	99	110	95	102	85	109	108	110	100	**109**
Alt	US 3142181574	**Peak Altamanor**		Hurtgenlea Ydr	Altaspring	54	**+274**	*+6*	62	+1680	-0.08	-0.11	-0.01	+63	+47	+76	**+348**	*+9*	-54	39	+741	105	104	107	100		101		64	101	105	109	103	**107**
ABS	US 3141494321	**Abs Jeronimo P**		Superhero	Powerball P	55	**+274**	*-15*	63	+474	+0.58	+0.17	-0.01	+74	+32	+21	**+293**	*-28*	+26	42	+747	106	106	105		105	104		65	100	102	111	99	**106**
Sem	CA 12857664	**Progenesis Martini**		Fortune	Mr Mogul Delta	53	**+274**	*-5*	60	+1241	+0.06	-0.12	-0.01	+59	+31	+56	**+268**	*+17*	-42	39	+628	108	106	111	101	104	102		64	102	105	115	101	**110**
GGI	DE 0539638681	**First**		Finder	Racer	67	**+274**	*-11*	71	+558	+0.18	+0.12	+0.09	+41	+31	+34	**+223**	*-5*	-43	58	+612	105	107	108	106	105	99	107	72	103	104	111	107	**111**
Alt	US 3142181106	**Peak Altaliaison**		Altarobson	Mr Mogul Delta	55	**+273**	*+2*	64	+1385	+0.06	+0.02	+0.00	+65	+50	+63	**+360**	*+15*	-26	39	+654	102	105	108	101		107		65	103	105	109	103	**108**
Mas	DE 0359821287	**Salvo Rdc**	RF	Salvatore Rc	Commander	65	**+273**	*-11*	71	+1679	+0.00	-0.15	+0.01	+71	+43	+78	**+349**	*+3*	-9	53	+453	106	106	107	103	103	99	103	71	100	105	107	100	**104**
Alt	US 3138498783	**Peak Lexell**		Superhero	Monterey	61	**+273**	*-11*	69	+1557	-0.16	-0.05	+0.00	+50	+49	+71	**+327**	*-31*	-34	49	+703	104	105	108	100	104	105		71	100	105	116	100	**109**
CRV	NL 931310823	**Delta Rianto**		Lendor	Nelson	63	**+273**	*n*	69	+716	+0.29	+0.17	+0.01	+58	+41	+34	**+300**	*n*	-31	52	+651	105	102	103	105	99	97	106	69	105	104	112	108	**113**
WWS	US 3136807571	**S-S-I Bandares Biggie**		Bandares	Supersire	58	**+273**	*-6*	67	+885	+0.12	+0.03	+0.00	+49	+34	+40	**+254**	*-25*	-54	46	+850	107	106	106	95	106	103		69	102	107	115	102	**111**
Sem	CA 12609140	**Progenesis Positive**		Duke	Rubicon	55	**+272**	*+23*	64	+1658	+0.30	-0.03	-0.01	+102	+55	+75	**+462**	*+44*	-10	41	+546	102	103	103		105	100		67	106	106	109	99	**107**
WWS	US 3145229820	**Peak Tropic**		Hotline	Rubicon	53	**+272**	*+9*	61	+1244	+0.30	+0.08	-0.01	+83	+51	+56	**+400**	*+22*	-48	40	+505	102	103	107	102	105	105		65	103	104	115	104	**112**

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NVI wordt berekend als INET officieel is, ontbrekende fokwaarden gaan niet mee in NVI

Inet = 0,3*kg lactose + 2,1*kg vet + 4,1*kg eiwit

NVImelkdoel = 0,4*Inet +0,08*lvd +4,7*UGH +6,3*VRU +1,8*Uier +3,6*Beenwerk +1,8*GEB +2,7*KGH + 0,23*BVK
NVIdubbeldoel = 0,35*Inet +0,09*lvd +5,2*UGH +5,2*VRU +5,2*Uier +6*Beenwerk +2*GEB + 5,2* VLi

Perspublicatie stierindexen Zwartbont genomisch zonder dochters

December 2019

Ki Ai	Stiernummer Bull number	Stiernaam Bull name	Erf-fa Her-fa	Vader Sire	M-vader MGS	Bt Rel	NVI NVI	+/- +/-	Bt Rel	kgM kgM	%V %F	%E %P	%L %L	kgV kgF	kgE kgP	KgL KgL	INET INET	+/- +/-	BVK SFCM	Bt Rel	Lvd Lon	Ugh Udh	Vru Fer	Gin Cal	Geb DCE	KA Tem	MS MS	Kgh CLW	Bt Rel	F F	T DS	U U	B F&L	Ext T
Melkdoel Zwart							pnt			**Productie**							**€**		**€**				**Functioneel**						**Exterieur**				
Alt	US 3147840163	**Peak Altaritz**		Anakin	Edg Mogul Ruge	52	**+272**	*+13*	59	+1540	+0.15	-0.04	+0.00	+81	+50	+70	**+396**	*+15*	-28	38	+481	103	105	105	100		104		62	98	103	113	101	**107**
Alt	US 3140986372	**Peak Altadateline**		Hotline	Montross	55	**+272**	*-1*	64	+1651	-0.10	-0.02	+0.00	+60	+56	+75	**+378**	*+4*	-63	40	+597	108	103	105	102	105	100		67	104	103	114	99	**109**
STG	DE 539063887	**Wilder Hermes**		Superhero	Modena	55	**+272**	*-25*	62	+1573	-0.11	+0.00	-0.01	+56	+55	+71	**+364**	*-56*	-66	43	+698	106	104	105		102	105		66	104	105	111	101	**108**
Sem	CA 13024693	**Progenisis Blizzard**		Topnotch	Denver	54	**+272**	*+3*	63	+1258	+0.22	-0.02	+0.00	+76	+42	+57	**+349**	*+5*	-38	39	+703	107	104	105	97		100		65	100	106	116	97	**108**
Sem	CA 12719193	**Progenesis Parkavenue**		Fortune	Supershot	53	**+272**	*-5*	60	+2054	-0.38	-0.17	-0.01	+46	+53	+93	**+342**	*+11*	-88	40	+700	105	106	105	100	105	97		64	103	105	112	102	**109**
CRV	US 3128365017	**Peak Finn**		Supershot	Mccutchen	67	**+272**	*+0*	72	+2084	-0.49	-0.17	+0.03	+36	+54	+98	**+326**	*+11*	-88	59	+671	107	105	105	102	105	97	103	72	104	107	113	101	**110**
Alt	US 3129037666	**Wfc Real Mccoy**		Altaspring	Supersire	60	**+271**	*+6*	68	+1848	-0.12	-0.07	+0.00	+66	+57	+84	**+398**	*+27*	-32	48	+670	106	102	104		102	99		70	100	105	110	100	**106**
Sem	CA 12754526	**Westcoast Grandprix**		Fortune	Altaspring	54	**+271**	*+3*	63	+1710	-0.04	-0.13	-0.01	+69	+46	+77	**+357**	*+21*	-52	40	+692	107	102	107	98	105	104		65	100	106	115	100	**109**
Alt	US 3142181185	**Peak Altabelding**		Dg Charley	Rubicon	57	**+271**	*-10*	65	+1406	+0.00	+0.00	+0.00	+60	+49	+64	**+346**	*-3*	-51	44	+708	104	103	108	104	105	103		68	101	104	110	105	**109**
K&L	FR 4963779080	**Limitless**		Silver	Daddy	67	**+271**	*-4*	72	+1134	+0.28	+0.01	+0.02	+76	+41	+54	**+344**	*+4*	-10	59	+527	104	105	107	101	100	103	104	72	100	104	109	101	**106**
Sem	US 3141495570	**Siemers Roadshow**		Granite	Mr Mogul Delta	53	**+271**	*+3*	61	+1446	+0.08	-0.09	-0.01	+70	+41	+65	**+335**	*+24*	-34	40	+728	105	104	108	101	106	100		65	101	104	113	100	**108**
CRV	NL 679611154	**Delta Beatle**		Commander	Fever	70	**+271**	*+21*	72	+763	+0.48	+0.01	+0.06	+78	+28	+41	**+291**	*+4*	-14	62	+464	109	102	103	104	106	99	105	82	99	103	112	107	**110**
ABS	US 3130010467	**De-Su 13222 Sunkist**		Altaspring	Supersire	60	**+270**	*+11*	68	+1632	+0.10	+0.04	+0.00	+80	+61	+74	**+440**	*+21*	-45	48	+676	103	102	104		104	104		69	107	105	109	100	**108**
Alt	US 3145240286	**G-Deruyter Altarisen**		Altarobson	Rubicon	52	**+270**	*+27*	59	+926	+0.51	+0.08	+0.00	+89	+40	+42	**+364**	*+53*	-52	39	+613	102	105	106	98		102		63	102	106	112	104	**110**
Tot	US 3138766402	**Mr Charley Its Me**		Dg Charley	Bombero	57	**+270**	*-1*	66	+1611	-0.06	-0.06	+0.00	+62	+50	+73	**+357**	*+9*	-1	44	+692	103	104	108	104	104	102		67	100	103	108	101	**105**
WWS	US 3138843085	**Cherry-Lily Zip Luster-P**	PO	Ocd Eraser Zip	Kingboy	60	**+270**	*+5*	67	+1382	+0.16	-0.06	+0.00	+75	+42	+63	**+349**	*+0*	-18	46	+654	103	104	106	97	106	100		69	102	104	110	104	**109**
Exc	ES 1704321133	**Gener Super Spri Ng**		Altaspring	Supersire	67	**+270**	*-12*	72	+1631	-0.06	-0.11	-0.02	+63	+45	+72	**+338**	*+3*	+1	59	+538	105	105	107	104	103	103	103	72	105	107	113	98	**108**
Kam	NL 654340930	**De Pettershoeve Leon**		Altahotrod	G-Force	63	**+270**	*+12*	71	+1265	-0.09	+0.09	-0.06	+45	+53	+52	**+327**	*+13*	+8	57	+436	104	107	101	105	101	95	102	71	104	103	104	107	**107**
Alt	US 3129436990	**Wet Altapioneer**		Altapainter	Roylane Socra R	57	**+270**	*+9*	66	+1027	+0.12	+0.06	-0.01	+55	+42	+46	**+302**	*-3*	+2	43	+748	106	105	106	101	101	102		67	96	103	110	100	**105**
WWS	US 3130915852	**Cookiecutter Humblenkind**		Modesty	Epic	65	**+270**	*-24*	73	+1088	-0.02	-0.07	-0.01	+44	+31	+49	**+234**	*-35*	+29	52	+626	104	108	108	105	103	104		74	92	100	116	102	**107**
AWE	FR 6414474240	**Liway Sil**		Silver	Meridian	68	**+270**	*+0*	72	+1134	-0.07	-0.14	+0.11	+41	+26	+63	**+212**	*-18*	-34	59	+563	110	104	105	102	102	100	102	72	103	106	120	107	**116**
Sem	CA 12719230	**Progenesis Parachute**		Superhero	Rubicon	55	**+269**	*+3*	63	+1560	+0.13	-0.07	+0.00	+80	+47	+71	**+382**	*-11*	-39	42	+676	102	104	108	104	104	100		64	104	106	112	100	**108**
	NL 618713259	**Primeval Hercules**		Superhero	Mr Mogul Delta	58	**+269**	*+5*	66	+1548	+0.00	-0.07	-0.01	+66	+47	+70	**+352**	*-4*	+10	44	+647	101	105	106	102	106	105		67	101	104	109	103	**107**
CRV	NL 694388754	**Skalsumer Pilates**		Jetset	Danno	67	**+269**	*+6*	72	+681	+0.43	+0.18	+0.03	+70	+41	+34	**+325**	*+18*	-22	58	+634	108	98	104	104	100	99	106	72	101	103	109	108	**110**
CRV	NL 751976786	**Zandenburg Sparkle**	BR	Commander	Snowman	69	**+269**	*+8*	72	+1874	-0.45	-0.12	+0.09	+32	+53	+95	**+313**	*+18*	-40	62	+687	108	98	105	100	105	103	103	84	96	102	119	106	**112**
Alt	US 3140239377	**Matcrest Altacuchillo**		Bandares	Mr Mogul Delta	57	**+269**	*+5*	66	+1136	+0.06	-0.02	-0.01	+54	+38	+51	**+285**	*-11*	-31	42	+738	105	106	107	95	106	106		68	102	105	110	103	**108**
CRV	NL 661727018	**Double W Radiator**		Jetset	Snowfever Cd	67	**+269**	*+11*	71	+266	+0.60	+0.20	-0.07	+66	+27	+6	**+251**	*-4*	+8	58	+673	108	103	103	104	103	96	103	72	101	104	116	104	**112**
Sem	US 3148748491	**Leaninghouse Vincent**		Magictouch	Rubicon	53	**+269**	*+2*	61	+278	+0.49	+0.22	-0.01	+56	+30	+12	**+244**	*+6*	-11	39	+707	104	107	108	99	105	102		63	97	103	112	105	**109**
Mas	DE 0357995972	**Extremo**		Extreme	Fanatic	66	**+269**	*-4*	71	+1516	-0.46	-0.08	+0.04	+17	+45	+73	**+242**	*+4*	+13	57	+674	107	106	105	103	101	100	103	72	102	104	113	101	**109**
Mas	DE 0358774577	**Feeling**		Flattop	Balisto	66	**+269**	*-3*	71	+582	+0.45	+0.02	+0.02	+67	+22	+28	**+239**	*+10*	-5	57	+777	108	104	105	104	105	94	103	72	98	103	116	101	**109**
Sem	CA 12638218	**Westcoast Alcove**		Duke	Mvp	61	**+268**	*+2*	69	+1909	+0.16	-0.06	+0.00	+98	+60	+87	**+478**	*+27*	-23	48	+438	100	104	105	101	104	100		71	103	106	109	99	**106**
Mas	DE 0359741455	**Axminster**		De-Su 12138 Ara	Woodcrest Mogu	65	**+268**	*-11*	71	+1750	+0.13	-0.01	-0.01	+88	+60	+79	**+455**	*-8*	-7	55	+564	102	100	102	96	104	105	101	70	104	104	109	103	**108**
Sem	CA 12464180	**Silverridge V Emeritus**		Jett	Supershot	55	**+268**	*-7*	64	+2259	-0.20	-0.13	+0.00	+74	+64	+103	**+449**	*+15*	-39	42	+609	103	102	104		106	97		65	102	104	110	99	**106**
Tot	DE 0538910850	**Col Simon**		Supershot	Headliner	67	**+268**	*+2*	72	+1837	-0.26	-0.05	-0.09	+51	+59	+74	**+371**	*-12*	-48	59	+615	104	106	106	101	105	98	104	72	106	108	108	97	**106**
STG	US 3132350030	**Edg Director Rooster**		Mr Pre Director	Rubicon	54	**+268**	*+9*	61	+1225	+0.23	+0.04	-0.01	+75	+47	+55	**+367**	*+24*	-16	42	+688	104	103	105		104	102		65	100	104	113	100	**107**
STG	US 3126776525	**Genosource Delta Regma**		Mr Mogul Delta	Roylane Socra R	58	**+268**	*+13*	65	+1318	+0.20	-0.05	+0.00	+76	+41	+60	**+346**	*+18*	+39	48	+751	104	102	105		105	104		69	94	102	107	102	**103**
	DE 0539782083	**Superglu**		Superhero	Headliner	66	**+268**	*-9*	71	+966	+0.25	+0.09	-0.05	+65	+42	+39	**+320**	*-14*	+14	55	+690	105	105	102	98	103	99	103	71	98	106	110	99	**105**
Alt	US 3133064302	**Endco Argo**	RF CD	Silver	Supersire	61	**+268**	*+12*	70	+1012	+0.15	+0.00	+0.00	+58	+35	+46	**+279**	*+5*	-1	49	+696	107	104	103	99	104	106		72	99	105	115	103	**110**
Sem	US 3140616328	**Sandy-Valley Fullmarks**		Fortune	Rubicon	54	**+268**	*+20*	63	+1301	-0.05	-0.09	+0.00	+50	+36	+59	**+270**	*+14*	-43	40	+694	105	107	107	96	104	101		65	98	105	115	102	**109**
CRV	DE 0358476898	**Amor P**	RF PO	Apoll P	Balisto	62	**+267**	*+10*	70	+2128	-0.11	+0.02	+0.00	+79	+76	+97	**+507**	*+22*	+1	52	+501	103	99	103	101	100	99		68	102	104	106	100	**104**
Sem	US 3140616192	**Sandy-Valley Hotspring**		Euclid	Montross	54	**+267**	*+0*	62	+2124	-0.27	-0.13	-0.01	+61	+60	+96	**+403**	*+13*	-52	41	+659	105	102	102		107	105		66	103	106	112	101	**109**
Sem	CA 12857537	**Silverridge V Circus**		Hardrock	Duke	53	**+267**	*+0*	62	+1651	+0.08	-0.08	+0.00	+79	+49	+75	**+389**	*+0*	-42	38	+596	105	103	105	100		103		63	104	104	112	100	**108**
LIV	US 3139951900	**Speek-Nj Raiden Article**		Abs Raiden	Kingboy	54	**+267**	*+30*	62	+1873	-0.12	-0.11	+0.00	+67	+54	+85	**+388**	*+27*	-39	40	+715	102	104	108	99	103	103		66	103	104	108	100	**106**
Alt	US 3139733285	**Peak Altaemirates**		Altaflywheel	Silver	54	**+267**	*+3*	61	+1395	+0.09	+0.02	-0.01	+69	+51	+63	**+373**	*+15*	-19	42	+554	104	104	107	101	106	98		62	97	103	110	101	**105**
Sem	CA 12648423	**Ste Odile Electric**		Fedex	Supershot	55	**+267**	*-21*	64	+1924	-0.16	-0.17	-0.01	+65	+49	+87	**+364**	*-34*	-28	40	+750	103	104	107		105	104		66	106	105	109	100	**107**
Alt	CA 12415209	**Pine-Tree-I Altaspitfire**		Monterey	Supersire	59	**+267**	*+0*	67	+1300	+0.05	+0.01	+0.00	+60	+46	+59	**+332**	*+12*	-22	48	+712	104	105	107	99	108	102		71	101	103	109	101	**106**
Kam	NL 664364678	**Kik Just In Time**		Bookem	Altaiota	70	**+267**	*+26*	72	+1320	+0.11	-0.06	+0.09	+67	+40	+69	**+325**	*+54*	-22	63	+427	105	106	106	98	103	96	100	81	101	104	108	106	**108**
Sem	CA 12719072	**Progenesis Dryden**		Superhero	Kingboy	53	**+267**	*+2*	61	+1648	-0.15	-0.18	+0.00	+55	+39	+75	**+298**	*-13*	-63	42	+889	105	105	103		104	106		65	103	104	117	100	**111**
Sem	CA 12464192	**Silverridge V Phone**		Duke	Supershot	55	**+266**	*+3*	63	+2793	-0.41	-0.15	+0.00	+71	+80	+127	**+515**	*+19*	-39	42	+649	103	99	103		104	97		68	104	106	110	96	**105**
	DE 0770544819	**Minecraft P**	PO	Mission P	Silver	65	**+266**	*+8*	71	+1722	-0.03	+0.04	-0.09	+70	+64	+69	**+430**	*+4*	+14	55	+472	102	101	103	101	102	102	102	71	103	104	109	103	**108**
Kam	NL 759560912	**Baltic**		Balisto	Bertil	68	**+266**	*+1*	72	+1681	-0.16	+0.12	-0.01	+55	+71	+76	**+429**	*-11*	+6	62	+415	104	102	104	98	99	104	100	81	104	104	104	104	**106**
CRV	US 3141558681	**Bush-Bros Certify**		Spectre	Mr Oak Delco 57	63	**+266**	*-6*	70	+1313	+0.23	+0.05	+0.03	+79	+51	+63	**+394**	*+1*	+51	51	+445	103	104	109	102	103	105	100	69	104	99	103	100	**103**
Alt	US 3142181082	**Peak Altaaudobon**		Bourbon	Monterey	56	**+266**	*+4*	65	+1929	-0.34	-0.11	-0.01	+46	+56	+87	**+352**	*-4*	-58	42	+700	104	105	108	96	106	101		66	101	106	110	100	**107**
LIV	CA 12189058	**Stantons Miss Joplin**		Missouri	Mccutchen	67	**+266**	*-12*	74	+2275	-0.45	-0.27	-0.01	+47	+49	+103	**+331**	*-2*	-1	54	+672	107	102	106	101	103	103		76	97	102	115	99	**107**
	US 3132991976	**G-Deruyter Altanitro**		Modesty	Kingboy	58	**+266**	*-2*	66	+835	+0.35	+0.00	+0.00	+69	+29	+38	**+275**	*-26*	+8	45	+630	106	106	111	102	101	100		68	100	101	108	101	**105**
Sem	CA 12371185	**Westcoast Guy**		Bayonet	Jacey	57	**+266**	*+13*	65	+782	+0.10	+0.15	-0.01	+43	+42	+35	**+273**	*+21*	-75	44	+790	105	107	100	96	105	105		66	102	104	114	105	**111**
CRV	NL 622784625	**Delta Mingo P**	RF PO	Nova Star	Filou Rdc	65	**+266**	*-14*	71	+813	+0.05	+0.15	+0.09	+39	+43	+46	**+272**	*-35*	+0	55	+570	105	107	104	105	102	103	103	72	100	104	108	104	**107**
AWE	CA 12221929	**Silvercap Selfie Rc**	RF	Supershot	Aikman	60	**+266**	*-16*	68	+1698	-0.37	-0.18	+0.00	+34	+40	+77	**+259**	*-2*	-47	49	+795	106	107	106	102	104	94		69	102	106	109	103	**108**
Alt	US 3014562298	**Sandy-Valley Altapackard**		Altasuperstar	Kingboy	60	**+266**	*+17*	69	+770	+0.22	+0.06	+0.00	+54	+33	+35	**+259**	*+24*	-51	45	+755	111	105	105	97	102	102		70	102	104	112	100	**108**
STG	US 3132352305	**Mr Sprhero Twister**		Superhero	Mr Mogul Delta	54	**+266**	*-17*	62	+652	+0.33	+0.01	-0.01	+59	+24	+29	**+231**	*-18*	-19	41	+787	105	108	105	100	105	108		64	100	105	116	101	**110**
GGI	DE 0360175110	**Olino**		Outlast	Altaspring	65	**+266**	*-3*	71	+405	+0.22	+0.09	+0.05	+37	+22	+23	**+175**	*+1*	+2	52	+758	107	107	107	103	101	95	102	71	106	107	116	103	**113**

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NVI wordt berekend als INET officieel is, ontbrekende fokwaarden gaan niet mee in NVI

Inet = 0,3*kg lactose + 2,1*kg vet + 4,1*kg eiwit

NVImelkdoel = 0,4*Inet +0,08*lvd +4,7*UGH +6,3*VRU +1,8*Uier +3,6*Beenwerk +1,8*GEB +2,7*KGH + 0,23*BVK
NVIdubbeldoel = 0,35*Inet +0,09*lvd +5,2*UGH +5,2*VRU +5,2*Uier +6*Beenwerk +2*GEB + 5,2* VLi

Perspublicatie stierindexen Zwartbont genomisch zonder dochters

December 2019

Ki Ai	Stiernummer Bull number	Stiernaam Bull name	Erf-fa Her-fa	Vader Sire	M-vader MGS	Bt Rel	NVI NVI	+/- +/-	Bt Rel	kgM kgM	%V %F	%E %P	%L %L	kgV kgF	kgE kgP	KgL KgL	INET INET	+/- +/-	BVK SFCM	Bt Rel	Lvd Lon	Ugh Udh	Vru Fer	Gin Cal	Geb DCE	KA Tem	MS MS	Kgh CLW	Bt Rel	F F	T DS	U U	B F&L	Ext T
Melkdoel Zwart							pnt			**Productie**							€		€					**Functioneel**						**Exterieur**				
Mas	DE 0122523964	**Merian PP**	PP	Mission P	Balisto	65	**+265**	*+19*	71	+2028	-0.35	-0.02	-0.03	+49	+69	+89	**+413**	*+26*	-1	55	+549	104	104	105	102	100	103	100	71	98	103	108	97	**103**
CRV	NL 623185191	**Primeval Royal Magnus-Et**		King Royal	Mr Mogul Delta	54	**+265**	*-4*	62	+1263	+0.35	+0.07	-0.01	+89	+51	+57	**+413**	*+16*	-29	40	+532	104	102	106	97	104	103		64	102	105	110	101	**107**
Alt	US 3138498767	**Peak Altagameon**		Jedi	Littleton	59	**+265**	*n*	67	+2143	-0.42	-0.10	-0.01	+45	+64	+97	**+386**	*n*	-26	45	+552	107	104	105	100	106	99		69	100	105	109	97	**104**
Bov	US 3139951898	**Speek-Nj Raiden Arden**		Abs Raiden	Kingboy	55	**+265**	*+28*	63	+2021	-0.23	-0.20	+0.00	+61	+49	+92	**+357**	*+30*	-22	40	+750	105	103	108	100	105	100		67	103	104	110	98	**106**
Kam	NL 933447046	**K&l Ido**		Baltikum	Epic	65	**+265**	*-14*	72	+1917	-0.25	-0.15	+0.11	+55	+51	+99	**+354**	*+2*	-78	59	+603	108	104	109	103	105	99	100	72	103	104	108	100	**106**
CRV	NL 659618111	**Delta Relevant**		Mobile	Chevrolet	69	**+265**	*+7*	72	+740	+0.32	+0.18	-0.05	+62	+43	+29	**+315**	*+26*	-6	61	+579	107	102	106	104	102	101	100	81	101	104	107	107	**108**
Alt	US 3138498788	**Peak Altastarjack**		Jedi	Monterey	59	**+265**	*+0*	68	+1431	-0.22	-0.01	+0.00	+38	+49	+65	**+300**	*+5*	-21	46	+673	105	107	108	104	107	105		69	96	104	116	96	**106**
CRV	NL 682548137	**Delta Jacobus**		Topgear	Mobile	66	**+265**	*+6*	71	+974	+0.17	+0.03	-0.10	+58	+37	+35	**+284**	*+32*	-45	57	+514	106	106	106	104	100	96	105	72	102	106	109	104	**108**
STG	DE 0358435146	**Gga Gordon**		Battlecry	Altaembassy	64	**+265**	*+2*	72	+1186	+0.03	-0.03	+0.00	+53	+38	+54	**+283**	*+5*	-36	52	+773	108	105	105	101	105	98		73	101	104	107	102	**106**
Alt	US 3131306835	**Endco Dragon**		Supershot	Platinum	64	**+264**	*-8*	72	+2206	-0.24	-0.12	-0.01	+67	+64	+100	**+433**	*-1*	-56	54	+677	105	99	101		106	103		74	106	105	111	103	**110**
Mas	DE 0953021002	**Rho Pepper**		Mr Puma	Dolph	63	**+264**	*+19*	69	+952	+0.33	+0.16	-0.05	+73	+49	+39	**+366**	*+17*	+61	52	+384	103	104	104	106	102	100	105	69	96	101	109	99	**103**
Sem	CA 12719010	**Progenesis Dartagnan**		Eugenio	Altaspring	55	**+264**	*-5*	64	+1747	-0.15	-0.17	-0.01	+59	+43	+79	**+324**	*+12*	-52	41	+772	103	104	105		106	104		67	101	107	116	102	**111**
WWS	US 3129015960	**S-S-I Penley All Star**		Penley	Morningview Bo	63	**+264**	*-25*	72	+1601	-0.22	-0.11	+0.00	+45	+44	+73	**+297**	*-8*	-81	53	+827	109	104	101	105	105	102	101	62	107	108	112	101	**110**
Sem	CA 12379989	**Progenesis Mustang**		Supershot	Defender	60	**+264**	*-10*	68	+1250	-0.08	-0.06	+0.00	+45	+38	+57	**+267**	*+0*	-41	48	+697	104	108	109	103	103	100		69	104	105	112	101	**109**
Sem	US 3132110037	**View-Home Buffalo**		Altaspring	Mccutchen	65	**+264**	*+7*	73	+1156	-0.02	-0.05	-0.01	+47	+35	+52	**+258**	*+2*	-11	54	+733	103	107	108		104	107		74	103	103	114	102	**110**
STG	US 3010366258	**San-Dan Draco Easy 62511**		Draco	Mogul	57	**+264**	*+0*	65	+1244	-0.13	-0.05	-0.01	+40	+38	+56	**+257**	*+20*	-12	45	+750	108	106	106	99	105	103		66	101	105	112	99	**107**
Sem	US 3140616308	**Sandy-Valley Emerald**		Fortune	Rubicon	55	**+264**	*+10*	65	+1443	-0.23	-0.13	-0.01	+38	+37	+65	**+251**	*+18*	-13	40	+641	104	107	109	95	104	101		66	96	104	114	103	**108**
Sem	CA 12857892	**Progenesis Watson**	RF	Imax	Mr Mogul Delta	54	**+263**	*+16*	62	+1573	+0.04	+0.00	-0.01	+71	+55	+71	**+396**	*+28*	-20	40	+707	103	101	105	102		108		63	101	105	113	100	**108**
Kam	NL 606684859	**Poppe Red Hot Baricco**	RF	Barolo	Snow Rf	63	**+263**	*-12*	71	+908	+0.29	+0.19	+0.06	+67	+50	+47	**+360**	*-8*	+33	57	+513	104	104	99	104	98	102	101	72	96	100	110	102	**105**
GGI	DE 0540130147	**Wilder Berum**	PO	Batch P	Superhero	63	**+263**	*+9*	69	+1521	-0.18	+0.03	+0.09	+46	+56	+79	**+350**	*+31*	-57	51	+648	105	101	103	100	103	99	103	69	104	108	113	105	**112**
CRV	US 3138499025	**Peak Justify**		Franchise	Josuper	62	**+263**	*-13*	71	+1051	+0.18	+0.14	-0.05	+62	+50	+43	**+348**	*-7*	+31	55	+574	105	105	106	102	104	101	101	71	98	100	109	96	**102**
GGI	DE 0539046100	**Silence**	RF	Silver	Magenta	67	**+263**	*+12*	72	+2112	-0.22	-0.30	-0.04	+66	+41	+92	**+334**	*+14*	-22	59	+635	105	103	102	98	104	105	102	72	101	102	112	103	**109**
WWS	US 3014562339	**Sandy-Valley Bd Freeborn**		Bandares	Kingboy	57	**+263**	*-10*	66	+930	+0.23	+0.11	+0.00	+62	+43	+42	**+319**	*-35*	-13	42	+761	107	104	105		104	102		66	101	105	110	98	**105**
Tot	BE 612596500	**Dukefarm Sillian**		Silver	Meridian	66	**+263**	*+2*	72	+1358	+0.07	-0.09	+0.05	+65	+38	+67	**+312**	*+12*	-35	59	+574	103	102	107	100	103	111	104	79	102	105	114	107	**112**
K&L	DK 03388505909	**Vh Blush Bradoc**		Vh Blush	Bynke	66	**+263**	*-9*	71	-19	+0.10	+0.20	+0.08	+8	+17	+6	**+88**	*+2*	-18	55	+742	108	112	109	105	102	101	106	71	101	104	107	104	**107**
SZO	IT 097990053894	**Ghezzi Btkm Jesolo**		Baltikum	Sargeant	58	**+262**	*+7*	66	+2123	-0.23	-0.06	-0.01	+65	+68	+96	**+444**	*+10*	-48	47	+600	103	101	103	99	100	102		68	103	104	108	102	**107**
Sem	CA 12609015	**Progenesis Fabulous**		Jett	Kingboy	56	**+262**	*-2*	64	+2220	-0.29	-0.18	+0.00	+63	+58	+101	**+400**	*+13*	-31	43	+604	105	102	105		106	100		67	99	103	115	97	**107**
Alt	US 3142181523	**Peak Altavelvet**		Hotline	Altaspring	55	**+262**	*-2*	63	+883	+0.49	+0.04	+0.00	+85	+35	+40	**+334**	*-4*	-64	40	+625	107	101	106	98	104	103		65	101	103	114	105	**111**
	IT 034990894741	**Agrigen Ryl Crockett**		Altahotrod	Judo	64	**+262**	*-9*	71	+1179	+0.27	-0.03	-0.01	+77	+38	+53	**+333**	*-15*	-22	51	+549	107	105	103	101	105	101		72	103	104	111	100	**107**
STG	US 3123606833	**St Gen Chief Madden**		Stantons Chief	Monterey	55	**+262**	*-8*	64	+974	+0.28	+0.04	+0.00	+69	+38	+44	**+314**	*+1*	-11	41	+625	105	105	106	98	104	102		65	101	103	115	99	**108**
K&L	DE 0359296711	**Babylon Et**	RF	Battlecry	Dymentholm S S	66	**+262**	*-11*	71	+1454	-0.14	-0.18	+0.02	+48	+32	+68	**+252**	*-2*	+3	57	+704	105	105	104	104	103	97	103	72	98	103	113	103	**108**
STG	US 3013115141	**Rosylane-Llc Ss Marvel**		Supershot	S-S-I Twist Mon	58	**+262**	*+0*	67	+1268	-0.28	-0.11	-0.01	+26	+33	+57	**+207**	*-2*	-22	47	+890	105	109	105	98	105	101		69	99	105	107	103	**106**
Alt	US 3134199309	**No-Fla Altawillie**		Josuper	Midnight	59	**+261**	*+26*	68	+1838	-0.12	-0.05	-0.01	+65	+59	+83	**+403**	*+56*	-58	47	+491	103	104	108		104	102		69	104	105	111	100	**108**
Alt	US 3133370961	**Peak Alta24k**		Bayonet	Cashcoin	56	**+261**	*+3*	64	+1863	-0.24	-0.11	-0.01	+54	+53	+84	**+356**	*+21*	-15	45	+702	103	105	105	102	105	107		66	103	104	106	100	**105**
GGI	DE 0538910943	**Zorro P**	PO	Zumba P	Headliner	65	**+261**	*-4*	71	+1402	-0.03	+0.04	-0.06	+57	+53	+58	**+354**	*-10*	-4	55	+737	104	102	103	102	104	104	103	71	100	103	111	99	**106**
ABS	US 3141494533	**Denovo 7947 Glitz**		Jedi	Rubicon	63	**+261**	*+16*	71	+1175	+0.05	+0.13	-0.01	+55	+54	+53	**+353**	*+24*	-38	51	+629	105	105	105	100	106	97		73	104	107	110	99	**107**
Tot	NL 941059013	**Dg Reckless**		Rubicon	Cashcoin	62	**+261**	*+15*	70	+1406	+0.12	-0.09	+0.00	+72	+40	+64	**+334**	*+28*	-24	49	+604	103	104	107	102	103	102		70	100	106	108	105	**108**
K&L	FR 7954021108	**Newstar**		Louxor	Capital Gain	63	**+261**	*+1*	70	+1436	-0.02	-0.05	+0.09	+59	+45	+75	**+331**	*-2*	-57	51	+576	107	101	102	99	106	100	101	71	105	105	122	103	**116**
Mas	DE 0359514746	**London**		Lombardi	Balisto	65	**+261**	*-25*	71	+796	+0.28	+0.18	+0.06	+61	+45	+42	**+325**	*-43*	+39	54	+448	104	103	101	103	101	95	102	71	97	102	115	104	**109**
Alt	US 3133630023	**Butlerview Altaclaim**		Supershot	Halogen	60	**+261**	*+2*	68	+1343	-0.03	-0.04	+0.00	+54	+43	+61	**+308**	*+9*	-40	48	+710	107	106	105		103	101		71	103	104	104	101	**104**
Kam	NL 592640639	**De Volmer Dropshot Rf**	RF	Supershot	Perfect Aiko	66	**+261**	*-4*	72	+978	+0.12	+0.03	+0.08	+53	+37	+52	**+279**	*-11*	-26	60	+606	106	105	107	101	101	100	104	80	103	107	109	102	**108**
Gex	US 3137878467	**Bomaz Damien Kanzo**		Brandvale Stoic	Josuper	55	**+261**	*-15*	64	+1239	+0.07	-0.12	-0.01	+60	+31	+56	**+270**	*-15*	-6	40	+726	107	106	104		106	100		64	95	102	114	98	**105**
Tot	NL 640930657	**Veneriete Viggo**		Supershot	Massey	67	**+261**	*+1*	72	+803	+0.07	-0.03	+0.02	+41	+25	+39	**+200**	*+4*	-23	59	+778	108	107	104	105	103	94	103	72	103	108	109	103	**108**
Alt	US 3142181439	**Peak Altafladon**		Jedi	Silver	59	**+260**	*+7*	68	+2191	-0.25	-0.02	-0.01	+66	+74	+99	**+472**	*+13*	-38	46	+443	104	103	104		106	103		68	100	104	108	96	**103**
ABS	US 3142332735	**Pine-Tree Defense**		Achiever	Damaris	53	**+260**	*+14*	61	+956	+0.52	+0.09	-0.01	+91	+42	+43	**+376**	*+19*	-10	38	+604	102	102	107	102		106		62	98	104	110	103	**107**
Sem	US 3014562212	**Sandy-Valley Piston**		Jedi	Balisto	59	**+260**	*+18*	68	+1414	+0.03	+0.02	+0.00	+63	+51	+64	**+361**	*+12*	-31	46	+654	107	104	102	101	105	100		68	99	104	113	96	**105**
Alt	CA 13024876	**Progenesis Altastark**		Topnotch	Jedi	53	**+260**	*n*	60	+1769	-0.35	-0.05	-0.01	+38	+56	+80	**+333**	*n*	-24	40	+643	105	106	108	103		102		63	100	104	115	94	**105**
AWE	DE 0358140082	**Connor**		Commander	Bookem	68	**+260**	*-5*	72	+1677	-0.22	-0.08	+0.13	+48	+50	+90	**+333**	*+15*	-33	59	+472	106	101	105	98	104	103	103	78	100	104	115	105	**111**
Sem	CA 12283318	**Westcoast Perseus**		Penmanship	Doorman	56	**+260**	*-8*	64	+968	+0.13	+0.16	+0.00	+54	+49	+44	**+328**	*+3*	-34	44	+686	106	106	103		102	100		67	99	104	110	98	**105**
ABS	US 3134408370	**De-Su 13761 Bolivia**		Bourbon	Supershot	56	**+260**	*+3*	65	+1663	-0.21	-0.11	-0.01	+49	+47	+75	**+318**	*+8*	-29	43	+752	108	102	105		103	99		67	99	104	111	100	**106**
Sem	CA 12719310	**Progenesis Heissenberg**		Fortune	Jedi	53	**+260**	*-4*	61	+1491	-0.08	-0.13	+0.00	+55	+39	+68	**+296**	*+26*	-62	39	+603	109	107	105		104	99		65	102	106	113	97	**107**
BGA	UK 726652700565	**Bb Dg Silver Surfer**		Silver	Supersire	68	**+260**	*+7*	72	+1376	-0.01	-0.11	+0.07	+58	+37	+70	**+295**	*+17*	-69	60	+589	107	103	105	99	104	99	104	72	104	108	110	106	**111**
Sem	CA 12789767	**Progenesis Pluto**		Fortune	Mr Oak Delco 57	54	**+260**	*-1*	63	+1384	-0.06	-0.09	+0.00	+53	+39	+63	**+290**	*+11*	-36	39	+519	107	107	106	99	103	101		65	100	104	111	101	**107**
STG	US 3126776429	**Edg Delta B52**		Mr Mogul Delta	Roylane Bookem	61	**+260**	*+5*	68	+545	+0.54	+0.12	-0.01	+74	+30	+24	**+286**	*+11*	+5	49	+579	107	104	106	100	107	101		71	102	104	110	103	**108**
Gex	CA 12652572	**Stantons Jed World Class**		Jedi	Modesty	57	**+260**	*-5*	66	+1149	-0.16	+0.00	+0.00	+33	+40	+52	**+249**	*-4*	-29	45	+629	107	109	106		106	103		67	96	105	115	97	**106**
Alt	US 3142181103	**Peak Altaingold**		Hotline	Supershot	54	**+259**	*-3*	63	+1741	-0.13	-0.04	+0.00	+60	+57	+79	**+383**	*+21*	-7	40	+421	102	104	106	103	105	100		64	98	102	110	103	**107**
Sem	CA 12719092	**Progenesis Dumbledore**		Superhero	Kingboy	54	**+259**	*-9*	62	+1889	-0.19	-0.14	+0.00	+60	+51	+86	**+361**	*-22*	-65	43	+722	105	102	105		104	102		65	104	103	115	100	**110**
Alt	US 3138125233	**Kp-Ack Altamorison**		Altarobson	Montross	51	**+259**	*+5*	58	+971	+0.44	+0.06	+0.00	+84	+40	+44	**+354**	*+48*	-30	39	+587	104	105	105	101		99		62	102	105	108	101	**106**
Alt	US 3145230125	**Peak Axl**		King Royal	Silver	55	**+259**	*-3*	63	+1379	+0.08	-0.02	-0.01	+67	+46	+62	**+348**	*+9*	-50	41	+584	104	101	108	98	103	108		65	101	103	117	104	**112**
Gex	US 3137661391	**Seagull-Bay Ahnder**		Achiever	Spruce-Haven St	53	**+259**	*+0*	61	+1543	+0.15	-0.15	+0.00	+81	+38	+70	**+347**	*+8*	+19	38	+691	103	102	105		102			62	97	104	106	104	**105**
Ves	IT 019991555379	**Cristella Scipione**		Supershot	Shamrock	59	**+259**	*-11*	67	+1605	-0.09	-0.12	+0.00	+59	+44	+73	**+326**	*-17*	-41	48	+749	103	107	107	106	105	99		69	105	105	104	100	**104**

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NVI wordt berekend als INET officieel is, ontbrekende fokwaarden gaan niet mee in NVI

Inet = 0,3*kg lactose + 2,1*kg vet + 4,1*kg eiwit

NVImelkdoel = 0,4*Inet +0,08*lvd +4,7*UGH +6,3*VRU +1,8*Uier +3,6*Beenwerk +1,8*GEB +2,7*KGH + 0,23*BVK
NVIdubbeldoel = 0,35*Inet +0,09*lvd +5,2*UGH +5,2*VRU +5,2*Uier +6*Beenwerk +2*GEB + 5,2* VLi

Perspublicatie stierindexen Zwartbont genomisch zonder dochters

December 2019

Ki Ai	Stiernummer Bull number	Stiernaam Bull name	Erf-fa Her-fa	Vader Sire	M-vader MGS	Bt Rel	NVI NVI	+/- +/-	Bt Rel	kgM kgM	%V %F	%E %P	%L %L	kgV kgF	kgE kgP	KgL KgL	INET INET	+/- +/-	BVK SFCM	Bt Rel	Lvd Lon	Ugh Udh	Vru Fer	Gin Cal	Geb DCE	KA Temp	MS MS	Kgh CLW	Bt Rel	F F	T DS	U U	B F&L	Ext T
Melkdoel Zwart							pnt			**Productie**							**€**		**€**						**Functioneel**						**Exterieur**			
Tot	NL 725756121	**Holbra Dg Charas**		Damaris	Mogul	65	**+259**	*+3*	71	+1098	+0.09	+0.08	-0.02	+56	+46	+48	**+321**	*-1*	+77	56	+670	100	106	103	104	104	99	102	71	94	98	112	97	**103**
GGI	IT 028990352947	**Simox**		Supershot	Let It Snow	67	**+259**	*-8*	72	+1587	-0.38	-0.01	+0.04	+28	+54	+77	**+303**	*-18*	-81	59	+675	106	104	104	99	106	103	104	72	108	109	111	103	**111**
K&L	FR 3516149449	**Lager Tual**		Supershot	Cashcoin	67	**+259**	*-9*	72	+1901	-0.65	-0.05	-0.03	+11	+61	+84	**+298**	*-3*	-66	59	+679	106	107	105	104	104	102	101	72	107	107	111	99	**108**
Sam	DE 0360215264	**Cbl Raven**		Gymnast	Icone	54	**+259**	*-31*	62	+807	+0.33	+0.05	-0.01	+66	+33	+36	**+285**	*-1*	-29	39	+594	105	106	104	100		100		62	101	105	114	103	**110**
Kam	NL 899002701	**De Vlog Alanda**		Regard	Snowfever Cd	65	**+259**	*-3*	72	+1401	-0.30	-0.07	+0.05	+29	+42	+69	**+254**	*+1*	+21	59	+712	107	101	105	103	101	103	105	72	98	102	111	104	**108**
Sem	CA 12371165	**Westcoast Yamaska**		Afterburner	Woodcrest Mogu	57	**+258**	*+0*	65	+1009	+0.36	+0.19	+0.00	+78	+54	+46	**+399**	*+0*	-36	44	+580	103	103	104	101	103	99		66	103	105	107	102	**106**
Sem	CA 12754561	**Westcoast Horizon**		Fortune	Bayonet	54	**+258**	*-2*	63	+1162	+0.15	+0.15	+0.00	+64	+55	+53	**+376**	*+19*	-85	39	+518	103	106	105	99	105	100		65	103	104	114	100	**109**
WWS	US 3131003289	**S-S-I Silver Spike**		Silver	Jacey	60	**+258**	*+6*	68	+1851	-0.18	-0.18	+0.00	+60	+45	+84	**+336**	*+6*	-49	49	+608	106	102	102	100	105	106		70	105	106	115	104	**112**
STG	US 3132351455	**St Gen Delta Rebel**		Mr Mogul Delta	Rubicon	56	**+258**	*+6*	64	+1268	+0.15	-0.04	-0.01	+69	+40	+57	**+326**	*+17*	+3	44	+646	103	102	105	100	105	108		67	98	104	116	103	**110**
SZO	IT 035990809751	**Vaye Royal Monfort**		Rodanas	Supersire	62	**+258**	*-1*	69	+865	+0.20	+0.06	+0.00	+56	+36	+39	**+277**	*-2*	+6	49	+668	109	104	107	105	102	95		71	96	104	109	99	**104**
Mas	DE 0358389006	**Palace**		Penley	Miles	66	**+258**	*+15*	72	+954	+0.15	-0.03	+0.02	+55	+30	+45	**+252**	*+22*	-33	56	+693	105	104	104	102	100	97	105	71	101	106	112	105	**110**
Sem	CA 12379999	**Progenesis Seducer**		Supershot	Defender	65	**+258**	*-10*	73	+1356	-0.16	-0.15	-0.01	+41	+32	+61	**+236**	*-1*	-39	54	+699	105	107	106	99	106	98		74	105	105	113	104	**111**
CRV	US 74701039	**No-Fla Max**		Josuper	Altaoak	67	**+257**	*-4*	72	+2032	-0.13	-0.10	-0.02	+72	+60	+91	**+425**	*+0*	+49	58	+393	103	105	104	101	103	103	99	72	94	102	105	96	**99**
Alt	US 3138498786	**Peak Altasnapchat**		Jedi	Supershot	59	**+257**	*-3*	67	+1792	-0.26	+0.03	-0.01	+49	+66	+81	**+398**	*-1*	+2	46	+631	107	103	106	109	105	98		70	97	104	105	93	**99**
Tot	US 3133371318	**Endco Charger**		Silver	Altaoak	60	**+257**	*+14*	69	+1835	-0.04	-0.18	-0.01	+74	+45	+83	**+365**	*+26*	-3	49	+566	103	102	107		104	109		72	101	105	111	102	**108**
WWS	US 3136807406	**S-S-I Franchise Benz**		Franchise	Montross	63	**+257**	*n*	71	+1266	-0.15	+0.04	-0.01	+39	+48	+57	**+296**	*n*	-1	50	+606	102	108	107	109	106	106		72	99	103	112	99	**106**
Sem	US 3137164039	**Regancrest Bluedevil**		Fortune	Josuper	54	**+257**	*-11*	63	+1617	-0.13	-0.22	-0.01	+55	+33	+73	**+273**	*+1*	-68	40	+675	110	105	109	101	103	97		65	103	104	116	96	**108**
Kam	NL 647266890	**Van De Peelsehoeve Nick**		Supershot	Snowman	65	**+256**	*-7*	72	+2120	-0.41	-0.10	+0.06	+46	+63	+103	**+386**	*-16*	-55	59	+613	104	102	104	100	102	99	104	72	104	107	103	103	**105**
Alt	US 3145229944	**Peak Altaruban**		Bandares	Rubicon	56	**+256**	*-6*	65	+1674	+0.06	-0.11	+0.00	+77	+47	+76	**+377**	*-8*	-47	42	+677	103	101	104	99	105	103		66	103	106	113	103	**110**
Kam	NL 681815388	**Poppe Feel Good**		Louxor	Denethor	61	**+256**	*+6*	70	+1086	+0.27	+0.13	-0.09	+73	+51	+41	**+375**	*+8*	-16	52	+430	104	101	104	102	103	100	102	71	101	103	109	106	**109**
Tot	US 3133064240	**Endco Arise**		Altaspring	Supersire	60	**+256**	*+9*	68	+1913	-0.36	-0.07	+0.00	+43	+59	+87	**+358**	*+7*	-31	48	+626	103	104	104	99	102	104		69	103	106	109	102	**108**
Tot	NL 711611234	**De Oosterhof Dg Helios**		Doorsopen	Tango	66	**+256**	*-4*	71	+1598	-0.11	-0.06	+0.01	+57	+50	+74	**+347**	*+6*	-24	57	+570	108	99	105	99	103	98	103	72	98	103	114	101	**108**
Dek	FR 4242543548	**Pommocum**		Baltikum	Mccutchen	67	**+256**	*-2*	72	+724	+0.49	+0.10	-0.01	+77	+35	+32	**+315**	*+9*	-57	58	+462	107	106	107	102	106	103	103	72	102	106	106	101	**105**
Ves	NL 595849688	**Mars Frassino**		Topgear	Missouri	54	**+256**	*-9*	60	+1793	-0.45	-0.09	-0.01	+29	+53	+81	**+303**	*+4*	-10	45	+607	106	103	106	98	99	95		65	97	103	105	106	**105**
CRV	US 3131003444	**S-S-I Modesty Trace**		Modesty	North-Echo Num	65	**+256**	*+12*	71	+822	+0.07	+0.09	-0.03	+42	+37	+35	**+250**	*+3*	+33	55	+492	103	106	107	103	102	106	103	71	91	99	112	104	**106**
Sem	CA 12900937	**Vogue Kingsize P**	PO	King Royal	Powerball P	54	**+255**	*-8*	62	+1438	+0.19	+0.11	-0.01	+81	+61	+65	**+440**	*+0*	+6	40	+404	100	102	105	97	104	105		63	99	102	115	99	**107**
WWS	US 3141657416	**Blumenfeld Altacounsell**		Altacraig	Silver	54	**+255**	*+3*	63	+886	+0.31	+0.15	+0.00	+68	+45	+40	**+339**	*+4*	-55	39	+607	104	104	102	105	105	103		64	100	106	114	103	**110**
Tot	NL 707440686	**R Dg Niels**		Damaris	Numero Uno	66	**+255**	*+25*	71	+1109	+0.07	+0.04	+0.01	+54	+43	+52	**+305**	*+32*	+6	57	+666	104	104	106	102	102	100	104	71	100	103	111	98	**105**
CRV	US 3132426438	**Peak Fanning**		Edg Mogul Ruge	Supersire	65	**+255**	*-7*	71	+1130	+0.11	+0.01	-0.01	+59	+40	+51	**+303**	*-6*	-2	55	+609	105	104	110	102	104	96	101	71	99	103	107	101	**104**
ABS	US 3128557435	**Abs Mirage**		Clear-Echo Delf	Balisto	56	**+255**	*-7*	64	+804	+0.12	+0.16	-0.01	+46	+43	+36	**+284**	*-26*	+7	43	+654	109	102	106	103	102	102		66	97	101	110	101	**105**
STG	US 3135087360	**Lexvold Ss Cahill**		Supershot	Montross	64	**+255**	*-2*	73	+2065	-0.56	-0.25	+0.00	+27	+45	+94	**+269**	*-8*	-38	53	+843	107	104	101		106	97		74	102	105	116	100	**110**
Dek	FR 4242382047	**Pom Lono**		Danno	Cabaret	67	**+255**	*+6*	72	+802	+0.02	+0.13	-0.04	+36	+40	+33	**+250**	*+4*	-93	59	+511	106	107	105	97	102	95	104	73	106	108	108	108	**111**
Alt	US 3144883112	**Siemers Healer**		King Doc	Monterey	54	**+254**	*+0*	62	+1963	-0.10	-0.13	-0.01	+73	+54	+89	**+401**	*-3*	-46	40	+543	102	103	104	98	104	101		64	101	104	112	101	**108**
STG	US 3146082139	**Kings-Ransom I Degree**		Imax	Mr Mogul Delta	59	**+254**	*-10*	66	+2117	-0.26	-0.15	-0.01	+62	+58	+96	**+397**	*+16*	-21	46	+745	102	99	105	100	105	107		69	103	105	110	103	**109**
Alt	US 3145229871	**Peak Altaorinoco**		Eldorado	Denver	54	**+254**	*+10*	62	+1354	+0.17	+0.07	-0.01	+75	+54	+61	**+397**	*+17*	-1	39	+582	103	103	105	104		105		62	99	102	108	98	**103**
AWE	DE 0667131219	**Hlb Armani P**		Adagio-P	Milford-P	58	**+254**	*+0*	66	+1431	+0.17	+0.02	+0.00	+78	+52	+65	**+397**	*+31*	-20	46	+456	104	103	104	100	102	102		67	103	103	108	101	**106**
	NL 685696174	**Koepon Altavix P**	PO	Hologram-P	Supershot	55	**+254**	*n*	63	+1968	-0.09	-0.17	-0.01	+74	+50	+89	**+387**	*n*	+5	40	+760	104	100	105	99	104	100		62	101	102	107	99	**104**
LIV	US 3132348492	**Mr Spring Nightsky**		Altaspring	Numero Uno	66	**+254**	*+7*	73	+1739	-0.04	-0.16	+0.00	+70	+44	+79	**+351**	*+2*	-8	54	+592	102	105	105	99	103	99		75	100	105	110	100	**106**
CRV	US 3129104036	**Saintville Montana Sky**		Montana	Supersire	65	**+254**	*-4*	71	+842	+0.33	+0.07	-0.01	+68	+36	+37	**+302**	*+6*	-12	54	+610	105	106	108	99	108	105	101	71	103	105	109	98	**105**
Kam	NL 654340846	**De Pettershoeve Jetbead**		Jetset	G-Force	64	**+254**	*+4*	72	+446	+0.50	+0.24	+0.02	+65	+38	+22	**+299**	*+19*	-3	58	+522	105	103	102	105	100	96	105	72	104	105	111	104	**110**
Sem	CA 12648602	**Progenesis Sharing**		Franchise	Altaspring	56	**+254**	*+3*	65	+1524	-0.29	-0.21	+0.00	+35	+31	+69	**+221**	*+13*	-70	43	+770	106	108	106		103	102		67	101	106	111	103	**109**
CRV	NL 669713332	**Slob Advisor**		Atlantic	Mogul	69	**+254**	*+19*	72	+810	-0.16	-0.02	+0.02	+19	+26	+39	**+158**	*+5*	+6	63	+597	108	103	109	103	103	102	107	83	100	105	110	109	**111**
ABS	US 3141494407	**Abs Zebedee**		Spectre	Mr Mogul Delta	55	**+253**	*+5*	64	+1559	+0.18	+0.02	+0.00	+85	+56	+71	**+429**	*+12*	-39	39	+564	100	102	107	97		103		65	102	105	111	100	**107**
ABS	US 3135245775	**Abs Moroccan**		Skyfall	Silver	56	**+253**	*+0*	64	+1368	+0.35	-0.03	+0.00	+94	+45	+62	**+401**	*-21*	-25	42	+445	104	101	104	97	105	104		68	100	104	111	103	**108**
Alt	US 3142181434	**Peak Altamilestone**		Jedi	Silver	59	**+253**	*-2*	68	+1603	-0.15	+0.02	+0.00	+53	+58	+73	**+371**	*+1*	-11	45	+543	105	103	104	104	106	101		69	101	104	114	97	**107**
Alt	US 3149334898	**Peak Altajockey**		Jedi	Modesty	57	**+253**	*+10*	65	+1553	-0.20	+0.00	-0.01	+45	+54	+70	**+337**	*+7*	-16	45	+552	104	106	106	103	105	103		68	99	105	114	96	**106**
CRV	US 3135087163	**Peak Lavish**		Altastratify	Massey	66	**+253**	*+4*	71	+1490	-0.27	-0.04	+0.02	+36	+48	+70	**+293**	*+9*	-13	58	+748	106	105	100	98	103	99	103	71	99	104	108	99	**104**
Alt	US 3138498720	**Peak Altaoscar**		Peak Altakermit	Woodcrest Mogu	55	**+253**	*-4*	64	+1916	-0.41	-0.31	+0.00	+38	+34	+87	**+245**	*-11*	-40	39	+628	104	108	107		102	99		66	102	106	110	104	**109**
WWS	US 3130010605	**De-Su Curry 13360**		Jedi	Supersire	64	**+252**	*n*	72	+1490	+0.05	+0.05	-0.01	+69	+57	+67	**+399**	*n*	-26	51	+597	107	104	106		108	104		73	101	105	106	92	**100**
Sem	CA 12719007	**Progenesis Daytona**		Granite	Kingboy	55	**+252**	*-1*	64	+1891	-0.14	-0.17	+0.00	+66	+48	+86	**+361**	*+14*	-52	41	+712	103	100	107	98	105	101		66	103	104	116	102	**111**
Alt	NL 922688160	**Peak Altakatch**		Altaspring	Supersire	58	**+252**	*+31*	65	+1789	-0.09	-0.16	-0.01	+67	+45	+81	**+350**	*+37*	-16	48	+647	106	104	107	103	103	100		69	100	106	105	97	**102**
STG	US 3133064211	**T-Gen-Ac Dixie Edward**		Entail	Day	56	**+252**	*-2*	63	+1800	-0.14	-0.15	+0.00	+62	+47	+82	**+348**	*+6*	-45	45	+713	105	101	107	101	102	97		67	101	105	113	100	**108**
CRV	US 3132413744	**Rolindacres Calder**		Damaris	Altajohnson	66	**+252**	*+15*	71	+1103	+0.12	+0.05	+0.02	+59	+43	+52	**+316**	*+17*	+19	56	+629	106	104	103	103	102	98	103	70	95	100	112	95	**102**
Sam	IE 141586741132	**Dock Conor Et**		Supershot	Mogul	59	**+252**	*-13*	66	+1489	-0.24	-0.07	-0.01	+39	+45	+67	**+287**	*-19*	-5	48	+715	105	104	106	102	105	103		69	97	105	110	101	**106**
AWE	DE 0359171051	**Bali P**	PO	Battlecry	Jacey	67	**+252**	*+7*	71	+724	+0.18	+0.02	+0.00	+48	+27	+33	**+221**	*+29*	-1	58	+610	108	107	103	102	104	103	101	72	101	102	116	99	**109**
CRV	NL 754797988	**Delta Leader P**	RF PO	Rafter P Rf	Balisto	67	**+252**	*-32*	72	-103	+0.38	+0.34	-0.04	+29	+26	-8	**+165**	*-58*	+26	58	+671	107	105	104	105	101	98	107	72	90	98	108	106	**104**
Sem	CA 109603329	**Lesperron Successor**	RF	Jedi	Kingboy	58	**+251**	*+13*	67	+1808	-0.26	-0.03	+0.00	+49	+60	+82	**+374**	*+27*	-48	45	+595	106	105	105		105	96		70	102	105	110	94	**103**
Kam	NL 929184881	**Timmer Gallup**		Silver	Bookem	65	**+251**	*+28*	72	+1496	-0.03	-0.04	+0.10	+61	+48	+78	**+348**	*+40*	-33	60	+574	104	101	106	98	101	99	102	72	104	105	110	104	**109**
Alt	US 3138498825	**Peak Exeter**		Bourbon	Altaspring	57	**+251**	*-14*	66	+1433	+0.07	-0.13	+0.00	+68	+37	+65	**+314**	*+3*	-54	43	+689	106	105	106		104	101		67	101	105	109	99	**105**
CRV	US 3010086798	**Kp-Ack Strategy**		Altastratify	Altaembassy	66	**+251**	*+1*	71	+897	+0.32	+0.03	-0.06	+69	+34	+35	**+295**	*-2*	+37	57	+543	104	106	103	104	104	100	103	71	101	106	106	100	**104**
Tot	US 3137661286	**Seagull-Bay R Sergio**		Fairmont Stoic	Mr Mogul Delta	54	**+251**	*+9*	62	+1704	-0.34	-0.12	-0.01	+37	+47	+77	**+294**	*+4*	-19	39	+705	106	103	104	103		101		65	101	104	113	101	**108**

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NVI wordt berekend als INET officieel is, ontbrekende fokwaarden gaan niet mee in NVI

Inet = 0,3*kg lactose + 2,1*kg vet + 4,1*kg eiwit

NVImelkdoel = 0,4*Inet +0,08*lvd +4,7*UGH +6,3*VRU +1,8*Uier +3,6*Beenwerk +1,8*GEB +2,7*KGH + 0,23*BVK
NVIdubbeldoel = 0,35*Inet +0,09*lvd +5,2*UGH +5,2*VRU +5,2*Uier +6*Beenwerk +2*GEB + 5,2* VLi

Perspublicatie stierindexen Zwartbont genomisch zonder dochters

December 2019

Ki Ai	Stiernummer Bull number	Stiernaam Bull name	Erf-fa Her-fa	Vader Sire	M-vader MGS	Bt Rel	NVI NVI	+/- +/-	Bt Rel	kgM kgM	%V %F	%E %P	%L %L	kgV kgF	kgE kgP	KgL KgL	INET INET	+/- +/-	BVK SFCM	Bt Rel	Lvd Lon	Ugh Udh	Vru Fer	Gin Cal	Geb DCE	KA Temp	MS MS	Kgh CLW	Bt Rel	F F	T DS	U U	B F&L	Ext T
Melkdoel Zwart							pnt			**Productie**							**€**		**€**				**Functioneel**						**Exterieur**				
	US 3132426398	**Peak Altadagger**		Bayonet	Distinction	56	**+251**	*n*	63	+1232	-0.12	-0.01	+0.00	+40	+42	+56	**+273**	*n*	-5	44	+722	104	106	103	101	103	104		65	102	103	111	101	**107**
Kam	NL 672732294	**Kik Barbaros**		Balisto	Sudan	65	**+251**	*+10*	72	+123	+0.58	+0.29	-0.02	+57	+30	+4	**+244**	*+23*	-8	60	+668	107	106	101	106	103	98	102	72	101	100	107	103	**106**
CRV	NL 844352916	**Delta Healer**	RF	Bolt Rf	Snowman	69	**+251**	*+7*	72	+558	+0.31	-0.09	-0.03	+53	+11	+23	**+163**	*-11*	-34	68	+569	110	105	105	101	112	97	105	83	101	104	112	107	**111**
Alt	US 3133065179	**Mr Monster**		Jedi	Bombero	58	**+250**	*+13*	67	+2485	-0.44	-0.10	+0.00	+56	+75	+113	**+459**	*+18*	-51	45	+488	104	102	104		104	97		70	103	105	108	96	**104**
Mas	DE 0357795060	**Gloryday**		Genestar	Supersire	65	**+250**	*-3*	71	+1912	-0.11	-0.07	+0.03	+70	+59	+90	**+416**	*+10*	+8	57	+635	103	97	104	98	101	104	100	71	103	103	110	103	**108**
Tot	NL 758140357	**R Dg Nikkelback**		Missouri	Numero Uno	66	**+250**	*-1*	72	+1868	-0.35	-0.07	+0.01	+42	+58	+86	**+352**	*+10*	+63	58	+420	104	106	106	102	104	102	101	72	99	103	109	93	**101**
Alt	US 3138498904	**Peak Altacowboy**		Brown-Star Tuff	Kingboy	55	**+250**	*-9*	63	+1977	-0.42	-0.19	+0.00	+39	+48	+90	**+306**	*-1*	-36	41	+694	104	104	106		101	99		65	101	103	110	102	**107**
Alt	US 3135331884	**Higherransom Altasith**		Jedi	Roylane Booken	58	**+250**	*n*	67	+1545	-0.35	-0.01	+0.00	+30	+53	+70	**+301**	*n*	-8	46	+565	109	105	105		105	97		69	95	103	112	95	**103**
Sem	CA 109603328	**Lesperron Santorius**	RF	Jedi	Kingboy	59	**+249**	*+4*	68	+1888	-0.28	-0.05	+0.00	+50	+61	+86	**+381**	*+23*	-55	45	+588	105	105	105	99	105	96		68	102	105	111	94	**104**
Gex	US 3137164163	**Regan-Danhof Gamechanger**		Modesty	Jedi	57	**+249**	*-2*	65	+1317	+0.13	-0.05	+0.00	+69	+41	+60	**+331**	*-14*	+4	44	+446	104	104	108	105	104	104		67	96	103	110	101	**105**
Mas	DE 1405093095	**Misnia Holsteins Kingdom**		Kingpin	Headliner	67	**+249**	*+24*	71	+1670	-0.22	-0.12	+0.05	+48	+46	+81	**+314**	*+28*	-55	57	+709	108	104	102	97	106	103	100	72	103	107	117	95	**108**
Sem	CA 12529221	**Progenesis Takeover**		Brodie	Troy	61	**+249**	*+15*	69	+1236	-0.02	+0.02	+0.00	+51	+45	+56	**+308**	*+18*	+1	49	+744	105	101	106		108	103		71	99	103	112	101	**107**
Sem	CA 12549522	**Stantons Fountain**		Jett	Mccutchen	57	**+249**	*+0*	65	+1337	-0.06	-0.08	-0.01	+51	+39	+60	**+285**	*+3*	-42	43	+521	106	107	106	103	107	103		67	103	106	115	98	**109**
Sem	CA 12283286	**Westcoast Lighthouse**		Altaspring	Distinction	60	**+249**	*+6*	68	+1305	-0.03	-0.09	-0.01	+53	+36	+59	**+277**	*+6*	-47	48	+743	102	107	104	96	101	99		71	107	106	114	101	**111**
CRV	NL 666179810	**Delta Fair PP**	PP	Rafter P Rf	Ohare-P	66	**+249**	*-14*	71	+1065	-0.27	-0.03	+0.07	+19	+34	+55	**+196**	*-5*	-6	58	+628	108	103	100	105	102	94	107	72	98	105	110	108	**110**
STG	US 3126775186	**Farnear Delta Pro 31181**		Mr Mogul Delta	Shema Jeeves Ca	55	**+249**	*+6*	63	+1182	-0.07	-0.21	-0.01	+43	+20	+53	**+188**	*-2*	+16	44	+849	107	107	105		106	105		65	98	103	109	100	**105**
CRV	US 3130001832	**Intense-Com Sutton**		Bourbon	Supershot	54	**+248**	*-2*	62	+2155	-0.50	-0.12	+0.00	+37	+62	+98	**+361**	*-8*	-58	42	+658	104	104	104	100	104	100		65	103	104	107	100	**105**
Alt	US 3014562353	**Sandy-Valley Altaadmiral**		Flagship	Kingboy	56	**+248**	*-8*	65	+1327	+0.15	-0.02	-0.01	+72	+44	+60	**+350**	*-6*	-21	43	+620	105	106	105		105	98		68	103	104	108	94	**103**
CRV	NL 642172631	**Delta Revisor P**	PO	Finder	Sundance	67	**+248**	*-2*	72	+610	+0.30	+0.31	+0.12	+54	+50	+39	**+330**	*+9*	-87	58	+561	104	104	105	96	104	101	106	72	105	106	106	103	**107**
Sem	CA 12529327	**Progenesis Topnotch**		Jedi	Lottomax	59	**+248**	*+1*	68	+1559	-0.24	-0.05	+0.00	+42	+49	+71	**+310**	*+11*	-36	45	+674	107	105	105	97	107	100		70	99	106	113	95	**105**
Alt	US 74210065	**Hilmar Altarockit**		De-Su Altaleaf	Supersire	56	**+248**	*n*	64	+1575	-0.11	-0.17	-0.01	+56	+37	+71	**+291**	*n*	-35	43	+683	109	102	106		105	102		66	104	103	107	102	**106**
GGI	DE 1603800081	**Mineral PP**	RF PP	Milford-P	Balisto	67	**+248**	*+9*	71	+455	+0.51	+0.21	-0.07	+66	+35	+14	**+286**	*+17*	+30	56	+489	105	104	105	104	101	102	101	72	101	102	111	102	**107**
Kam	NL 584593572	**Koepon Powerset**		Jetset	Bookem	64	**+248**	*+12*	72	+405	+0.40	+0.21	+0.10	+54	+33	+28	**+257**	*-14*	-8	58	+593	107	103	105	101	105	100	103	72	99	101	115	101	**108**
ABS	US 73953502	**Bomaz Daredevil**		Damaris	Altawiseman	56	**+248**	*+9*	64	+879	+0.22	-0.02	+0.00	+59	+29	+40	**+255**	*-15*	+13	43	+712	105	105	105	102		100		65	100	102	110	101	**106**
CRV	US 3142710599	**Maplehurst Eagle**		Spectre	Josuper	64	**+247**	*+10*	70	+2422	-0.10	-0.26	+0.00	+92	+55	+111	**+452**	*+8*	+34	52	+461	102	99	105	104	107	106	100	69	101	104	107	99	**104**
Alt	US 3142181231	**Peak Altamaui**		Montana	Rubicon	56	**+247**	*+28*	64	+1670	+0.10	-0.08	+0.00	+82	+50	+76	**+400**	*+22*	-46	42	+547	103	102	104	100	103	103		68	102	106	111	100	**107**
	NL 743560812	**Neerduist Dg Harvest**		Pure	Jacey	66	**+247**	*-8*	71	+1792	-0.11	-0.10	+0.07	+65	+52	+89	**+376**	*-13*	+20	57	+506	101	104	101	104	102	103	102	72	98	103	108	100	**104**
ABS	NL 677776684	**K&l Dh Clinton**		Superhero	Silver	55	**+247**	*-31*	64	+1109	+0.20	+0.08	-0.01	+67	+47	+50	**+348**	*-25*	-40	43	+616	101	104	103	97	106	109		66	101	105	112	103	**109**
Alt	US 3131664081	**Peak Altabombast**		Boastful	Montross	59	**+247**	*+14*	67	+1440	-0.09	-0.08	-0.01	+52	+42	+65	**+301**	*+36*	-41	46	+703	107	104	104	101	105	100		69	102	105	110	99	**106**
ABS	DE 0359686734	**Abs Coronet**		Kerrigan	Tribune	57	**+247**	*+16*	66	+1529	-0.24	-0.12	-0.01	+40	+41	+69	**+273**	*+3*	-13	43	+733	105	103	106	99	102	102		68	102	102	116	100	**109**
Alt	US 3129037624	**Ihg Caine**		Supershot	Mccutchen	65	**+247**	*+3*	73	+987	+0.02	+0.05	+0.00	+44	+39	+45	**+266**	*+5*	-69	54	+719	105	106	104	103	103	100		74	104	105	111	103	**109**
CRV	DK 04320314923	**Vh Roenhave Rodgers Rome**		Rodgers	Vh Anderstrup M	66	**+247**	*-6*	71	+534	+0.08	+0.11	+0.04	+30	+29	+28	**+190**	*+0*	+19	57	+462	106	109	111	107	101	102	102	71	94	100	109	101	**104**
CRV	NL 687206379	**Delta Jupiler**		Amigo	Snowfever Cd	69	**+247**	*-94*	72	+916	-0.31	+0.02	+0.00	+9	+34	+42	**+171**	*-107*	-59	60	+510	105	110	105	108	100	101	108	81	103	106	111	104	**110**
Mas	NL 751812240	**Montaro Et**		Montross	Numero Uno	67	**+246**	*+10*	72	+2201	-0.13	-0.12	+0.01	+79	+64	+102	**+459**	*+28*	+39	58	+510	102	100	101	99	108	103	102	72	106	104	104	97	**103**
CRV	NL 590721134	**Barnkamper Sylvester**		Silver	Bookem	68	**+246**	*+23*	72	+2065	-0.36	-0.15	+0.07	+49	+56	+102	**+363**	*+8*	-93	60	+576	105	101	103	96	103	99	102	72	105	105	112	104	**111**
AWE	IT 019991671551	**Go-Farm Munari**		Hotline	Dozer	53	**+246**	*-27*	60	+1613	-0.04	-0.06	-0.01	+65	+50	+73	**+363**	*-15*	-39	39	+444	104	100	105	99	103	101		64	101	103	112	107	**111**
Sem	CA 12648638	**Progenesis Webster-P**	RF PO	Franchise	Mr Mogul Delta	61	**+246**	*+9*	70	+1700	-0.20	-0.09	-0.01	+51	+50	+77	**+335**	*+21*	-25	49	+512	103	104	107		106	101		70	99	105	112	101	**107**
Tot	DE 0539782148	**Col Dg Maximus**		Montana	Supershot	57	**+246**	*+7*	65	+1188	+0.12	+0.04	+0.00	+63	+45	+54	**+333**	*+9*	-31	43	+637	105	103	106	102	105	101		67	102	104	109	100	**106**
Mas	DE 0666761983	**Ironboy**		Icone	Meridian	65	**+246**	*-5*	71	+1078	+0.06	+0.10	+0.01	+52	+47	+50	**+317**	*-8*	-4	58	+412	105	104	103	95	102	105	103	72	106	106	116	99	**111**
STG	US 3130641525	**Stantons Escape**		Altaspring	Day	58	**+246**	*+7*	66	+1709	-0.21	-0.20	-0.01	+51	+39	+77	**+290**	*+9*	-35	48	+640	104	104	104		100	102		70	101	105	114	103	**110**
Kam	NL 752498647	**Primera**		Silver	Big Winner	65	**+246**	*-1*	72	+636	+0.23	+0.02	+0.00	+49	+24	+29	**+210**	*+5*	+14	60	+780	107	101	102	98	103	100	105	72	102	105	112	105	**110**
Sem	CA 109148559	**Dudoc Stetson P**	BY PO	Superman	Mccutchen	56	**+245**	*+8*	64	+1637	+0.07	-0.03	-0.01	+77	+54	+74	**+405**	*+15*	-66	44	+524	103	103	105		104	101		66	101	104	108	100	**105**
BGA	NL 753744130	**Akilia Kiwi**		Kingboy	Snowman	67	**+245**	*+5*	72	+1937	+0.04	-0.18	-0.05	+87	+48	+83	**+404**	*+23*	-20	59	+545	105	100	105	100	103	95	101	72	103	104	107	99	**105**
Alt	US 3142181155	**Peak Altalansing**		Bourbon	Rubicon	57	**+245**	*+8*	67	+2045	-0.27	-0.11	+0.00	+58	+59	+93	**+392**	*+10*	-13	43	+577	102	102	105		105	104		68	98	106	110	99	**105**
Sem	CA 12434621	**Progenesis Flirt**		Bayonet	Kingboy	57	**+245**	*+13*	65	+1513	-0.04	-0.05	+0.00	+60	+48	+69	**+344**	*+20*	-34	44	+647	100	104	105		103	102		66	103	103	112	102	**109**
WWS	US 3014562176	**Sandy-Valley J Pharo**		Jedi	Balisto	64	**+245**	*+4*	72	+1510	-0.13	-0.03	-0.01	+51	+50	+68	**+333**	*+14*	-39	52	+624	108	101	103	103	106	99		73	101	104	118	97	**109**
Tot	US 3139951896	**Speek-Nj R Alterego**		Abs Raiden	Kingboy	55	**+245**	*+17*	64	+1538	+0.00	-0.11	+0.00	+65	+42	+70	**+330**	*+25*	-49	40	+727	104	103	108	99	103	100		66	105	105	110	99	**107**
Alt	US 3133064618	**Endco Aloha Rc**	RF	Chevalier	Supersire	58	**+245**	*-11*	66	+1358	+0.13	-0.09	-0.01	+71	+38	+61	**+323**	*-2*	-20	46	+644	107	102	104		105	99		69	105	105	109	100	**107**
CRV	US 3127297182	**Ladys-Manor Sonar**		Altaspring	Supersire	67	**+245**	*-7*	72	+1387	+0.03	-0.09	+0.02	+62	+39	+65	**+310**	*-6*	+7	59	+596	106	102	108	103	104	101	102	72	104	106	104	101	**105**
Tot	NL 721545936	**Hul-Stein Conqueror**		Armour	Platinum	57	**+245**	*n*	65	+1032	+0.13	+0.04	+0.00	+57	+40	+47	**+298**	*n*	-47	42	+651	105	106	106	105	102	99		66	100	105	105	101	**104**
STG	US 3132350147	**St Gen Director Chairman**		Mr Pre Director	Mardi Gras	55	**+245**	*+8*	63	+472	+0.50	+0.18	-0.01	+66	+33	+21	**+280**	*+16*	-1	42	+662	102	107	105		106	106		65	97	102	112	99	**105**
Sem	CA 12754531	**Westcoast Gunmetal**		Jedi	Tango	57	**+244**	*+1*	64	+2171	-0.39	-0.07	+0.00	+50	+68	+99	**+414**	*+3*	-12	45	+376	105	103	107	103	106	99		68	98	104	106	96	**101**
OBS	DE 0359296839	**Bonus**		Board	Bookem	66	**+244**	*-5*	71	+2562	-0.57	-0.21	+0.05	+44	+66	+122	**+400**	*-19*	-69	57	+659	104	98	104	99	102	101	103	72	106	105	110	102	**109**
WWS	US 3126756168	**Aot Silver Hitest 5945**		Silver	Supersire	61	**+244**	*+29*	69	+1347	+0.17	+0.01	+0.00	+75	+48	+61	**+373**	*+31*	+7	50	+400	103	102	105		105	103		71	98	103	112	101	**107**
Gex	US 3132117304	**Pine-Tree Gated Hydro**		Gatedancer	Tango	54	**+244**	*+1*	62	+1210	+0.12	+0.11	+0.00	+63	+53	+55	**+366**	*+24*	+6	40	+336	104	104	104		103	97		64	99	103	110	100	**105**
Sem	CA 12648512	**Progenesis Denmark**		Jedi	Kingboy	58	**+244**	*+10*	66	+1865	-0.22	-0.10	+0.00	+56	+54	+85	**+365**	*+1*	-53	46	+619	105	103	104	101	105	100		68	101	104	116	95	**107**
Tot	NL 711611018	**De Oosterhof Lifeterey**		Monterey	Supersire	60	**+244**	*+7*	68	+1263	+0.02	+0.01	-0.01	+56	+45	+57	**+319**	*+10*	-23	48	+727	103	103	108	101	106	100		71	99	104	111	99	**106**
	US 3129037813	**T-Gen-Ac Kb Kingstar**		Kingboy	Day	64	**+244**	*+9*	72	+1663	-0.26	-0.11	-0.01	+44	+47	+75	**+308**	*+7*	-24	53	+606	105	104	107			102		75	101	104	113	98	**107**
Mas	DE 0770405805	**Battleship**		Battlecry	Anton	66	**+244**	*+21*	71	+955	+0.19	+0.08	+0.03	+59	+41	+46	**+306**	*+22*	-18	57	+658	106	102	100	101	104	101	100	72	98	103	114	102	**108**
Sem	CA 12283285	**Westcoast Galahad**		Penmanship	Jacey	58	**+244**	*+9*	65	+1012	+0.05	+0.09	+0.00	+48	+44	+46	**+295**	*+5*	-75	45	+641	106	105	103	101	104	103		69	104	105	111	102	**109**
Alt	US 3134407072	**Peak Altajuarez**		Altamoreno	Jabir	56	**+244**	*+8*	65	+1115	+0.04	-0.01	-0.01	+51	+38	+50	**+278**	*+6*	-33	43	+625	102	106	106	101	103	102		66	102	106	110	104	**109**

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NVI wordt berekend als INET officieel is, ontbrekende fokwaarden gaan niet mee in NVI

Inet = 0,3*kg lactose + 2,1*kg vet + 4,1*kg eiwit

NVImelkdoel = 0,4*Inet +0,08*lvd +4,7*UGH +6,3*VRU +1,8*Uier +3,6*Beenwerk +1,8*GEB +2,7*KGH + 0,23*BVK
NVIdubbeldoel = 0,35*Inet +0,09*lvd +5,2*UGH +5,2*VRU +5,2*Uier +6*Beenwerk +2*GEB + 5,2* VLi

Perspublicatie stierindexen Zwartbont genomisch zonder dochters

December 2019

Ki Ai	Stiernummer Bull number	Stiernaam Bull name	Erf-fa Her-fa	Vader Sire	M-vader MGS	Bt Rel	NVI NVI	+/- +/-	Bt Rel	kgM kgM	%V %F	%E %P	%L %L	kgV kgF	kgE kgP	KgL KgL	INET INET	+/- +/-	BVK SFCM	Bt Rel	Lvd Lon	Ugh Udh	Vru Fer	Gin Cal	Geb DCE	KA Tem	MS MS	Kgh CLW	Bt Rel	F F	T DS	U U	B F&L	Ext T
Melkdoel Zwart							pnt			**Productie**							€		€					**Functioneel**						**Exterieur**				
Tot	DE 0539386380	**Col Dg Chemp**		Chevalier	Tango	59	**+244**	*+4*	67	+1477	-0.15	-0.13	+0.00	+47	+38	+67	**+275**	*+11*	-17	47	+562	106	104	108	104	104	100		68	101	104	106	104	**106**
GGI	DE 0538821032	**Ibsen**		Icone	Balisto	66	**+243**	*+13*	71	+1553	+0.07	-0.02	+0.04	+73	+52	+75	**+389**	*+15*	-5	58	+693	103	100	100	98	105	105	101	72	102	106	113	98	**107**
Alt	US 3135301224	**Ronelee Altadroid**		Jedi	Balisto	58	**+243**	*+1*	66	+1912	-0.27	-0.09	+0.00	+52	+57	+87	**+369**	*+3*	-14	46	+650	105	104	105	101	106	103		69	99	103	108	93	**101**
SZO	IT 012990080053	**Ceresio Inseme Antani**		Brasileiro	Lochinvar	60	**+243**	*-3*	68	+1012	+0.39	+0.08	+0.00	+81	+43	+46	**+360**	*+1*	+19	47	+549	103	101	102	104	104	102		70	98	102	111	102	**107**
Alt	US 3142181436	**Peak Altabentley**		Jedi	Silver	58	**+243**	*+6*	66	+1652	-0.18	-0.07	+0.00	+52	+50	+75	**+337**	*+18*	-37	45	+579	107	102	106	101	105	98		68	98	104	114	97	**106**
Sem	CA 12789794	**Progenesis Greatlakes**		Outlast	Mr Mogul Delta	54	**+243**	*-12*	62	+1947	-0.16	-0.24	-0.01	+66	+42	+88	**+337**	*-27*	-37	40	+509	104	103	103	103	104	102		65	104	105	112	103	**110**
ABS	UK 706042604277	**Denovo Julep**		Jett	Racer	55	**+243**	*-4*	63	+1605	-0.32	-0.02	+0.00	+35	+54	+73	**+317**	*+7*	-36	42	+510	104	106	108	104	107	102		65	102	104	113	97	**107**
Adv	BE 512450560	**Delana Morrison**		Montross	Altaiota	65	**+243**	*+3*	72	+1537	-0.25	-0.15	+0.12	+40	+38	+83	**+265**	*+8*	-34	59	+631	105	107	104	104	103	103	102	79	102	106	114	97	**107**
STG	CA 12021623	**Stantons Mont Michigan**		Monterey	Mccutchen	62	**+243**	*+8*	70	+944	+0.12	+0.00	+0.00	+52	+33	+43	**+257**	*-5*	-43	49	+661	104	105	107	99	106	103		72	101	103	115	102	**110**
STG	US 3128769150	**Stantons Capone 3501**		Supershot	Mogul	61	**+243**	*+2*	69	+1336	-0.23	-0.14	-0.01	+34	+32	+60	**+221**	*+16*	-51	50	+736	106	106	105		105	97		71	102	106	112	103	**109**
Tot	NL 751486982	**Peak Exotic Yoder 8698**		Woodcrest Mogu	Supersire	57	**+243**	*n*	65	+499	+0.37	-0.07	-0.01	+56	+11	+22	**+169**	*n*	+10	44	+823	106	106	110	103	105	104		67	98	104	109	102	**106**
GGI	DE 0816321782	**Baku**		Battlecry	Boss	66	**+243**	*+9*	71	+79	+0.10	+0.14	+0.00	+12	+15	+4	**+88**	*+17*	-10	57	+651	108	111	103	99	106	95	101	72	99	104	116	104	**111**
CRV	US 3131664060	**Peak Barkley**		Superman	Tango	62	**+242**	*+34*	71	+1954	-0.20	-0.02	-0.02	+62	+66	+87	**+427**	*+43*	-4	55	+448	101	104	104	101	105	107	99	71	96	102	107	97	**101**
Tot	NL 747281551	**Dg Albero Eldrick**		Altaspring	Supersire	67	**+242**	*+11*	72	+1417	+0.04	+0.08	+0.00	+64	+58	+65	**+392**	*+11*	+57	59	+340	102	101	106	99	103	101	102	72	100	104	107	100	**104**
WWS	US 3127565651	**Clear-Echo Jed Jared 745**		Jedi	Kingboy	59	**+242**	*+3*	68	+1562	-0.18	-0.04	+0.00	+48	+50	+71	**+327**	*+16*	-19	45	+573	105	107	106	102	105	99		69	100	104	111	92	**102**
STG	US 3134167086	**Hartford Rubi-Taz**		Rubicon	Altaoak	64	**+242**	*+14*	72	+1352	+0.14	-0.09	-0.01	+72	+38	+61	**+325**	*+14*	-40	52	+577	102	103	106		105	103		73	102	106	108	106	**109**
Tot	NL 964579781	**Dg Albero Express**		Wickham	Supersire	60	**+242**	*n*	68	+1839	-0.21	-0.19	-0.01	+56	+44	+83	**+323**	*n*	-34	48	+662	105	103	105	98	105	100		70	103	106	109	100	**107**
Alt	US 3132991895	**G-Deruyter Altatnt**		Jedi	Kingboy	59	**+242**	*+0*	67	+1542	-0.34	+0.00	+0.00	+31	+54	+70	**+308**	*+10*	-16	46	+659	106	106	104	97	103	100		70	100	105	112	93	**103**
GGI	DE 0357496954	**Ferro**		Fergus	Snowboard	69	**+242**	*-12*	75	+1199	-0.04	-0.04	+0.03	+47	+38	+58	**+272**	*-17*	+8	57	+413	102	105	106	103	103	104	104	71	103	104	114	103	**111**
Dek	FR 802065846	**Joik**		Brekem	Epic	67	**+242**	*-3*	72	+519	+0.29	+0.22	-0.06	+49	+39	+18	**+268**	*-9*	-57	59	+513	106	105	104	104	103	93	104	72	103	106	110	103	**109**
Tot	US 3138948156	**Aurora Mitchell**		Wet Tatum Mitch	Bombero	56	**+242**	*+21*	65	+833	+0.18	+0.02	-0.01	+53	+31	+37	**+250**	*+16*	-30	39	+589	107	104	105	102				66	103	104	113	103	**110**
CRV	NL 884284743	**Delta Jol**		Percher	Persuader	67	**+242**	*+4*	72	+683	-0.03	+0.08	+0.03	+26	+31	+34	**+192**	*-6*	+25	60	+526	104	107	104	102	103	109	101	80	102	103	107	109	**110**
Sem	CA 12789759	**Progenesis Origin**		Superhero	Denver	55	**+241**	*-10*	63	+1359	+0.24	-0.05	-0.01	+82	+42	+61	**+363**	*-8*	-37	42	+630	101	103	103	95	105	107		64	102	106	114	100	**109**
Adv	NL 765751469	**Molenkamp Rita Moises**		Montross	Meridian	67	**+241**	*+22*	72	+1524	-0.01	-0.13	+0.01	+64	+40	+71	**+320**	*+10*	-35	58	+475	106	102	105	102	104	111	101	72	103	105	113	102	**110**
AWE	US 3135087333	**Endco Warrior**		Battlecry	Tango	64	**+241**	*+17*	72	+1277	+0.03	-0.05	+0.00	+57	+39	+58	**+297**	*+3*	-2	52	+651	106	101	101		103	103		74	99	101	113	103	**108**
Adv	NL 941519562	**Beeze Calina Dron Et**		Doorsopen	Balisto	66	**+241**	*-4*	71	+406	+0.51	+0.23	-0.03	+64	+35	+16	**+283**	*+11*	-47	58	+507	106	104	101	100	102	96	102	72	100	105	115	103	**110**
Gex	US 74489308	**Richlawn Apricot Akeam**		Altaspring	Supersire	59	**+241**	*+9*	67	+876	+0.18	+0.07	-0.01	+55	+37	+39	**+279**	*+7*	-21	48	+710	105	104	106		103	102		71	102	106	110	100	**107**
SZO	IT 018990171847	**Pekerman**		Supershot	Mogul	59	**+241**	*-1*	66	+1284	-0.24	-0.04	-0.01	+31	+41	+58	**+251**	*+14*	-55	48	+787	107	104	105	102	105	100		69	103	106	111	101	**108**
GGI	DE 0122048858	**Detective**		Dolph	Chevrolet	66	**+241**	*-1*	71	+1091	-0.11	-0.06	-0.05	+36	+32	+45	**+220**	*+1*	+4	57	+543	104	105	105	98	101	98	105	71	103	104	110	105	**109**
Alt	NL 734691918	**Koepon Altapaco**		Supersire	Doorman	62	**+240**	*+7*	71	+1184	+0.17	+0.07	+0.00	+67	+48	+54	**+354**	*+3*	-51	51	+511	104	104	109	101	107	97		71	103	107	109	98	**106**
STG	US 3133791640	**Kenmore Jedi Skywalker**	RF	Jedi	Day	58	**+240**	*-4*	66	+1282	-0.16	-0.01	+0.00	+38	+44	+58	**+278**	*+7*	-21	46	+628	106	107	105		105	96		68	98	105	109	96	**103**
Sem	US 3135087078	**Stantons Galore**		Silver	Camaro	65	**+240**	*+7*	73	+970	+0.11	-0.02	+0.00	+52	+32	+44	**+254**	*+4*	-58	54	+640	105	104	105	103	105	107		75	104	103	114	105	**112**
Sem	CA 12731118	**Claynook Dupont**		Fortune	Monterey	54	**+240**	*-2*	62	+889	+0.05	-0.01	-0.01	+43	+30	+40	**+225**	*+23*	-51	39	+603	106	107	106	101	105	99		63	100	105	117	100	**110**
Gex	US 3132632949	**Co-Op Livewire Terrano**		Co-Op Livewire	Jabir	54	**+240**	*-12*	61	+1258	-0.07	-0.22	+0.00	+47	+22	+57	**+206**	*+5*	-34	42	+693	108	108	106		102	98		64	98	105	108	99	**104**
CRV	US 3130395121	**Lexvold Fearless**		De-Su Altaleaf	Sherac	63	**+239**	*-6*	71	+1705	-0.01	-0.11	+0.09	+72	+48	+87	**+374**	*-6*	-44	56	+524	102	103	105	102	104	104	102	71	105	105	108	100	**106**
Mas	DE 0121814251	**Sylvert**		Silver	Galaxy	67	**+239**	*-3*	72	+1676	-0.17	-0.10	+0.01	+54	+48	+78	**+334**	*-19*	-74	59	+480	103	103	104	98	104	104	103	72	102	108	112	104	**110**
Sem	CA 40000098	**Vogue Eclipse PP**	PP	Yoda P	Duke	53	**+239**	*+1*	61	+1210	+0.17	+0.00	+0.00	+68	+42	+55	**+332**	*+16*	-33	38	+647	105	105	101	100		101	62	100	106	111	96	**105**
Tot	NL 685695823	**Kairo-Koepon 9582**		Gatedancer	Woodcrest Mogu	54	**+239**	*n*	63	+1434	-0.09	-0.04	+0.00	+52	+46	+65	**+317**	*n*	-5	40	+479	104	105	106	97	104	103		65	99	103	112	98	**105**
Exc	DE 0538910867	**Nancy Saltoki**		Silver	Antares	67	**+239**	*+2*	72	+1176	+0.13	-0.06	+0.03	+63	+35	+57	**+293**	*+12*	-57	59	+553	103	102	100	102	102	106	105	72	101	106	116	106	**113**
Alt	US 3131131537	**Peak Altaadmin**		Woodcrest Mogu	Stantons Bookke	55	**+239**	*+8*	62	+1016	+0.14	-0.01	+0.00	+57	+34	+46	**+273**	*+9*	-24	43	+621	103	104	110	104	104	99		66	103	104	108	104	**108**
Sem	US 3135087143	**Stantons Useful**		Woodcrest Mogu	Camaro	56	**+238**	*+6*	64	+530	+0.55	+0.12	+0.00	+74	+30	+24	**+286**	*+7*	+2	44	+665	101	103	105		103	106		66	99	104	111	105	**109**
Alt	US 3145398965	**Bgp Yolo**		Bandares	Meridian	57	**+238**	*-7*	66	+1153	+0.17	-0.08	-0.01	+66	+32	+52	**+285**	*-10*	-3	43	+624	104	104	104		103	108		68	102	104	113	100	**108**
Kam	NL 621975569	**Big Mindset**		Jetset	Brawler	64	**+238**	*-23*	72	+663	+0.27	+0.15	+0.06	+54	+37	+36	**+276**	*-5*	+9	58	+634	108	102	104	100	105	100	101	72	104	102	112	98	**107**
Alt	US 3129340935	**Welcome Altareserve Et**		Modesty	Reflector	55	**+238**	*+7*	62	+1363	-0.24	-0.08	+0.00	+34	+39	+62	**+250**	*-5*	-25	44	+531	104	104	108	103	105	106		65	102	102	114	105	**111**
ABS	NL 580616806	**Willem's-Hoeve W-H J Augus**		Jetset	Balisto	59	**+238**	*-21*	67	+50	+0.45	+0.31	+0.00	+42	+29	+2	**+208**	*-19*	-10	48	+734	112	103	101	106	104	95		71	98	103	114	99	**107**
CRV	US 3131664130	**Peak Jett Liner**		Jett	Tango	65	**+237**	*-20*	71	+1213	+0.13	+0.04	-0.07	+65	+46	+48	**+340**	*-10*	-29	55	+486	106	102	105	104	104	96	103	71	102	103	108	99	**105**
Sem	CA 12192465	**Silverridge V Intrepid**		Silver	Mccutchen	62	**+237**	*+18*	70	+1451	-0.02	-0.11	+0.00	+60	+39	+66	**+306**	*+13*	-28	50	+612	102	104	103	101	104	108		72	101	105	114	102	**110**
SZO	CA 12687225	**Vogue Letsgo**		Applicable	Powerball P	57	**+237**	*-1*	66	+1262	-0.06	+0.01	-0.01	+48	+45	+57	**+302**	*+6*	-34	43	+552	104	102	105		103	100		70	103	104	118	102	**112**
	CA 12021596	**Stantons Elapse 6815**		Kingboy	Supersire	65	**+237**	*+3*	73	+1318	+0.03	-0.11	+0.00	+59	+35	+60	**+285**	*+11*	-42	54	+686	104	105	103	98	101	101		74	102	105	114	99	**108**
Sem	CA 12283189	**Westcoast Berlioz**		Monterey	Altajackman	59	**+237**	*-9*	66	+980	+0.04	-0.01	-0.01	+46	+33	+44	**+245**	*-18*	-7	48	+764	106	103	103	103	106	101		70	100	102	113	101	**108**
GGI	DE 0359296776	**Beatbook**		Beatstick	Bookem	66	**+237**	*+2*	71	+1149	-0.23	-0.01	-0.03	+26	+39	+49	**+229**	*+6*	-88	57	+607	106	104	109	101	104	103	103	72	103	105	112	105	**111**
Ves	NL 940038439	**Drouner Topman**		Topgear	Balisto	56	**+236**	*-8*	63	+1783	-0.33	+0.00	+0.00	+41	+62	+81	**+365**	*-9*	-71	45	+543	106	102	101	97	100	93		65	103	103	103	104	**105**
	US 73953455	**Bomaz Altaeddie**		Altaspring	Bookem	60	**+236**	*n*	68	+1393	+0.12	-0.04	-0.01	+72	+45	+63	**+355**	*n*	+6	49	+527	100	104	105		100	104		69	101	104	109	100	**106**
K&L	FR 2601116748	**Mercutio**		Altahotrod	Gainsbarre	65	**+236**	*-19*	71	+1214	-0.02	+0.14	+0.02	+50	+56	+57	**+352**	*-12*	-33	56	+576	107	101	98	103	101	105	102	71	100	105	109	100	**106**
	US 3129038324	**Endco Evolve**		Powerball P	Balisto	62	**+236**	*-15*	70	+871	+0.18	+0.23	-0.01	+54	+53	+39	**+342**	*-24*	+4	51	+521	103	103	105		105	106		73	102	101	114	97	**107**
	US 3133371313	**Peak Altaammo**		Supershot	Sully Munition	61	**+236**	*-5*	70	+1989	-0.32	-0.21	-0.01	+50	+47	+90	**+325**	*-6*	-51	48	+680	104	103	106		104	98		72	105	105	108	100	**106**
Alt	DE 0539392042	**Wilder Altakid**		Jedi	Modena	57	**+236**	*+0*	64	+1362	-0.11	+0.01	+0.00	+47	+49	+62	**+318**	*-11*	-21	45	+587	106	105	102	103	105	103		68	97	105	114	94	**104**
Tot	US 3133064274	**Mr Puma**		Icone	Balisto	66	**+236**	*-5*	71	+666	+0.32	+0.16	+0.04	+59	+38	+34	**+290**	*+6*	+44	58	+560	103	103	104	102	103	105	102	72	96	102	115	98	**106**
Tot	US 3133064286	**Endco Artwork**		Silver	Supersire	61	**+236**	*+10*	70	+1210	-0.12	-0.10	+0.00	+40	+32	+55	**+232**	*-6*	-23	49	+647	106	104	104	101	105	106		72	104	105	114	103	**111**
Alt	US 3134977289	**Stunning-M Altadarvish**		Duke	Rodgers	55	**+235**	*+6*	64	+2147	+0.05	-0.18	-0.01	+97	+55	+97	**+458**	*+30*	-14	41	+526	103	97	104		105	103		67	102	104	110	98	**105**
Kam	NL 653191887	**Kik All Inclusive**	RF	Bitcoin	Commander	60	**+235**	*-4*	69	+1207	+0.24	+0.09	+0.06	+75	+51	+61	**+385**	*-21*	-56	53	+239	103	103	101	99	103	98	100	70	104	107	110	106	**111**

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NVI wordt berekend als INET officieel is, ontbrekende fokwaarden gaan niet mee in NVI

Inet = 0,3*kg lactose + 2,1*kg vet + 4,1*kg eiwit

NVImelkdoel = 0,4*Inet +0,08*lvd +4,7*UGH +6,3*VRU +1,8*Uier +3,6*Beenwerk +1,8*GEB +2,7*KGH + 0,23*BVK
NVIdubbeldoel = 0,35*Inet +0,09*lvd +5,2*UGH +5,2*VRU +5,2*Uier +6*Beenwerk +2*GEB + 5,2* VLi

Perspublicatie stierindexen Zwartbont genomisch zonder dochters

December 2019

Ki Ai	Stiernummer Bull number	Stiernaam Bull name	Erf-fa Her-fa	Vader Sire	M-vader MGS	Bt Rel	NVI NVI	+/- +/-	Bt Rel	kgM kgM	%V %F	%E %P	%L %L	kgV kgF	kgE kgP	KgL KgL	INET INET	+/- +/-	BVK SFCM	Bt Rel	Lvd Lon	Ugh Udh	Vru Fer	Gin Cal	Geb DCE	KA Tem	MS MS	Kgh CLW	Bt Rel	F F	T DS	U U	B F&L	Ext T
Melkdoel Zwart							pnt			**Productie**							**€**		**€**					**Functioneel**						**Exterieur**				
Tot	DE 0666644451	**Mr. Cobain**		Missouri	Supersire	59	**+235**	*n*	68	+2116	-0.40	-0.17	+0.00	+47	+55	+96	**+353**	*n*	-15	46	+581	106	101	104	103	102	99		68	101	102	105	100	**103**
GGI	DE 1267420394	**Sisko**		Silver	Nog Ikaro	67	**+235**	*+12*	71	+1311	+0.23	-0.08	+0.06	+79	+38	+66	**+342**	*+16*	-12	58	+433	104	102	102	98	102	106	101	72	97	102	114	101	**107**
Dek	FR 8574596866	**Sources Jaunay Maestro**		Jethro	Altaoak	64	**+235**	*-8*	70	+1179	+0.10	+0.03	+0.03	+60	+44	+57	**+324**	*-18*	-69	53	+479	103	104	105	95	103	102	101	71	105	107	112	103	**111**
	NL 648499961	**Koepon Alta Rx P**		Blowtorch	Powerball P	52	**+235**	*n*	59	+1000	+0.01	+0.06	-0.01	+44	+41	+45	**+274**	*n*	-14	40	+498	103	107	105	100	104	102		63	98	103	112	100	**106**
Sem	CA 12731114	**Claynook Duplo**		Fortune	Monterey	54	**+235**	*+1*	63	+831	+0.05	-0.02	-0.01	+40	+27	+37	**+206**	*+25*	-66	40	+581	105	107	104	99	105	101		66	101	106	120	103	**113**
CRV	NL 735055526	**Delta Referee**		Placid	Atlantic	67	**+235**	*-2*	72	+476	+0.27	+0.08	-0.06	+45	+24	+16	**+198**	*+2*	-90	58	+573	107	105	101	98	103	97	106	72	109	106	111	108	**114**
Alt	US 3136264477	**Oakfield Altasargento**	BY	Ocd Tango Serge	Supersire	54	**+234**	*n*	61	+1604	-0.14	-0.01	+0.00	+54	+55	+73	**+361**	*n*	+1	42	+328	103	105	108	100	106	103		65	100	103	108	97	**103**
Alt	US 3134563644	**Hendel Altaexpat**		S-S-I Eraser P	Montross	53	**+234**	*-3*	60	+1656	-0.30	+0.02	-0.01	+39	+60	+75	**+350**	*+0*	-57	41	+568	101	105	105	106	105	107		65	104	106	113	98	**108**
ABS	US 3130010739	**De-Su 13494 Hartley**		Hang-Time	Supersire	62	**+234**	*+3*	70	+1384	-0.03	+0.03	+0.00	+56	+51	+63	**+346**	*+10*	-30	49	+612	105	103	101		107	100		72	97	104	111	97	**104**
ABS	US 3014562341	**Sandy-Valley Lottery**		Bandares	Kingboy	57	**+234**	*+1*	66	+956	+0.31	+0.07	-0.01	+71	+40	+43	**+326**	*-7*	-35	43	+615	104	102	105		104	101		68	103	105	112	100	**108**
Kam	NL 625042393	**De Vlog Elmar**		Basta	Titanium	64	**+234**	*-2*	72	+1299	-0.09	-0.02	+0.05	+46	+43	+64	**+292**	*+24*	-79	58	+600	108	99	104	100	101	104	102	72	102	106	108	108	**110**
Ves	IT 034990945267	**Felegara Honey Trap**		Willsbro Abbott	Balisto	61	**+234**	*+0*	68	+322	+0.24	+0.25	-0.01	+36	+34	+14	**+219**	*+11*	-55	47	+775	106	104	106	106	103	104		71	99	102	112	103	**108**
CRV	NL 585920601	**Delta Dairyman**		Whatsapp Rf	Stellando Rf	67	**+234**	*+3*	72	+448	+0.01	+0.16	+0.07	+20	+30	+27	**+173**	*-29*	-16	59	+606	105	106	101	109	105	96	103	72	99	103	111	108	**110**
	US 3131131453	**Peak Altamighty P**	PO	Powerball P	Supersire	57	**+233**	*+0*	66	+1311	+0.06	+0.11	-0.01	+62	+57	+59	**+382**	*-2*	+7	46	+611	101	100	110	104	105	100		68	102	102	110	97	**105**
Kam	NL 661169380	**Monte Rosa**		Jedi	Mccutchen	64	**+233**	*+9*	71	+907	+0.11	+0.10	+0.10	+49	+41	+51	**+286**	*+1*	-66	58	+678	104	104	105	98	108	100	102	72	102	106	116	98	**109**
Sem	CA 12434515	**Progenesis Technic**		Acrobate	Tango	56	**+233**	*-1*	64	+857	+0.00	+0.02	+0.00	+36	+32	+39	**+219**	*+0*	-34	42	+555	107	106	105		103	98		67	104	103	110	103	**109**
Mas	US 3129038032	**Powerman P Et**	PO	Powerball P	Supersire	68	**+233**	*+21*	72	+932	-0.23	-0.05	+0.11	+17	+28	+53	**+166**	*+31*	-33	58	+622	108	108	109	101	102	94	102	72	101	106	112	98	**107**
STG	US 3010364852	**St Gen Silver Bullion**		Silver	Tango	59	**+232**	*+0*	67	+1214	+0.05	-0.02	+0.00	+57	+40	+55	**+300**	*+6*	-14	48	+494	102	104	106		105	110		69	99	104	111	103	**108**
Tot	NL 754297572	**Jk Eder Dg Serac**		Chevalier	Tango	60	**+232**	*-9*	68	+1411	-0.02	-0.11	+0.00	+58	+38	+64	**+297**	*+4*	-31	47	+592	107	101	108	102	105	99		68	103	105	111	100	**107**
ABS	UK 560989702460	**Netherside Equinox**		Silver	Massey	59	**+232**	*-14*	68	+845	+0.08	+0.01	-0.01	+44	+30	+38	**+227**	*+9*	-22	48	+664	106	104	105	103	104	102		62	99	104	115	101	**109**
GGI	DE 0358475737	**Shot P**	RF PO	Supershot	Earnhardt P	67	**+232**	*-21*	72	+1678	-0.54	-0.19	+0.08	+15	+39	+85	**+217**	*-23*	+19	59	+655	104	106	105	102	103	97	103	72	96	105	106	101	**103**
Alt	US 3138498889	**Peak Altaactor**		Jett	Altakado	56	**+231**	*-16*	65	+1836	-0.24	-0.05	-0.01	+53	+59	+83	**+378**	*+20*	+1	43	+341	104	103	103	102	107	99		65	101	103	113	96	**106**
Sem	CA 12608974	**Progenesis Diablo**	CD	Willsbro Abbott	Bombero	55	**+231**	*+9*	63	+1165	+0.16	+0.00	+0.00	+65	+41	+53	**+321**	*+25*	-31	40	+640	105	101	106		104	99		65	102	103	116	97	**108**
Sem	CA 12380028	**Progenesis Avatar**		Altaspring	Defender	59	**+231**	*+32*	66	+1266	-0.04	-0.04	-0.01	+50	+40	+57	**+286**	*+35*	-8	48	+501	101	104	107	104	102	107		69	99	105	116	102	**110**
Tot	NL 678889750	**Hul-Stein Casey**		Supershot	Mogul	58	**+231**	*+0*	67	+1156	-0.01	-0.01	-0.01	+48	+39	+52	**+276**	*+18*	-33	47	+703	106	103	103	101	106	99		69	100	106	107	102	**106**
Gex	US 3135669646	**No-Fla Jedify**		Jedi	Altagenuity	57	**+231**	*+7*	65	+1030	-0.18	+0.12	-0.01	+26	+48	+46	**+265**	*-2*	+1	44	+578	106	104	105	102	106	101		67	95	103	111	99	**104**
	US 3137878098	**Kings-Ransom F Detail**		Franchise	Kingboy	56	**+231**	*+4*	65	+1262	-0.34	-0.10	-0.01	+20	+34	+57	**+199**	*+17*	-16	43	+653	103	107	110		102	100		66	99	105	111	102	**107**
Tot	US 3147987767	**Midas-Touch Hannibal**		Eldorado	Rubicon	57	**+230**	*+13*	64	+1266	+0.21	+0.06	-0.01	+75	+50	+57	**+380**	*+13*	-13	42	+490	103	101	105	101	107	103		67	101	104	111	98	**106**
Alt	US 3142181298	**Peak Altalackey**		Bourbon	Silver	56	**+230**	*n*	65	+2058	-0.31	-0.23	-0.01	+54	+47	+93	**+334**	*n*	-39	42	+495	104	102	107	99	104	101		65	100	104	110	101	**106**
	US 3131131507	**Peak Altaenfield**		Bayonet	Sully Munition	56	**+230**	*+6*	64	+1796	-0.19	-0.18	-0.01	+56	+44	+81	**+322**	*+16*	-20	44	+624	102	104	103	99	103	103		66	103	103	109	100	**106**
ABS	US 3127565629	**Clear-Echo Ackerly**		Alltime	Montross	55	**+230**	*+41*	64	+585	+0.31	+0.03	-0.01	+54	+23	+26	**+216**	*+16*	-19	40	+676	108	106	105					66	102	104	111	97	**105**
Sem	CA 12529248	**Progenesis Midnight**		Duke	Defender	56	**+229**	*+1*	64	+1755	-0.07	+0.01	+0.00	+67	+62	+80	**+419**	*+20*	-62	42	+400	100	103	105	101	106	103		66	104	104	111	99	**107**
WWS	US 3132417775	**Woodcrest King Doc**		Kingboy	Mack	60	**+229**	*+2*	69	+1918	-0.16	-0.15	+0.00	+64	+51	+87	**+370**	*+11*	-57	48	+489	102	103	103	100	101	100		70	103	103	112	100	**108**
Mas	DE 0358774630	**Iceland**		Icone	Epic	66	**+229**	*+4*	71	+1150	+0.00	-0.03	+0.07	+49	+37	+59	**+272**	*-2*	-44	58	+760	104	103	102	102	104	104	101	72	101	107	114	100	**109**
Sem	CA 12328314	**Silverridge V Gordon Pb**		Silver	Mccutchen	60	**+229**	*+2*	68	+1661	-0.34	-0.14	-0.01	+35	+43	+75	**+272**	*+21*	-46	50	+609	103	104						72	102	106	114	105	**112**
AWE	US 3129340903	**Welcome Modesty Percy**		Modesty	De-Su Epc Crabt	60	**+229**	*-3*	68	+1119	-0.18	-0.09	+0.00	+30	+30	+51	**+201**	*-38*	-18	48	+626	108	104	105		103	102		72	96	101	113	102	**107**
Sem	CA 12648665	**Progenesis Pizzazz**		Modesty	Silver	58	**+228**	*+0*	66	+1424	+0.17	-0.02	-0.01	+78	+48	+64	**+380**	*-20*	+22	45	+290	100	101	106	98	103	106		68	98	101	109	104	**106**
Tot	UK 726652500563	**Bb Metallic**		Silver	Supersire	59	**+228**	*+13*	68	+1600	+0.06	-0.08	-0.01	+74	+48	+72	**+374**	*-2*	-53	48	+516	101	100	107	99	105	104		70	106	106	110	104	**110**
Exc	NL 920855476	**Heidenskipster Celene Mvp E**		Montross	Epic	67	**+228**	*-6*	72	+1708	-0.05	-0.14	+0.01	+67	+45	+79	**+349**	*-5*	-32	58	+698	103	97	104	100	108	106	104	72	106	102	113	101	**110**
STG	US 3126776438	**Edg Delta-Baylor**		Mr Mogul Delta	Roylane Booken	61	**+228**	*+12*	69	+1480	-0.07	-0.10	+0.00	+56	+41	+67	**+306**	*+16*	+2	48	+498	102	106	105		105	106		70	101	104	111	97	**105**
Sam	UK 917137316735	**Glamour Achieve**		Altaspring	Altaiota	59	**+228**	*+13*	67	+1137	-0.01	+0.04	-0.01	+47	+44	+51	**+294**	*+11*	-51	48	+480	104	106	105	99	100	101		69	104	106	110	100	**107**
	US 3130845107	**Wake-Up Altaignition**		Altastratify	Mogul	57	**+228**	*+10*	66	+1306	-0.22	+0.03	-0.01	+33	+49	+59	**+288**	*+15*	-7	45	+704	104	102	104	102	104	101		66	96	104	113	99	**106**
Tot	US 3148100386	**Aurora Express**		Cookiecutter Jd	S-S-I Eraser P	56	**+227**	*-35*	63	+1425	+0.03	+0.01	-0.01	+64	+51	+64	**+363**	*-53*	-28	41	+451	102	105	106	103		101		66	101	103	108	96	**103**
Sem	US 3014562256	**Sandy-Valley Amerix**		Modesty	Bombero	57	**+227**	*-4*	66	+1173	+0.06	-0.03	-0.01	+56	+38	+53	**+289**	*-23*	-14	44	+382	103	104	107	103	102	104		67	101	102	110	104	**108**
WWS	US 3130915846	**Cookiecutter Md Hardrock**		Modesty	Capital Gain	58	**+227**	*+2*	66	+1451	+0.03	-0.18	+0.00	+65	+32	+66	**+288**	*-6*	+4	45	+345	104	104	108	101	105	106		68	98	102	110	102	**106**
Tot	DE 0770753339	**Dg Nh Arrow**		King Doc	Monterey	56	**+227**	*+4*	63	+1312	-0.03	-0.09	-0.01	+53	+37	+59	**+281**	*-6*	-60	42	+651	104	104	104	98	103	104		66	104	102	114	100	**109**
Sam	NL 656232057	**Cogent De Crob Moat**		Kingboy	Mogul	60	**+227**	*+12*	68	+1670	-0.28	-0.21	+0.00	+42	+36	+76	**+259**	*+12*	-26	49	+665	105	102	107	99	101	98		70	101	105	113	101	**108**
Kam	NL 715916861	**De Vrendt Brad P**	PO	Board	Snowman	63	**+227**	*+9*	71	+780	+0.02	+0.07	+0.10	+35	+34	+45	**+226**	*-2*	-55	57	+445	105	107	108	102	102	104	103	72	103	106	111	101	**108**
CRV	US 3134408616	**Peak Marine**		Abel	Ransom	66	**+227**	*-8*	71	+31	+0.45	+0.26	+0.04	+41	+24	+5	**+186**	*-1*	-38	56	+531	106	108	106	104	104	93	103	72	103	105	106	103	**106**
Ves	IT 017991551800	**Amighetti Sil. Sector**		Silver	Supersire	61	**+226**	*+13*	70	+1340	+0.08	-0.05	+0.00	+65	+42	+61	**+327**	*+17*	-19	49	+527	102	103	103	98	106	106		72	101	105	109	102	**107**
Tot	NL 718879048	**Caps Powerbul**		Powerball P	Supersire	59	**+226**	*n*	67	+1074	+0.25	+0.03	-0.01	+70	+40	+48	**+325**	*n*	-36	47	+581	103	105	107	97	105	98		68	102	105	108	96	**103**
Sem	CA 12698005	**Lindenright Apps**		Applicable	Superman	60	**+226**	*+6*	68	+1534	-0.18	-0.09	-0.01	+47	+44	+69	**+300**	*+21*	-43	47	+506	104	101	100	94	103	103		70	101	104	120	104	**114**
Alt	US 3134408770	**Peak Altakalispel**		Montana	Woodcrest Mogu	56	**+226**	*+20*	65	+1580	-0.12	-0.19	+0.00	+55	+35	+72	**+281**	*+32*	+0	40	+588	101	107	103		104	105		66	99	105	107	100	**104**
STG	US 3132353099	**St Gen D-Lambda Ashby**		Delta-Lambda	Silver	60	**+226**	*+3*	67	+649	+0.41	+0.10	-0.01	+66	+32	+29	**+279**	*+20*	-24	46	+569	105	101	102	96	105	107		69	103	105	117	103	**112**
CRV	NL 871715595	**De Vrendt Gulliver P**	PO	Guard	Packman	66	**+226**	*-1*	72	+792	-0.07	+0.23	+0.03	+27	+50	+39	**+273**	*+26*	+17	61	+434	102	105	102	98	99	101	107	80	102	102	106	101	**105**
Alt	US 3129038374	**Endco Mambo**		Monterey	Tango	58	**+226**	*+35*	68	+1237	-0.16	-0.01	+0.00	+37	+42	+56	**+267**	*+10*	-11	45	+545	104	102	109	99	106	103		71	101	102	113	102	**109**
Tot	FR 1445853190	**Drakkar Brisbane**		Silver	Chevrolet	62	**+226**	*+23*	70	+1132	+0.04	-0.06	-0.01	+52	+34	+51	**+264**	*+20*	-20	51	+485	106	100	106	99	102	105		74	98	105	114	106	**111**
Sem	US 3130641983	**Stantons Sixpack Et**		Silver	Supersire	66	**+226**	*+16*	74	+883	+0.20	-0.01	+0.00	+57	+30	+40	**+255**	*+18*	-56	55	+625	104	104	105		104	107		76	102	107	113	103	**110**
Kam	NL 756313762	**Brakels Finale**		Finder	Impression	64	**+226**	*-17*	71	+511	+0.27	+0.14	-0.05	+47	+31	+19	**+232**	*-8*	+40	58	+632	107	99	110	101	102	99	100	72	99	102	114	101	**108**
WWS	US 3132117165	**Pine-Tree Mod Kennedy713**		Modesty	Supersire	60	**+226**	*n*	69	+596	+0.41	+0.00	+0.00	+64	+21	+27	**+229**	*n*	+20	46	+540	103	106	110	105	105	104		70	100	102	107	101	**105**
Sem	CA 12532147	**Westcoast Scotch**		Montana	Supershot	56	**+226**	*+10*	64	+995	+0.05	-0.09	+0.00	+47	+26	+45	**+219**	*+20*	-89	41	+707	107	107	105	100	105	102		68	102	105	115	97	**108**

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NVI wordt berekend als INET officieel is, ontbrekende fokwaarden gaan niet mee in NVI

Inet = 0,3*kg lactose + 2,1*kg vet + 4,1*kg eiwit

NVImelkdoel = 0,4*Inet +0,08*lvd +4,7*UGH +6,3*VRU +1,8*Uier +3,6*Beenwerk +1,8*GEB +2,7*KGH + 0,23*BVK
NVIdubbeldoel = 0,35*Inet +0,09*lvd +5,2*UGH +5,2*VRU +5,2*Uier +6*Beenwerk +2*GEB + 5,2* VLi

Perspublicatie stierindexen Zwartbont genomisch zonder dochters

December 2019

Ki Ai	Stiernummer Bull number	Stiernaam Bull name	Erf-fa Her-fa	Vader Sire	M-vader MGS	Bt Rel	NVI NVI	+/- +/-	Bt Rel	kgM kgM	%V %F	%E %P	%L %L	kgV kgF	kgE kgP	KgL KgL	INET INET	+/- +/-	BVK SFCM	Bt Rel	Lvd Lon	Ugh Udh	Vru Fer	Gin Cal	Geb DCE	KA Tem	MS MS	Kgh CLW	Bt Rel	F F	T DS	U U	B F&L	Ext T
Melkdoel Zwart							pnt			**Productie**							€		€					**Functioneel**						**Exterieur**				
SZO	DE 0539040496	**Samovar**		Silver	Galaxy	61	**+225**	*+19*	69	+578	+0.65	+0.11	+0.00	+85	+30	+26	**+309**	*+1*	-9	49	+391	101	103	105	99	103	102		72	101	105	110	106	**110**
Sem	CA 12608997	**Progenesis Musketeer**		Jett	Mr Mogul Delta	56	**+225**	*+2*	64	+1176	+0.11	-0.06	-0.01	+61	+35	+53	**+288**	*+9*	+11	42	+461	103	105	106	103	108	104		66	101	102	114	97	**106**
ABS	US 3135245993	**Abs Joppolo-Pp**	PP	Answer Po	Powerball P	54	**+225**	*-7*	63	+750	+0.35	+0.06	+0.00	+65	+32	+34	**+278**	*+9*	+47	39	+543	103	105	106			103		63	99	100	108	97	**102**
Tot	UK 726652700607	**Bb Sheild**		Monterey	Supersire	59	**+225**	*+8*	67	+1596	-0.30	-0.12	-0.01	+37	+43	+72	**+276**	*+0*	-63	48	+700	103	104	108	100	107	103		69	102	105	111	100	**107**
Alt	US 3131131505	**Peak Altacayenne**		Bayonet	Tango	56	**+225**	*+8*	64	+1832	-0.40	-0.21	-0.01	+36	+42	+83	**+273**	*+17*	-34	44	+604	103	106	103		104	102		65	100	102	108	101	**105**
Mas	US 3137164748	**Emperor**	RF	Jedi	Day	66	**+225**	*+11*	71	+1554	-0.32	-0.11	+0.08	+33	+43	+79	**+269**	*+8*	-23	58	+531	104	105	103	96	106	103	101	72	99	105	114	99	**107**
STG	US 3137942562	**Farnear Mdsty No Can Do**		Modesty	Josuper	57	**+225**	*-2*	65	+986	+0.09	-0.01	-0.01	+51	+33	+44	**+256**	*-19*	+2	44	+419	102	106	106		105	108		67	99	102	113	102	**108**
CRV	NL 606567303	**Haaß Cashier**		Danno	Snowfever Cd	68	**+225**	*-8*	72	+926	+0.10	-0.05	+0.07	+49	+27	+49	**+228**	*+3*	+13	61	+402	105	101	104	102	100	94	102	73	101	104	115	108	**113**
Gex	US 3132632973	**Co-Op Livewire Cargo**		Co-Op Livewire	Co-Op M-P Dorc	54	**+225**	*-8*	62	+317	+0.26	+0.02	-0.01	+37	+13	+14	**+135**	*-6*	-12	41	+791	110	105	105		103	102		63	99	103	113	100	**107**
	DE 0358774592	**Bogota**		Bolaro	Balisto	60	**+224**	*-4*	68	+2152	-0.36	-0.04	+0.00	+52	+71	+98	**+430**	*+3*	-32	48	+410	100	98	104	101	103	102		69	103	102	110	104	**109**
Alt	US 3136838544	**S-S-I Berryridge Altablast**		Modesty	Kingboy	56	**+224**	*-10*	64	+1637	+0.06	-0.10	-0.01	+76	+47	+74	**+375**	*-22*	+18	45	+389	102	101	104		102	104		68	97	101	111	99	**105**
Kam	NL 580721340	**Poppe Red Hot Armani**	RF	Board	Snow Rf	63	**+224**	*-13*	71	+739	+0.38	+0.16	+0.02	+68	+41	+36	**+322**	*+11*	-28	57	+431	105	102	101	103	102	101	102	72	103	105	105	104	**106**
Alt	US 3142181578	**Peak Altaginger**		Hotline	Altalstclass	54	**+224**	*-7*	63	+1249	+0.06	-0.03	-0.01	+59	+41	+56	**+309**	*+0*	-17	40	+417	105	101	103		105	107		66	97	101	116	102	**109**
Sem	CA 12571509	**Claynook Miami**		Ocd Commander	Silver	54	**+224**	*-3*	63	+1615	-0.08	-0.18	-0.01	+60	+38	+73	**+304**	*+1*	-52	40	+601	103	102	103		105	102		65	102	103	115	102	**110**
	US 3137839125	**Genosource Jspr Reino**		Josuper	Montross	61	**+223**	*+1*	69	+1966	-0.31	-0.14	-0.01	+50	+54	+89	**+353**	*+6*	-53	49	+455	104	103	105		107	101		70	102	104	108	99	**105**
Kam	NL 743582931	**Eastland Bentley**		Balisto	Paramount	70	**+223**	*+25*	72	+1286	-0.20	+0.05	-0.05	+35	+50	+54	**+295**	*+13*	+25	69	+521	106	102	98	98	103	95	99	81	97	102	111	101	**106**
Mas	DE 0358965029	**Donpepe**		Dolph	Galaxy	66	**+223**	*-18*	71	+611	+0.38	+0.11	-0.09	+62	+32	+19	**+267**	*-9*	+14	57	+415	104	103	106	101	105	103	105	71	100	102	106	102	**105**
Sem	CA 12529391	**Progenesis Maverick**		Jedi	Mr Mogul Delta	58	**+223**	*+3*	67	+1436	-0.28	-0.09	+0.00	+33	+41	+65	**+257**	*+7*	-5	45	+578	105	107	104		106	103		69	98	104	112	94	**103**
ABS	CA 110508043	**Parkhurst Samaritan**		Modesty	Kingboy	57	**+223**	*+5*	65	+758	+0.30	+0.01	-0.01	+61	+27	+34	**+249**	*-16*	-1	44	+468	103	104	107		103	104		67	101	102	113	103	**109**
Alt	US 3140616106	**Sandy-Valley Altaemoji**		Bandares	Pure	56	**+223**	*+13*	65	+500	+0.16	+0.12	-0.01	+36	+29	+22	**+201**	*+1*	-48	42	+694	105	105	108	99	104	107		66	101	107	116	100	**110**
Kam	NL 751089990	**Koepon Motif**		Mogul	Planet	65	**+223**	*+25*	72	+636	+0.25	-0.03	+0.02	+51	+19	+31	**+194**	*+49*	+5	60	+639	104	102	106	104	108	110	103	72	101	105	114	105	**111**
OBS	DE 0359252647	**Basalt**		Battlecry	Boss	66	**+222**	*+5*	71	+1247	-0.05	+0.08	+0.03	+48	+52	+60	**+332**	*+17*	-51	58	+477	104	101	104	98	105	99	100	72	98	103	111	103	**107**
Alt	US 3134408771	**Peak Altacomfort**		Montana	Monterey	56	**+222**	*+14*	65	+1432	-0.12	-0.04	+0.00	+49	+46	+65	**+311**	*+18*	-11	41	+568	102	104	105	100	105	104		66	98	104	112	97	**105**
Mas	DE 0359223691	**Buenas**		Bueno	Tribune	66	**+222**	*-12*	71	+1001	-0.09	+0.13	-0.03	+34	+48	+43	**+281**	*+0*	-98	56	+568	102	105	101	101	99	101	105	71	104	106	111	103	**110**
Kam	NL 609557749	**Kik Spiceman**		Spell	Brawler	65	**+222**	*-4*	72	+356	+0.57	+0.21	-0.05	+67	+32	+12	**+276**	*+12*	+22	60	+324	106	104	100	106	100	101	100	72	97	102	113	101	**107**
Tot	US 3133341762	**Webb-Vue Sir Duke**		Duke	Halogen	55	**+222**	*+7*	63	+1401	-0.05	-0.17	-0.01	+55	+32	+63	**+266**	*+32*	-34	41	+583	105	105	102	101	104	100		65	101	104	112	99	**107**
Tot	NL 747281690	**Dg R Nickson**		Josuper	Numero Uno	63	**+222**	*n*	71	+976	+0.14	-0.03	-0.01	+55	+31	+44	**+256**	*n*	-26	50	+427	104	107	110	102	105	101		71	101	104	110	98	**105**
WWS	US 3137878133	**Kings-Ransom B Drastic P**	PO	Bandares	Powerball P	56	**+222**	*-22*	65	+651	+0.20	+0.13	-0.01	+47	+35	+29	**+251**	*-32*	-40	43	+626	103	104	107		104	104		66	104	106	114	101	**110**
STG	US 3132353224	**Mr Wings Norman**		Butz-Hill Silve	Montross	54	**+221**	*+6*	62	+1413	+0.06	-0.13	+0.00	+66	+36	+64	**+305**	*+15*	-41	40	+564	101	105	107	103	106	103		63	104	103	112	98	**107**
Tot	DE 0538910879	**Yuppi**		Woodcrest Mogu	Roylane Socra R	57	**+221**	*+7*	67	+1345	+0.00	-0.09	+0.00	+57	+38	+61	**+294**	*-15*	+3	46	+842	102	99	106	99	105	104		68	100	104	106	103	**105**
Mas	DE 0359518546	**Mirax P**	PO	Milford-P	Balisto	66	**+221**	*-6*	71	+247	+0.57	+0.29	-0.04	+62	+35	+8	**+276**	*+28*	-13	56	+371	102	104	103	103	100	101	105	72	103	105	111	103	**109**
CRV	NL 922820786	**Lowlands Debark**		Danno	Stellando Rf	72	**+221**	*-30*	72	+773	-0.23	+0.11	+0.02	+11	+37	+37	**+186**	*-21*	-101	71	+296	105	105	109	101	101	93	103	87	101	105	111	113	**114**
CRV	US 3148093491	**Siemers Doc Hardy**		King Doc	Monterey	64	**+220**	*+22*	69	+2066	-0.16	-0.15	+0.03	+71	+56	+97	**+408**	*+29*	-13	53	+430	100	99	104	102	101	107	101	70	101	101	114	99	**107**
ABS	US 3129340879	**Welcome Lotto**		Jedi	S-S-I Mogul Mul	58	**+220**	*+2*	67	+1425	-0.05	+0.04	-0.01	+56	+54	+64	**+358**	*+22*	-26	45	+446	104	103	101	102	105	99		69	100	104	112	96	**105**
Tot	DE 0770405768	**Nh Balboa**		Battlecry	Anton	62	**+220**	*+14*	70	+924	+0.30	+0.15	+0.00	+68	+47	+42	**+348**	*+8*	-8	51	+567	104	101	102	98	100	100		72	99	103	107	99	**103**
Tot	NL 876060399	**Ko-Gen Tarzan**	DP	Silver	Supersire	65	**+220**	*-6*	72	+1050	+0.01	+0.03	+0.04	+46	+40	+52	**+276**	*+9*	-83	60	+568	103	103	106	98	105	101	102	72	104	106	115	102	**111**
Sam	US 3135087150	**Mr Blondin Powerful P**	RF PP	Powerball P	Supersire	59	**+220**	*-10*	67	+1237	-0.18	+0.00	+0.00	+35	+43	+56	**+267**	*-21*	-12	47	+654	104	104	106	103	105	100		69	98	102	109	98	**103**
Tot	NL 665165320	**Hbc Silver Chelsea**		Silver	Supersire	68	**+220**	*-10*	72	+1070	+0.06	-0.05	+0.07	+51	+32	+56	**+255**	*-9*	-63	60	+355	102	105	108	99	104	103	102	72	104	108	110	107	**111**
Kam	NL 756624448	**Giessen Utopia**		Rubicon	Snowman	65	**+219**	*+0*	72	+936	+0.46	+0.12	-0.02	+85	+44	+41	**+371**	*+9*	-11	59	+327	104	101	100	101	98	96	100	72	103	105	110	101	**107**
Alt	US 3135253443	**Dinomi Altaviking**		Altasuperstar	Montross	56	**+219**	*+25*	63	+1511	-0.03	-0.15	-0.01	+61	+37	+68	**+300**	*+46*	-25	44	+514	108	103	103		105	102		67	97	104	113	94	**103**
Alt	US 3134512303	**T - Spruce Altamaster**		Jedi	Miles	58	**+219**	*+3*	66	+1385	-0.20	-0.03	+0.00	+39	+45	+63	**+285**	*+17*	-22	45	+568	106	103	104		106	100		68	101	105	114	96	**106**
Mas	US 3131003460	**Jazz**		Modesty	Kingpin	67	**+219**	*-13*	71	+1098	-0.06	-0.04	+0.09	+41	+34	+59	**+243**	*-8*	-73	56	+438	105	105	110	101	104	104	100	72	105	108	113	102	**111**
CRV	US 3126668025	**Peak Easton**		Altalstclass	Supersire	67	**+219**	*-6*	72	+430	+0.51	+0.00	+0.02	+65	+15	+21	**+204**	*-28*	-23	58	+510	107	105	106	102	107	95	100	72	101	103	115	100	**109**
Alt	US 3138817733	**Welcome Altamaradona**		Modesty	Supershot	57	**+219**	*-4*	65	+940	-0.08	-0.03	-0.01	+32	+30	+42	**+203**	*-22*	+22	44	+554	106	103	104		103	103		67	96	100	113	103	**107**
Mas	DE 0358235680	**Racord**		Racer	Log-In	66	**+219**	*-6*	71	+847	-0.21	+0.07	+0.03	+16	+36	+42	**+194**	*-13*	-76	57	+413	107	107	104	105	101	100	102	72	106	105	114	103	**112**
Dek	FR 2832014296	**Cap Misterter**		Baltikum	Dkr Pedro	63	**+219**	*+11*	71	+305	+0.29	+0.08	+0.05	+39	+18	+18	**+161**	*+38*	-64	57	+679	108	104	107	107	104	91	102	72	105	107	115	102	**112**
Sem	CA 12532130	**Westcoast Safran**		Jett	Supershot	54	**+218**	*-7*	62	+2467	-0.49	-0.28	+0.00	+50	+54	+112	**+360**	*+2*	-29	42	+503	104	102	105		107	102		66	101	104	108	96	**103**
Tot	NL 653401058	**De Volmer Lion**		Missouri	Willpower	63	**+218**	*-4*	71	+2113	-0.51	-0.26	+0.00	+34	+45	+96	**+285**	*-4*	+20	51	+543	105	100	106	102	99	98		72	94	100	110	101	**104**
	CA 12478085	**Vogue Landslide**		Mr Super Conten	Altalstclass	56	**+218**	*-15*	64	+1284	+0.02	-0.11	-0.01	+57	+34	+58	**+277**	*-11*	-48	43	+536	104	103	103	101		103		67	102	102	116	101	**110**
Tot	NL 758140225	**Dg Pluto**		Commander	Numero Uno	58	**+218**	*-6*	67	+1129	-0.04	-0.06	-0.01	+44	+33	+51	**+243**	*+8*	+1	46	+608	104	103	102	99	105	104		70	101	104	109	104	**108**
Kam	NL 587017006	**Uenk Malawi**		Magister	Maik	62	**+218**	*-21*	69	+888	-0.16	+0.07	-0.01	+22	+38	+40	**+214**	*+6*	+5	56	+650	104	104	104	105	103	101	103	72	100	103	109	101	**106**
	NL 943461722	**Koning Altashockwave**		Modesty	Supersire	59	**+218**	*+15*	68	+1342	-0.29	-0.15	+0.00	+28	+32	+61	**+208**	*-14*	-4	45	+570	103	106	106	97	105	104		68	97	102	111	102	**106**
Alt	US 3135087042	**Endco Altatalisman**		Silver	Altaoak	59	**+217**	*+17*	66	+1256	+0.16	-0.10	+0.00	+70	+34	+57	**+304**	*+18*	-18	49	+509	102	101	105	96	104	107		70	99	105	111	104	**108**
Alt	US 3138948148	**Aurora Altaantonio**		Bandares	Commander	57	**+217**	*-17*	66	+909	+0.19	+0.04	+0.00	+57	+36	+41	**+280**	*-45*	-29	42	+572	103	102	107	95	106	107		66	103	105	111	102	**109**
Tot	NL 711611203	**De Oosterhof Dg Halleluja**		Doorsopen	Tango	58	**+217**	*+5*	67	+925	+0.08	-0.07	+0.00	+47	+25	+42	**+214**	*+1*	-21	45	+558	110	102	103	99	101	97		68	99	102	115	100	**108**
Sem	CA 12648445	**Progenesis Woodstock**		Jedi	Mr Mogul Delta	56	**+216**	*-10*	64	+1666	-0.22	-0.01	-0.01	+48	+57	+75	**+357**	*+5*	-25	45	+469	105	102	102		107	103		67	102	106	113	94	**105**
Viv	DE 0359270959	**Beethoven**		Bellrabi	Balisto	62	**+216**	*+3*	70	+803	+0.12	+0.15	-0.01	+46	+42	+36	**+280**	*+17*	-30	49	+611	104	102	100	97	103	103		71	103	103	113	102	**109**
Alt	US 3129128824	**Peak Altacoby**		Altahotrod	Roylane Socra R	60	**+216**	*-2*	68	+1671	-0.36	-0.18	+0.00	+34	+39	+76	**+254**	*+35*	-37	48	+578	103	104	107	99	104	102		68	105	104	106	104	**107**
Mas	DE 0359040444	**Benno**		Burano	Bube	66	**+216**	*-18*	71	+631	+0.01	+0.16	-0.02	+28	+37	+27	**+219**	*-2*	-26	55	+531	106	105	103	102	103	100	102	71	98	101	112	100	**106**
ABS	US 3138817643	**Welcome Kingston**		Modesty	Bombero	57	**+216**	*-10*	66	+1123	-0.01	-0.14	+0.00	+47	+25	+51	**+217**	*-22*	-6	45	+518	104	106	106		104	105		68	99	102	112	100	**106**
Sam	NL 573341148	**Rijnhof Dg Brian**		Beat	Balisto	59	**+215**	*+5*	66	+1904	-0.19	-0.01	-0.01	+61	+65	+86	**+420**	*+13*	-6	47	+367	100	99	105	103	103	98		68	99	102	109	100	**105**

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NVI wordt berekend als INET officieel is, ontbrekende fokwaarden gaan niet mee in NVI

Inet = 0,3*kg lactose + 2,1*kg vet + 4,1*kg eiwit

NVImelkdoel = 0,4*Inet +0,08*lvd +4,7*UGH +6,3*VRU +1,8*Uier +3,6*Beenwerk +1,8*GEB +2,7*KGH + 0,23*BVK
NVIdubbeldoel = 0,35*Inet +0,09*lvd +5,2*UGH +5,2*VRU +5,2*Uier +6*Beenwerk +2*GEB + 5,2* VLi

Perspublicatie stierindexen Zwartbont genomisch zonder dochters

December 2019

Ki Ai	Stiernummer Bull number	Stiernaam Bull name	Erf-fa Her-fa	Vader Sire	M-vader MGS	Bt Rel	NVI NVI	+/- +/-	Bt Rel	kgM kgM	%V %F	%E %P	%L %L	kgV kgF	kgE kgP	KgL KgL	INET INET	+/- +/-	BVK SFCM	Bt Rel	Lvd Lon	Ugh Udh	Vru Fer	Gin Cal	Geb DCE	KA Tem	MS MS	Kgh CLW	Bt Rel	F F	T DS	U U	B F&L	Ext T
Melkdoel Zwart							pnt			**Productie**							**€**		**€**					**Functioneel**						**Exterieur**				
Gex	US 3138510972	**Blumenfeld Gdanc Rory**		Gatedancer	Rubicon	55	**+215**	*+0*	65	+1099	+0.27	-0.02	+0.00	+73	+36	+50	**+316**	*+20*	+31	40	+422	104	102	106		104	102		66	96	102	109	97	**102**
STG	CA 12188707	**Stantons Castaway 5403**		Kingboy	Badger-Bluff Fa	66	**+215**	*-11*	74	+1514	-0.16	-0.13	+0.00	+48	+39	+69	**+281**	*-11*	-3	55	+524	104	101	109	105	99	100		76	98	104	109	101	**105**
Tot	DE 0359756080	**Bg Roland**		Trend	Liquid Gold	65	**+215**	*+12*	71	+1257	-0.07	-0.04	+0.06	+46	+40	+63	**+280**	*+7*	-29	53	+426	102	104	103	97	104	106	103	71	103	106	111	102	**109**
	US 3132356929	**Kings-Ransom H Skare**		Hang-Time	Diamond	55	**+215**	*-2*	63	+753	+0.37	+0.02	+0.00	+67	+28	+34	**+266**	*+18*	-9	41	+597	107	103	99	97	105	97		64	97	103	111	98	**104**
Sem	CA 12556108	**Legend-Maker Victor**		Kingpin	Liquid Gold	61	**+215**	*+20*	68	+626	+0.11	+0.13	-0.01	+37	+34	+28	**+226**	*+28*	-64	48	+439	105	106	103	95	103	100		71	104	104	115	103	**111**
Alt	US 3134835456	**Butlerview Altatoken**		Monterey	Montross	58	**+214**	*+7*	65	+1370	-0.14	-0.06	+0.00	+44	+42	+62	**+283**	*+13*	-4	47	+631	100	103	107	98	108	105		69	99	102	113	99	**106**
ABS	NL 717902444	**Groenibo Nation**		Rubicon	Danillo	59	**+214**	*+10*	67	+876	+0.08	-0.01	-0.01	+45	+30	+39	**+229**	*+40*	-31	48	+474	103	104	108	103	100	99		69	102	106	111	105	**110**
LIV	US 72031815	**Cal-Roy-Al Nathan**		Silver	Headliner	64	**+214**	*+14*	72	+842	+0.30	-0.13	+0.00	+65	+17	+38	**+218**	*+0*	-20	54	+568	104	101	107	101	104	104		75	101	106	115	106	**112**
Sam	CA 12111806	**Mapel Wood Silverback**		Silver	Supersire	61	**+214**	*+11*	69	+795	+0.07	-0.02	+0.00	+41	+26	+36	**+204**	*+7*	+12	49	+508	104	104	106	101	105	105		71	97	104	111	104	**108**
OBS	DE 0359210704	**Holo PP**	PP	Hologram-P	Eraser P	65	**+213**	*-2*	71	+1574	-0.14	-0.10	+0.10	+52	+45	+82	**+318**	*-39*	-72	53	+543	101	103	106	96	102	108	103	70	104	106	109	100	**107**
ABS	US 3134408309	**De-Su 13700 Kipling**		Jett	Flame	56	**+213**	*-10*	64	+1253	+0.01	+0.01	+0.00	+54	+45	+57	**+315**	*-6*	-26	43	+432	104	106	104	104	108	102		67	105	104	111	93	**104**
AWE	BE 456153928	**Powerpoll Et De Roccafarm**		Powerball P	Mogul	68	**+213**	*+6*	72	+732	+0.27	+0.11	+0.06	+57	+36	+39	**+279**	*+20*	-23	58	+286	104	104	106	99	103	99	102	72	101	105	111	101	**107**
Gex	US 3137794564	**Higherransom Samsung**		Modesty	Belair	57	**+213**	*-4*	65	+299	+0.70	+0.17	-0.01	+76	+26	+13	**+270**	*-16*	+46	44	+491	103	104	103		103	102		66	94	100	108	99	**102**
WWS	CA 109890137	**Swissbec Sammy-P**	PO	Jedi	Mardi Gras	58	**+213**	*+1*	66	+903	+0.11	+0.03	+0.00	+49	+34	+41	**+255**	*+12*	-55	46	+523	105	107	102		106	102		68	102	106	114	96	**107**
ABS	UK 585089702465	**Hillhead Beech**		Penmanship	Altaoak	57	**+212**	*+11*	65	+1690	-0.13	-0.04	+0.00	+58	+55	+77	**+370**	*+2*	-28	43	+428	102	102	101		101	107		68	99	103	109	99	**104**
	NL 649286472	**Dg Elvis**		Montana	Montross	63	**+212**	*-3*	71	+1788	-0.14	-0.28	-0.01	+61	+33	+81	**+288**	*+16*	+13	48	+613	102	105	105	105	106	105		72	99	104	109	94	**102**
CRV	US 3134407043	**Peak Pirate**		S-S-I Supersire	Tango	66	**+212**	*+10*	71	+1175	-0.12	-0.05	+0.02	+38	+36	+56	**+244**	*+36*	-85	56	+475	105	106	105	99	104	95	101	71	103	105	107	103	**107**
Alt	US 3134408765	**Peak Altabigfork**		Montana	Supersire	53	**+211**	*+20*	61	+1478	+0.15	-0.08	+0.00	+78	+43	+67	**+360**	*+41*	-40	41	+481	104	103	104		106	104		66	101	105	108	94	**102**
CRV	NL 622692582	**Visstein K&l Pablo**		Placid	Big Point	67	**+211**	*-7*	72	+839	+0.34	+0.09	-0.05	+68	+38	+33	**+309**	*-22*	-43	57	+428	104	101	104	100	101	99	104	72	106	103	105	103	**106**
LIV	US 3131992851	**Leaninghouse Jedi 22107**		Jedi	Jacey	58	**+211**	*-5*	66	+1634	-0.50	-0.11	-0.01	+17	+46	+74	**+247**	*+15*	-37	46	+581	105	106	103	99	107	101		70	100	104	114	95	**105**
Tot	DE 05393863 98	**Col Orion**		Afterburner	Racer	57	**+211**	*+2*	66	+573	+0.17	+0.09	+0.00	+40	+28	+26	**+207**	*-10*	-39	44	+642	107	105	103	102	104	99		68	103	105	111	99	**107**
Sam	US 3128978000	**Seagull-Bay Chr Elder**	RF	Charismatic	Balisto	53	**+211**	*-10*	60	+467	+0.21	+0.04	+0.00	+39	+20	+21	**+170**	*-3*	+35	40	+674	106	103	107	105		102		64	92	102	108	102	**103**
Dek	FR 5940169264	**Leroy Janochips**		Danno	Gold Chip	68	**+211**	*-4*	72	+623	-0.15	-0.06	+0.01	+12	+16	+29	**+100**	*-23*	-74	61	+473	109	105	109	104	105	94	103	72	104	106	111	109	**113**
Sem	US 3135766689	**Melarry Fuel**		Duke	Kingboy	56	**+210**	*+3*	63	+2068	+0.02	-0.13	+0.00	+90	+58	+94	**+455**	*+20*	-74	42	+427	101	99	102	96	104	100		68	106	103	111	97	**106**
Alt	US 3131664122	**Peak Altarevis**		Jett	Tango	55	**+210**	*-1*	63	+2169	-0.40	-0.15	-0.01	+48	+59	+98	**+372**	*+15*	-13	42	+305	104	103	106	100	107	95		64	99	102	107	94	**101**
STG	CA 12652492	**Stantons Hotline Cameo**		Hotline	Mr Mogul Delta	53	**+210**	*+0*	60	+1394	+0.10	-0.06	-0.01	+70	+42	+63	**+338**	*+21*	-34	39	+431	101	98	104	98	106	107		64	101	104	117	105	**113**
Sem	CA 12571467	**Claynook Fox**		Willsbro Abbott	Supershot	54	**+210**	*+1*	62	+1591	-0.19	-0.08	-0.01	+48	+47	+72	**+315**	*+11*	-57	41	+598	102	100	104		105	101		66	100	103	114	102	**109**
STG	US 3130010540	**De-Su Musc Mclintock**		Muscadet	Supersire	58	**+210**	*-5*	65	+1351	-0.12	-0.02	-0.01	+45	+45	+61	**+297**	*+2*	-20	47	+568	100	104	105	100	107	108		68	102	103	111	99	**106**
GGI	DE 0359235142	**Lestrup**		Louis	Suran	65	**+210**	*-2*	71	+951	-0.12	-0.01	+0.01	+29	+32	+44	**+205**	*+0*	-31	54	+622	102	104	103	105	101	101	104	71	102	105	109	105	**109**
Alt	US 3134408638	**Peak Altaexacto**		Extreme	Tango	59	**+209**	*+15*	67	+1052	+0.00	-0.07	-0.01	+45	+30	+47	**+232**	*+22*	-40	46	+570	105	105	103		102	99		69	104	106	111	100	**108**
Tot	US 3137164377	**Regan-Danhof T Case**		Tarrino	Jedi	52	**+208**	*-3*	60	+1578	-0.01	-0.02	-0.01	+66	+53	+71	**+377**	*-7*	-40	39	+261	100	103	106	100		105		64	104	103	113	98	**107**
CRV	US 3014562186	**Sandy-Valley Caleb**		Jedi	Supersire	66	**+208**	*+14*	71	+1636	-0.29	-0.01	+0.05	+39	+56	+80	**+336**	*+16*	-76	58	+495	103	101	105	100	107	102	101	72	101	103	113	99	**107**
Alt	US 3132676715	**Lambrecht Altaatani**		Silver	Supersire	61	**+208**	*+8*	69	+1734	-0.21	-0.19	+0.00	+52	+40	+79	**+297**	*-2*	-49	49	+518	102	103	104	98	105	103		71	106	107	109	102	**109**
Alt	US 3129037951	**Ihg Merlot**		Silver	Numero Uno	60	**+208**	*+0*	68	+591	+0.53	+0.09	-0.01	+75	+29	+26	**+284**	*+13*	-21	49	+492	102	104	104	97	104	105		70	103	105	112	99	**107**
Sem	CA 12283253	**Westcoast Scorpion**		Muscadet	Altaoak	57	**+208**	*-11*	65	+1112	-0.04	-0.01	-0.01	+43	+38	+50	**+261**	*+5*	-2	45	+513	104	103	102		103	102		67	101	103	114	99	**108**
Alt	DE 0666657294	**Sph Altagarcia**		Supershot	Numero Uno	60	**+208**	*-7*	69	+1393	-0.28	-0.06	-0.01	+31	+42	+63	**+256**	*+2*	-54	48	+706	103	105	102	102	105	100		71	106	106	107	100	**106**
Alt	US 3142181462	**Peak Altamocon**		Modesty	Rubicon	58	**+207**	*n*	67	+900	+0.37	+0.04	+0.00	+74	+35	+41	**+311**	*n*	+10	45	+423	101	102	108		103	102		69	99	103	106	101	**104**
LIV	US 3126680166	**Lismore Kngboy Tubb 6198**		Kingboy	Supersire	64	**+207**	*-6*	72	+1926	-0.29	-0.24	-0.01	+51	+41	+87	**+301**	*-9*	-72	53	+530	106	102	107	97	104	98		75	102	105	110	97	**105**
Alt	US 3131992939	**Leaninghouse Altadexter**		Altasuperstar	Kingboy	57	**+207**	*+9*	64	+911	+0.13	+0.04	-0.01	+51	+36	+41	**+267**	*+40*	-64	45	+410	106	104	107	98	103	101		68	103	103	113	98	**107**
Tot	UK 388380500653	**Willsbro Ss Astonishing**		Silver	Epic	69	**+207**	*+9*	72	+832	+0.08	+0.00	+0.06	+43	+29	+44	**+222**	*+12*	-114	60	+560	105	106	105	101	103	104	101	81	107	106	111	102	**110**
Alt	US 3132117150	**Pine-Tree Altafeisty**		Modesty	Supersire	59	**+206**	*+12*	67	+850	+0.25	+0.03	-0.01	+60	+33	+38	**+273**	*-24*	-26	45	+437	103	104	106	101	106	104		69	101	103	106	102	**105**
STG	US 3125993625	**Mr Kb Nightime 166**		Kingboy	Numero Uno	63	**+206**	*+4*	72	+1376	-0.15	-0.09	-0.01	+43	+39	+62	**+269**	*-6*	-40	52	+553	104	104	105		101	100		75	102	105	110	98	**106**
Sam	CA 12470245	**Lindenright History**		Doberman	Capital Gain	60	**+206**	*+5*	68	+1481	-0.34	-0.11	-0.01	+28	+40	+67	**+243**	*+22*	-47	47	+549	108	102	100		104	102		73	103	104	118	98	**110**
Tot	UK 388380400652	**Willsbro Ss Magic**	CD	Silver	Windbrook	67	**+206**	*+8*	72	+1009	+0.02	-0.09	+0.01	+45	+26	+47	**+215**	*+26*	-40	60	+656	103	101	107	99	103	98	103	72	102	105	116	102	**111**
Bov	US 3128769236	**Stantons Cadillac**		Monterey	Numero Uno	63	**+206**	*+5*	71	+873	-0.01	-0.08	-0.01	+36	+23	+39	**+182**	*+13*	-29	50	+670	105	104	108	98	106	100		74	100	103	115	99	**108**
Dek	CA 12076373	**Gillette Malcolm**		Silver	Shotglass	67	**+206**	*+11*	72	+665	+0.01	+0.02	+0.02	+29	+25	+32	**+173**	*+16*	-60	59	+387	107	105	105	98	104	99	103	72	102	107	113	104	**111**
Tot	US 74564973	**Plain-Knoll Maddox**		Bayonet	Mogul	60	**+205**	*+3*	68	+1780	-0.23	-0.09	+0.00	+52	+53	+81	**+351**	*+46*	-19	47	+500	98	103	102	98	104	106		69	101	103	109	100	**106**
STG	US 3130383801	**Tramilda Misso Solo**		Missouri	Headliner	64	**+205**	*-10*	73	+1864	-0.27	-0.19	+0.00	+51	+45	+85	**+317**	*+2*	+27	52	+462	104	98	104		103	100		73	93	100	110	101	**104**
CRV	US 3128365105	**Peak Venture**		Josuper	Plain-Knoll Man	66	**+205**	*-1*	71	+1023	-0.01	+0.03	-0.03	+43	+39	+44	**+263**	*+4*	-33	57	+289	104	105	105	104	102	104	100	71	97	105	116	99	**108**
Alt	US 3131131468	**Peak Altaextra**		Montross	Supersire	60	**+205**	*+6*	68	+1361	-0.14	-0.13	+0.00	+44	+34	+62	**+250**	*+20*	-16	48	+590	107	104	106	104	108	101		69	100	104	106	95	**101**
CRV	NL 695732882	**Weinterper Fusion**		Freeplay	Dynamo	67	**+205**	*+12*	72	+611	+0.17	+0.11	+0.10	+42	+32	+37	**+231**	*+16*	-34	61	+609	104	103	101	103	102	102	104	81	102	104	108	102	**107**
OBS	DE 0359270967	**Jetson**		Jetset	Brekem	68	**+205**	*-6*	71	+582	-0.06	+0.25	+0.06	+19	+44	+32	**+230**	*+2*	-49	58	+620	103	101	102	102	108	98	104	72	105	106	114	104	**112**
SZO	IT 020991026833	**Gandy Inseme Delvecchio**		Supershot	Numero Uno	58	**+205**	*-4*	65	+1019	+0.02	-0.08	+0.00	+45	+28	+46	**+223**	*-4*	-49	48	+629	105	105	104		106	101		69	103	105	110	99	**106**
STG	US 3138102883	**Ri-Val-Re Mod Mccord P**	PO	Modesty	Chevrolet	62	**+205**	*-5*	70	+507	+0.26	-0.01	+0.00	+46	+17	+23	**+173**	*-3*	+8	50	+465	104	103	110	101	102	107		71	98	101	115	104	**110**
Sem	CA 12478052	**Vogue Never Again PP**	RF PP	Calbrett Sifter	Capital Gain	55	**+204**	*+5*	61	+977	+0.08	-0.11	-0.01	+49	+23	+44	**+210**	*+31*	-41	42	+468	107	106	100	100	102	99		66	101	102	112	100	**107**
Mas	DE 0122525263	**Eastwood**		Eclair	Defender	66	**+204**	*+2*	71	+576	+0.13	+0.04	+0.04	+37	+24	+30	**+185**	*+3*	-58	56	+452	102	107	104	106	105	105	104	72	101	106	116	102	**111**
Dek	FR 5941776583	**Lebest**		Woodcrest Mogu	Supersire	66	**+204**	*-6*	71	+295	+0.15	+0.13	+0.02	+26	+22	+15	**+149**	*+31*	-38	57	+570	103	106	106	105	106	103	102	71	107	108	116	103	**113**
Sem	US 3014562173	**Sandy-Valley Anakin**		Jedi	Pure	58	**+202**	*+8*	66	+1800	-0.27	-0.08	+0.00	+48	+54	+82	**+347**	*+20*	-64	45	+395	103	104	103	96	106	102		69	102	106	113	94	**105**
CRV	NL 609983634	**Delta Mentor PP**	RF PP	Lion P	Maddock P	65	**+202**	*-23*	71	+458	-0.05	+0.10	+0.06	+15	+25	+26	**+142**	*-45*	+14	56	+581	105	105	99	106	104	97	103	71	101	103	111	104	**109**
Tot	NL 964549227	**Hul-Stein Lemon Pie**		Supershot	Fanatic	64	**+201**	*-11*	73	+1424	-0.21	-0.07	-0.01	+39	+43	+64	**+277**	*+0*	-41	53	+657	105	100	101	100	104	98		69	104	106	110	101	**108**
Sem	CA 12532153	**Westcoast Roundup**		Montana	Supershot	55	**+201**	*+4*	64	+1250	-0.16	-0.15	+0.00	+37	+29	+57	**+214**	*+12*	-52	41	+757	104	105	104		105	106		66	103	106	113	96	**107**

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NVI wordt berekend als INET officieel is, ontbrekende fokwaarden gaan niet mee in NVI

Inet = 0,3*kg lactose + 2,1*kg vet + 4,1*kg eiwit

NVImelkdoel = 0,4*Inet +0,08*lvd +4,7*UGH +6,3*VRU +1,8*Uier +3,6*Beenwerk +1,8*GEB +2,7*KGH + 0,23*BVK
NVIdubbeldoel = 0,35*Inet +0,09*lvd +5,2*UGH +5,2*VRU +5,2*Uier +6*Beenwerk +2*GEB + 5,2* VLi

Perspublicatie stierindexen Zwartbont genomisch zonder dochters

December 2019

Ki Ai	Stiernummer Bull number	Stiernaam Bull name	Erf-fa Her-fa	Vader Sire	M-vader MGS	Bt Rel	NVI NVI	+/- +/-	Bt Rel	kgM kgM	%V %F	%E %P	%L %L	kgV kgF	kgE kgP	KgL KgL	INET INET	+/- +/-	BVK SFCM	Bt Rel	Lvd Lon	Ugh Udh	Vru Fer	Gin Cal	Geb DCE	KA Tem	MS MS	Kgh CLW	Bt Rel	F F	T DS	U U	B F&L	Ext T
Melkdoel Zwart							pnt		**Productie**								€		€	**Functioneel**									**Exterieur**					
STG	CA 108644977	**Lesperron Stronger**	RF	Monterey	Numero Uno	60	**+201**	*+0*	67	+912	+0.11	-0.16	-0.01	+49	+16	+41	**+181**	*+9*	-11	48	+639	102	104	106		105	105		71	97	102	117	101	**109**
STG	US 3132352145	**St Gen Modesty Laredo**		Modesty	De-Su Altaleaf	57	**+200**	*-4*	65	+1918	-0.26	-0.17	+0.00	+54	+49	+87	**+340**	*-18*	+11	44	+288	99	102	106		105	108		68	96	101	109	101	**104**
OBS	DE 0538900473	**Sirius P**	PO	Silver	Earnhardt P	67	**+200**	*+1*	72	+1023	-0.01	+0.01	+0.05	+43	+37	+52	**+258**	*+2*	-19	59	+497	99	106	101	99	104	103	103	77	99	103	114	98	**107**
WWS	US 3136246981	**Holyland Simplicity-P**	RF PO	Modesty	Pine-Tree Relie	62	**+200**	*-6*	70	+1151	+0.01	-0.14	-0.01	+50	+26	+52	**+227**	*-7*	+5	49	+443	104	102	107	98	101	102		71	100	102	112	102	**108**
Kam	NL 590773027	**Big Keizer**		Spell	Shogun Ps	65	**+200**	*+5*	72	+888	-0.20	-0.03	+0.01	+18	+28	+41	**+165**	*+9*	-25	60	+584	108	103	100	101	98	96	103	72	96	103	110	103	**106**
	NL 586898277	**Koepon Altathor Pp**		Answer Po	Style P	54	**+199**	*n*	63	+920	+0.02	+0.06	-0.01	+41	+38	+41	**+254**	*n*	+22	39	+462	102	105	107	100		102		63	99	102	109	96	**103**
STG	US 3126775172	**Edg Kb Moxi 31167**		Kingboy	Numero Uno	66	**+199**	*+7*	73	+1010	+0.03	-0.02	+0.00	+46	+33	+46	**+246**	*+9*	-52	55	+494	103	105	108	100	100	99		75	104	103	111	98	**106**
	DE 0666765997	**Santano**		Slate	Supersire	61	**+199**	*+4*	69	+981	-0.15	-0.03	-0.01	+27	+31	+44	**+197**	*+0*	-51	50	+730	107	101	104	98				71	101	105	109	103	**107**
Alt	DE 0539274593	**Dg Ca Altanygel**		Altasuperstar	Defender	57	**+199**	*+30*	66	+1293	-0.19	-0.20	-0.01	+36	+25	+58	**+196**	*+62*	-35	45	+451	108	103	105		104	102		67	102	103	119	98	**110**
Tot	US 3136887577	**Aot Fs Halloween**		Flagship	Supersire	57	**+198**	*-8*	65	+1338	+0.15	-0.09	+0.00	+72	+38	+61	**+325**	*+11*	+22	44	+346	102	105	105	105	106	99		67	98	102	108	92	**100**
Kam	NL 669633054	**Aalshorst Multiplayer**	RF	Silver	Jerudo	65	**+198**	*+10*	72	+1084	+0.22	+0.01	+0.06	+68	+39	+55	**+319**	*-3*	-33	60	+348	102	101	99	100	104	105	100	72	106	107	108	106	**110**
Sem	CA 12609201	**Progenesis Othello**		Modesty	Altaspring	58	**+197**	*+21*	66	+1366	+0.03	-0.08	+0.00	+61	+40	+62	**+311**	*-11*	-5	45	+282	99	102	103	96	102	107		69	101	102	117	102	**111**
Tot	NL 876060421	**Koning Rambo**		Silver	Supersire	64	**+197**	*+6*	72	+683	+0.09	-0.10	+0.00	+38	+14	+31	**+147**	*+12*	-51	50	+680	106	105	104	100	105	104		72	102	105	112	102	**109**
WWS	US 3129340917	**Welcome Tarrino 3181**		Modesty	Mardi Gras	58	**+196**	*n*	67	+1106	+0.14	-0.10	+0.00	+61	+29	+50	**+262**	*n*	+14	44	+225	98	106	108	106	105	108		67	99	101	111	102	**107**
STG	US 3132353155	**St Gen 1st Grade Astro**		1st Grade	Silver	55	**+196**	*-7*	63	+1289	-0.08	-0.20	-0.01	+47	+25	+58	**+219**	*+6*	-67	40	+469	105	102	107	97	105	102		65	103	103	119	101	**112**
AWE	CA 11760200	**Alexerin Monterey Nailed It**		Monterey	Supersire	59	**+195**	*+4*	67	+1399	-0.07	-0.12	-0.01	+52	+37	+63	**+280**	*-3*	-23	48	+572	102	101	104		107	102		70	103	104	111	100	**107**
	CZ 000053745754	**Ostretin Ulsan**		Main Event	Supersire	57	**+195**	*n*	66	+1109	+0.07	-0.06	-0.01	+54	+33	+50	**+264**	*n*	-63	45	+509	102	106	104			103		66	105	106	105	100	**105**
Tot	NL 759707386	**Vekis Cobalco**		Kingboy	Supersire	67	**+195**	*-11*	72	+1775	-0.40	-0.23	+0.05	+33	+38	+86	**+251**	*-5*	-24	59	+523	103	100	103	97	103	99	103	72	100	106	111	103	**108**
Kam	NL 724915581	**Willem's-Hoeve Nudan**		Penley	Sudan	65	**+194**	*+21*	72	+1911	-0.43	-0.14	-0.01	+35	+52	+86	**+313**	*+23*	-13	58	+531	105	99	97	98	103	102	100	72	107	105	108	101	**108**
Alt	US 3142181420	**Peak Altaluxmode**		Modesty	Silver	57	**+194**	*+0*	65	+1101	+0.03	-0.10	+0.00	+50	+29	+50	**+239**	*-18*	-15	44	+405	103	102	107	100	103	102		66	98	102	113	102	**108**
	DE 0539196329	**Barcelona P**	RF PO	Battlecry	Revival P	63	**+194**	*+5*	71	+572	+0.22	+0.08	+0.00	+45	+27	+26	**+213**	*-8*	-10	51	+502	105	103	100		101	99		72	100	102	112	102	**108**
Tot	US 3144882592	**Siemers Lambda Haniko**		Delta-Lambda	Monterey	64	**+193**	*-7*	70	+837	+0.20	+0.05	+0.02	+55	+34	+40	**+267**	*+19*	-36	52	+521	103	99	105	98	105	101	102	69	103	104	119	99	**111**
Alt	US 3131131477	**Peak Altacompass**		Montross	Roylane Socra R	63	**+193**	*+10*	71	+1634	-0.34	-0.15	-0.01	+34	+41	+74	**+262**	*+34*	-11	51	+583	102	101	106	95	107	106		73	101	104	110	100	**106**
Alt	US 3129038274	**Ernest-Anthony Cold P**	PO	Powerball P	Beluga	59	**+193**	*-12*	67	+956	+0.00	+0.04	-0.01	+41	+37	+43	**+251**	*-22*	-33	47	+499	101	104	105		103	102		68	102	103	112	100	**107**
Alt	US 3136264642	**Ocd Altaswag**		Modesty	Bacon-Hill O Mo	57	**+193**	*+2*	65	+957	+0.21	-0.08	-0.01	+61	+26	+43	**+248**	*-20*	+6	44	+313	101	104	108	100	103	105		66	100	101	109	102	**106**
STG	CA 108767110	**Kakouna Cammaleri**		Capital Gain	Gillespy	58	**+192**	*-2*	66	+2063	-0.29	-0.08	+0.00	+56	+63	+94	**+404**	*+20*	-32	47	+258	103	99	102	95	103	99		69	103	101	107	98	**104**
Sam	CA 109890141	**Swissbec Yoda P**	RF PO	Jedi	Mardi Gras	63	**+192**	*+20*	71	+1252	-0.29	-0.10	+0.00	+24	+34	+57	**+207**	*+20*	-27	50	+530	103	108	105	104	110	102		73	99	105	112	94	**104**
Alt	DE 0538921530	**Hfp Altagotham**		Powerball P	Numero Uno	57	**+191**	*+0*	65	+1380	-0.23	-0.02	-0.01	+35	+46	+62	**+281**	*+2*	+1	47	+444	99	105	107	103	103	101		68	100	102	106	98	**102**
Adv	NL 895144845	**Willie Rolex**		Rubicon	Snowman	67	**+191**	*+13*	72	+1148	-0.03	-0.07	-0.01	+46	+33	+51	**+247**	*+26*	-34	59	+466	103	101	103	99	103	99	103	72	106	107	110	103	**110**
Sam	US 3137916770	**Ocd Kings Reserve**		Modesty	Kingboy	57	**+191**	*-7*	66	+456	+0.27	+0.07	-0.01	+44	+22	+20	**+189**	*-19*	-4	44	+476	103	103	107	103	102	104		67	100	103	112	103	**108**
STG	US 3123611235	**St Gen Mt Edge 67446**		Monterey	Lexor	61	**+190**	*+5*	68	+885	+0.00	+0.04	+0.00	+38	+35	+40	**+235**	*+17*	-33	49	+516	102	103	107	100	106	106		71	102	101	112	100	**107**
Alt	US 3138817681	**Welcome Altatopshelf**		Modesty	Supershot	57	**+190**	*-13*	65	+703	+0.16	-0.02	+0.00	+45	+23	+32	**+198**	*-26*	+4	44	+423	103	105	106	102	105	102		67	99	102	111	100	**106**
CRV	US 3133887391	**No-Fla Ashton-Et**		Lemuel	Supersire	65	**+189**	*+23*	71	+923	+0.35	+0.04	+0.00	+73	+36	+42	**+314**	*+23*	-22	53	+372	104	102	108	105	103	101	100	69	100	104	108	94	**102**
CRV	CZ 061929058	**Agras Ugo**		Supersire	O Man	65	**+189**	*+15*	72	+1329	-0.20	-0.03	+0.09	+36	+43	+70	**+273**	*+49*	-22	60	+287	103	104	106	106	104	102	103	72	104	106	102	100	**103**
Sem	CA 12478041	**Vogue Leap Year**		Monterey	Doorman	59	**+189**	*-3*	67	+972	+0.13	-0.02	+0.00	+54	+32	+44	**+258**	*-5*	-54	48	+469	101	104	106	100	107	100		70	100	102	111	100	**106**
Kam	NL 739114744	**Batenburg Texel**		Guard	Bertil	65	**+189**	*+10*	72	+1106	-0.24	+0.05	+0.01	+23	+44	+51	**+244**	*+24*	-5	59	+298	104	102	101	98	99	101	100	72	98	105	108	106	**108**
Sem	CA 12371170	**Westcoast Rigel**		Afterburner	Camaro	63	**+189**	*+12*	71	+868	+0.11	-0.04	-0.01	+48	+26	+39	**+219**	*+12*	-52	49	+528	103	103	104	97	106	103		72	104	104	111	103	**109**
Tot	NL 734692276	**Koepon Villi**		Doorsopen	Tango	58	**+189**	*n*	67	+609	+0.22	+0.04	-0.01	+47	+25	+27	**+209**	*n*	-28	45	+510	108	101	105	100	103	98		67	100	102	110	100	**106**
ABS	US 3135087305	**Stantons Erving**		Modesty	Main Event	57	**+189**	*+0*	66	+577	+0.21	-0.02	+0.00	+44	+18	+26	**+174**	*-10*	+30	44	+498	103	103	103	99	103	104		67	94	100	113	103	**107**
Sem	CA 109890165	**Swissbec Whisk P**	PO	Jedi	Mardi Gras	63	**+188**	*+4*	70	+1599	-0.36	-0.18	-0.01	+31	+37	+72	**+238**	*+14*	-61	51	+478	104	105	103	102	106	102		73	102	107	117	95	**108**
Xs	DE 0357455239	**Lars**		Racer	Supersire	63	**+187**	*+37*	72	+1286	-0.23	-0.08	-0.01	+32	+37	+58	**+236**	*-15*	-42	52	+355	103	104	104	103	107	105		66	105	103	113	101	**109**
CRV	NL 871715379	**De Vrendt Onkel**	PP	Ohare-P	Snowman	64	**+187**	*+7*	72	+1838	-0.58	-0.26	-0.03	+17	+36	+81	**+208**	*+3*	-20	59	+435	106	101	103	102	96	92	104	72	97	104	107	103	**105**
Tot	NL 520752955	**S.J.K. Anton P P**		Answer Po	Powerball P	57	**+186**	*n*	65	+1089	+0.21	+0.05	-0.01	+67	+43	+49	**+332**	*n*	+4	42	+409	101	101	107	99	104	104		66	103	103	110	94	**103**
Alt	US 3132117166	**Pine-Tree Altamedian**		Modesty	Supersire	59	**+186**	*-4*	67	+677	+0.16	-0.01	-0.01	+44	+23	+30	**+196**	*+2*	-4	46	+471	104	104	104		105	104		69	98	103	109	101	**105**
	FR 1454529772	**Drakkar Barbican**	RF	Main Event	Supersire	62	**+186**	*+17*	70	+481	+0.20	-0.11	-0.01	+39	+7	+21	**+117**	*+24*	-34	51	+734	107	104	101		105	103		73	100	105	112	102	**108**
Alt	NL 751090024	**Peak Altakameo**		Montross	Supersire	59	**+185**	*+13*	67	+1739	-0.26	-0.06	+0.00	+47	+54	+79	**+344**	*+31*	-38	48	+416	102	103	107	104	107	100		69	101	105	104	93	**99**
Alt	US 3127565625	**Clear-Echo Altapueblo**		Modesty	Supersire	57	**+185**	*-2*	64	+965	-0.02	-0.14	+0.00	+39	+20	+44	**+177**	*-23*	+26	45	+405	104	105	105		104	103		68	95	99	109	100	**103**
Alt	US 3139017373	**Zahbulls Altaedify**		Morris	Woodcrest Mogu	53	**+184**	*+10*	62	+1672	-0.09	-0.24	+0.00	+62	+33	+76	**+288**	*-11*	+16	38	+314	102	100	106			102		63	102	103	111	100	**107**
Sem	IT 17991786510	**Villy Silvio**		Willsbro Abbott	Doorman	55	**+184**	*-11*	63	+145	+0.51	+0.09	-0.01	+52	+13	+6	**+164**	*+4*	-32	40	+592	103	103	105	103	103	99		65	100	103	118	101	**111**
Gex	US 3132632950	**Co-Op Tesla Coolio**		River-Bridge Co	Midnight	54	**+184**	*+2*	62	+625	-0.09	-0.07	-0.01	+18	+15	+28	**+108**	*+17*	-19	39	+396	107	108	105			106		63	98	105	110	101	**106**
CRV	US 3134407010	**Peak Clutch**		Altastratify	Tango	66	**+183**	*+17*	71	+814	+0.29	+0.04	-0.06	+62	+32	+31	**+271**	*+21*	+24	57	+349	104	101	105	105	102	96	102	71	92	103	105	98	**100**
Kam	NL 934271679	**Jk Dg Chiel**		Troy	Fanatic	63	**+183**	*-40*	71	+336	+0.10	+0.01	+0.03	+23	+13	+18	**+107**	*+7*	+76	58	+707	101	104	104	101	103	104	104	72	99	101	108	101	**105**
CRV	US 3133887444	**No-Fla Arturo**		Lemuel	S-S-I Twist Mon	64	**+182**	*+10*	70	+1242	-0.16	-0.07	-0.05	+37	+36	+52	**+241**	*+11*	+31	52	+398	103	104	109	107	101	104	98	69	95	102	106	96	**100**
Kam	NL 662919298	**Beeze Bolistos**		Balisto	Maik	68	**+182**	*+12*	72	+271	+0.16	+0.34	-0.05	+26	+40	+8	**+221**	*+25*	-18	63	+574	105	101	94	101	103	103	100	79	97	103	110	104	**107**
Kam	NL 718453998	**Heuvel Nouri**		Malki	Paramount	67	**+181**	*-4*	72	+1100	-0.03	-0.05	-0.04	+44	+33	+46	**+242**	*-4*	-23	62	+441	103	99	103	95	100	94	104	72	100	104	105	106	**106**
STG	US 3126776967	**Genosource C-Matic Rhett**		Charismatic	Montross	55	**+181**	*+7*	63	+433	+0.53	+0.04	-0.01	+67	+19	+19	**+224**	*+15*	+43	40	+462	102	101	105			104		65	97	102	111	100	**105**
Mas	CH 120121465150	**Darlingo**		Doorman	Gold Chip	68	**+181**	*+25*	72	+1015	-0.43	-0.16	+0.03	+1	+20	+49	**+99**	*+30*	-64	59	+542	108	101	106	101	102	92	102	72	106	105	117	106	**115**
Sem	US 3147223681	**Stantons Horsepower**		Welcome-Tel Bre	Numero Uno	54	**+180**	*-10*	62	+1142	-0.04	-0.06	+0.00	+45	+34	+52	**+250**	*-19*	-19	41	+400	99	105	105	99	104	106		64	101	101	113	98	**106**
Kam	NL 584593875	**Koepon Topspin**		Topgear	Jeeves	64	**+180**	*-4*	71	-343	+0.61	+0.14	-0.08	+37	+0	-22	**+71**	*-1*	-7	57	+484	106	103	104	100	102	96	105	72	100	105	104	111	**109**
STG	US 3138102665	**Ri-Al-Re Mod Mitchum**		Modesty	Woodcrest Mogu	57	**+179**	*-1*	65	+1064	+0.21	+0.00	-0.01	+66	+37	+48	**+305**	*-20*	+13	44	+240	100	101	104		103	104		66	101	102	108	102	**106**
Adv	NL 922039700	**Holec Panzul Kilo Et**		Kingboy	Mogul	68	**+179**	*-16*	72	+1825	-0.26	-0.28	+0.06	+50	+34	+90	**+271**	*+12*	-124	60	+560	103	101	105	92	101	102	104	80	106	107	114	97	**109**

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NVI wordt berekend als INET officieel is, ontbrekende fokwaarden gaan niet mee in NVI

Inet = 0,3*kg lactose + 2,1*kg vet + 4,1*kg eiwit

NVImelkdoel = 0,4*Inet +0,08*lvd +4,7*UGH +6,3*VRU +1,8*Uier +3,6*Beenwerk +1,8*GEB +2,7*KGH + 0,23*BVK
NVIdubbeldoel = 0,35*Inet +0,09*lvd +5,2*UGH +5,2*VRU +5,2*Uier +6*Beenwerk +2*GEB + 5,2* VLi

Perspublicatie stierindexen Zwartbont genomisch zonder dochters

December 2019

Ki Ai	Stiernummer Bull number	Stiernaam Bull name	Erf-fa Her-fa	Vader Sire	M-vader MGS	Bt Rel	NVI NVI	+/- +/-	Bt Rel	kgM kgM	%V %F	%E %P	%L %L	kgV kgF	kgE kgP	KgL KgL	INET INET	+/- +/-	BVK SFCM	Bt Rel	Lvd Lon	Ugh Udh	Vru Fer	Gin Cal	Geb DCE	KA Temp	MS MS	Kgh CLW	Bt Rel	F F	T DS	U U	B F&L	Ext T
Melkdoel Zwart							pnt			**Productie**							€		€				**Functioneel**						**Exterieur**					
Alt	US 3131003450	**S-S-I Altadrago Et**		Modesty	Balisto	57	**+179**	*+0*	65	+962	+0.09	-0.11	-0.01	+50	+23	+43	**+212**	*-14*	-13	44	+385	101	104	106	101	104	107		66	100	102	112	101	**107**
Tot	NL 653319047	**Vekis Dg Tinder**		Montana	Tango	56	**+179**	*-8*	65	+1515	-0.31	-0.23	+0.00	+33	+29	+69	**+209**	*-6*	-46	40	+428	104	105	105	98	102	104		67	101	105	111	98	**106**
CRV	US 3135087254	**S-S-I Tog Reaves**		Modesty	Bacon-Hill Mils	63	**+179**	*-8*	72	+625	+0.17	-0.10	+0.07	+43	+12	+35	**+150**	*-14*	+55	55	+383	104	102	105	103	102	107	103	71	95	100	117	99	**107**
STG	US 3132352499	**St Gen Flagship Petty**		Flagship		55	**+178**	*-12*	63	+653	+0.33	+0.17	-0.01	+59	+39	+29	**+293**	*-4*	-39	41	+130	101	105	105	102	104	101		64	101	106	112	98	**107**
	US 3140616147	**Sandy Valley Cox**		Bandares		55	**+178**	*-6*	63	+560	+0.51	+0.12	-0.01	+71	+31	+25	**+284**	*-20*	-49	41	+227	101	101	103	93	105	110		66	103	106	113	105	**111**
	NL 699264187	**Cash Dupont Et**		Doorman	Observer	68	**+177**	*+14*	72	+677	+0.10	-0.04	+0.05	+38	+20	+36	**+173**	*+31*	-63	59	+452	108	101	100	101	102	94	103	72	104	106	119	100	**112**
Kam	NL 563274896	**Big Gospell**		Spell	Solero	65	**+176**	*+10*	72	+376	+0.29	+0.12	-0.13	+43	+24	+5	**+190**	*+17*	+46	60	+193	104	104	99	97	98	99	103	72	98	102	109	102	**106**
Kam	NL 761011307	**Poppe Selfie**		Silver	Danillo	65	**+175**	*+11*	72	+1053	+0.10	+0.03	+0.03	+55	+40	+51	**+295**	*-1*	-67	60	+262	101	100	101	97	102	98	100	72	105	105	113	106	**112**
Sem	CA 13098937	**Progenesis Syrah**		Kipper	Duke	52	**+175**	*-14*	59	+1616	-0.40	-0.22	-0.01	+27	+33	+73	**+214**	*-4*	-104	38	+557	106	101	101	97		101		62	103	104	120	99	**112**
Alt	US 3137794562	**Higherransom Altasummit**		Modesty	Belair	56	**+173**	*+1*	64	+750	+0.20	+0.01	+0.00	+51	+27	+34	**+228**	*-29*	+4	44	+315	100	104	104		103	103		66	102	102	109	102	**107**
ABS	US 3137917463	**Ocd Big Flavor**		Modesty	Halogen	57	**+173**	*+16*	65	+412	+0.06	-0.09	-0.01	+23	+6	+18	**+78**	*+12*	+60	44	+385	102	105	105		103	109		67	89	96	118	104	**108**
STG	US 3010353594	**Butz-Hill M-Leche 54847**		Montross	Meridian	65	**+172**	*+13*	72	+2711	-0.41	-0.31	-0.01	+68	+59	+123	**+422**	*+16*	-23	53	+258	100	98	98		103	104		75	103	100	108	97	**104**
STG	US 3126003264	**Sunquest At Rivalre**		Woodcrest Mogu	Supersire	56	**+172**	*+3*	64	+1003	+0.24	-0.01	-0.01	+66	+34	+45	**+292**	*-4*	+4	42	+236	99	103	105		104	104		66	103	105	103	102	**104**
Sem	CH 120124037903	**Grand-Clos Pinch**		Upright	Doorman	56	**+172**	*+8*	64	+796	+0.01	-0.02	+0.00	+35	+26	+36	**+191**	*+26*	-67	43	+551	102	106	108	101		100		66	103	104	109	97	**105**
Tot	NL 640909183	**Vekis Dvh Cannonball**		Main Event	Supersire	57	**+172**	*+11*	65	+805	+0.03	-0.08	-0.01	+37	+20	+36	**+171**	*+18*	-23	45	+554	101	104	104	102	105	100		68	97	107	109	103	**107**
ABS	CA 12074893	**Brenland Denver**		High Octane	Doorman	62	**+171**	*+7*	69	+1454	-0.17	-0.20	+0.00	+44	+30	+66	**+235**	*+29*	-73	49	+447	106	99	100	94	106	102		72	102	103	118	101	**111**
Sem	US 3138482899	**Siemers Bronze**		Merjack	Bookem	55	**+171**	*+5*	63	+844	-0.09	+0.00	-0.01	+27	+29	+38	**+187**	*+9*	-78	42	+456	104	103	103		103	100		66	103	105	115	102	**111**
STG	US 3125993703	**Farnear Legend**		Monterey	Numero Uno	59	**+171**	*-13*	66	+1089	-0.29	-0.08	-0.01	+18	+30	+49	**+176**	*-2*	-14	48	+662	102	102	106	103	107	103		70	100	103	114	98	**107**
Tot	DE 0539638647	**Col Magier**		Montana	Supersire	56	**+169**	*n*	65	+928	+0.08	+0.02	+0.00	+47	+34	+42	**+251**	*n*	-49	40	+454	100	106	105	97	106	104		65	104	106	112	93	**105**
Adv	NL 941020350	**Barnkamper Marilyn Clima**		Commander	Dempsey	67	**+169**	*+17*	72	+1173	-0.21	-0.09	+0.00	+29	+32	+54	**+208**	*+33*	-63	60	+308	107	102	102	97	103	100	101	72	105	105	113	100	**109**
	DE 1404867470	**Sha Meru**		Missouri	Mogul	60	**+168**	*+13*	67	+2055	-0.53	-0.21	-0.01	+30	+49	+93	**+292**	*+38*	+22	51	+297	98	101	103		101	101		69	96	99	109	101	**104**
Ves	IT 033990394803	**All.Nure Silv Scissor**		Silver	Doorman	61	**+168**	*+17*	69	+1278	-0.01	-0.09	+0.00	+53	+36	+58	**+276**	*+14*	-46	49	+469	104	97	99		103	97		72	104	105	114	102	**110**
Dek	FR 5502314160	**Mr Rosco**		High Octane	Dempsey	66	**+168**	*+16*	71	+863	-0.06	-0.15	-0.08	+31	+16	+32	**+140**	*+36*	-42	57	+319	106	104	104	99	105	104	100	72	104	104	122	99	**113**
Alt	US 3132117161	**Pine-Tree Altamoder8**		Modesty	Supersire	59	**+166**	*+3*	67	+969	+0.13	-0.10	+0.00	+54	+24	+44	**+225**	*-16*	-35	46	+379	101	104	105	99	106	102		70	102	104	106	101	**105**
Alt	NL 734691514	**Koepon Altaaric Pp**		Altacasual P	Style P	57	**+166**	*+1*	65	+1248	-0.21	-0.18	-0.01	+32	+25	+56	**+187**	*+1*	-4	45	+503	102	105	107	106	104	101		66	97	103	109	95	**102**
Sem	CA 12302957	**Progenesis Kevin**		Elude	Alta5g	59	**+165**	*-14*	66	+1372	-0.35	-0.24	-0.01	+23	+23	+62	**+161**	*-17*	-46	47	+518	105	103	101		102	100		70	98	103	114	100	**107**
Sem	US 3135145001	**Oh-River-Syc Crushabull**		Crush	Mogul	57	**+165**	*+18*	66	+1039	-0.25	-0.14	+0.00	+20	+22	+47	**+146**	*+27*	-20	43	+456	105	101	98	95	105	103		67	100	102	119	104	**112**
AWE	DE 0666809299	**Mister P**	PO	Milford-P	Balisto	66	**+164**	*+10*	71	+433	+0.20	+0.21	-0.05	+37	+34	+15	**+222**	*+26*	-21	56	+330	104	101	100	102	100	105	102	72	100	105	115	99	**108**
Sem	CA 12508113	**Walnutlawn Sidekick**		Willsbro Abbott	Mccutchen	56	**+162**	*+9*	65	+448	+0.23	+0.01	+0.00	+40	+17	+20	**+160**	*+11*	-53	41	+432	105	100	107	105	106	102		68	102	103	120	101	**112**
Tot	US 3125066425	**Welcome Tucker 2836**		Montross	Numero Uno	58	**+161**	*+13*	66	+2264	-0.62	-0.36	+0.00	+28	+39	+103	**+250**	*+23*	-10	48	+417	103	102	103	98	106	102		70	102	102	111	94	**104**
Sam	NL 681007000	**Grashoek Mareno**		Cogent Bill	Maik	55	**+161**	*-13*	62	+549	+0.10	+0.17	+0.00	+33	+35	+25	**+220**	*-27*	-78	44	+479	104	102	103	105	102	99		65	102	104	107	101	**105**
Sem	US 3130854065	**View-Home Skittles-Pp**	PP	Powerball P	Predestine	58	**+159**	*-13*	67	+1087	-0.19	-0.01	-0.01	+28	+37	+49	**+225**	*-19*	-5	46	+366	100	103	105		103	101		68	98	102	109	99	**104**
Kam	NL 660855332	**Kik Superbowl**	RF	Bolero	Badger-Bluff Fa	64	**+158**	*+9*	72	+261	-0.12	+0.01	+0.07	+0	+10	+18	**+46**	*-4*	+8	59	+519	108	104	102	101	101	95	99	72	99	105	114	102	**109**
LIV	US 3010353525	**Mr Dds Mt Hondo 54778**		Montross	Numero Uno	65	**+156**	*-5*	72	+1456	-0.19	-0.10	+0.00	+43	+41	+66	**+278**	*+4*	-7	53	+366	100	103	104	104	106	107		74	98	102	109	93	**101**
Sem	US 3138766413	**Aardema Dreamer**		Expander	Kingboy	54	**+156**	*-10*	62	+1636	-0.52	-0.35	-0.01	+15	+21	+74	**+140**	*-16*	-85	41	+546	106	103	103		105	102		66	100	103	119	97	**109**
Mas	DE 0360215732	**Mazio PP**	PP	Mission P	Balisto	65	**+156**	*-9*	71	+753	-0.40	+0.01	+0.03	-6	+27	+37	**+109**	*-2*	-40	55	+425	104	107	107	104	101	102	101	71	95	102	111	97	**103**
Sem	CA 12379966	**Progenesis Takeoff**		Elude	Alta5g	60	**+155**	*-13*	68	+1145	-0.18	-0.13	+0.00	+31	+27	+52	**+191**	*-11*	-51	47	+458	101	102	100	96	102	101		71	101	104	114	103	**110**
Mas	DE 0539391988	**Mikado PP**	PP	Milford-P	Brekem	66	**+155**	*-7*	71	+203	+0.51	+0.08	+0.02	+54	+14	+11	**+174**	*-14*	-16	56	+239	101	103	101	101	101	103	102	72	102	103	114	104	**111**
STG	CA 12231413	**Misty Springs Alroy**		Millennium	Meridian	58	**+151**	*+6*	65	+2220	-0.48	-0.29	+0.00	+42	+45	+101	**+303**	*+5*	-75	46	+201	104	97	101	94	104	104		68	103	102	114	101	**109**
ABS	US 3136876946	**Stone-Front Artist**		Crush	Mccutchen	59	**+151**	*+23*	66	+627	-0.05	-0.08	-0.01	+22	+14	+28	**+112**	*+37*	-74	45	+490	109	102	100	100	105	98		70	103	102	116	100	**110**
Kam	NL 738378123	**Het Meer Penstate**		Penley	Atwood	64	**+150**	*+22*	72	+474	+0.18	-0.03	+0.04	+37	+14	+25	**+143**	*+31*	-17	58	+372	105	103	101	99	101	93	99	72	98	105	114	100	**108**
Sem	CA 12719138	**Progenesis Kendal**		Jacoby	High Octane	56	**+150**	*+2*	64	+758	-0.01	-0.22	-0.01	+31	+5	+34	**+96**	*+20*	-72	41	+555	108	101	100		104	102		68	103	103	118	102	**112**
STG	US 3132352833	**Mr 1st Grade Suri**		1st Grade	Doorman	55	**+149**	*+2*	63	+1465	-0.51	-0.20	-0.01	+10	+31	+66	**+168**	*+4*	-71	40	+431	107	100	103	94	105	98		65	100	101	120	97	**109**
Sam	US 3134506807	**Siemers Apples Army**	RF	High Octane	Mogul	63	**+149**	*+6*	71	+962	-0.22	-0.26	-0.01	+20	+8	+43	**+88**	*+7*	-33	51	+487	105	102	102	94	106	106		75	104	105	116	104	**113**
GGI	IT 053990156464	**Alix**		Unix	Deman	51	**+147**	*n*	57	+809	+0.06	-0.11	-0.01	+40	+18	+36	**+169**	*n*	-36	41	+430	103	102	102	96	105	103		59	102	104	115	99	**109**
ABS	US 3143160110	**Farnear Aria Addison Ewl**	RF	Crush	Mccutchen	56	**+147**	*+12*	64	+211	+0.10	-0.14	-0.01	+18	-5	+9	**+20**	*+28*	-78	43	+371	110	103	102	96	105	98		66	103	104	119	102	**113**
CRV	NL 671160867	**Bacchus Chalk**	RF	Laurent P Rf	Fun P	63	**+144**	*n*	72	+1115	-0.46	-0.09	+0.01	+2	+30	+52	**+143**	*n*	-40	57	+352	102	103	101	101	99	102	104	72	102	104	109	103	**108**
Sem	DE 0539843397	**Wilde Katalyst**		High Octane	Doorman	58	**+143**	*-4*	65	+1421	-0.42	-0.21	-0.01	+18	+28	+64	**+172**	*+10*	-66	46	+431	105	99	101	94	106	102		69	104	104	120	100	**112**
	DE 0951375097	**Mailand Pp**	PO	Milford-P	Big Point	61	**+143**	*+4*	69	+722	-0.08	-0.05	-0.01	+23	+20	+32	**+140**	*+21*	+0	49	+400	105	99	99		100	101		69	100	102	116	103	**110**
	NL 685696167	**Koepon Altarex Pp**		Answer Po	Powerball P	54	**+142**	*n*	63	+1065	-0.03	-0.17	-0.01	+42	+20	+48	**+185**	*n*	+1	39	+436	100	103	105	100	104	103		65	97	104	111	96	**103**
Bov	US 3126775147	**Farnear Apples Imac**	RF	Kingboy	Mccutchen	60	**+141**	*+12*	68	+1111	-0.22	-0.22	-0.01	+26	+17	+50	**+139**	*-13*	-51	49	+441	102	102	106	99	102	104		71	103	103	116	100	**110**
Tot	NL 653400707	**Dg Ca Bear**		Beemer	Defender	59	**+140**	*-2*	67	+794	-0.16	-0.07	+0.00	+18	+21	+36	**+135**	*+1*	-69	46	+333	103	102	107	102	106	108		69	102	102	118	101	**111**
STG	CA 12120055	**Donnadale Lawyer**		Millennium	Mascalese	58	**+136**	*+1*	66	+1836	-0.39	-0.26	-0.01	+37	+36	+83	**+250**	*-1*	-55	46	+175	103	99	102		104	103		68	103	104	115	99	**109**
Sem	CA 12219766	**Lindenright Milehigh**		High Octane	Bradnick	59	**+136**	*-7*	67	+1365	-0.41	-0.23	+0.00	+16	+24	+62	**+151**	*-5*	-88	48	+404	105	100	102		106	97		70	105	105	118	101	**112**
Sem	US 3134506795	**Siemers Overwing**	RF	High Octane	Mogul	59	**+136**	*+0*	66	+700	+0.14	-0.17	-0.01	+43	+8	+31	**+132**	*-2*	-51	48	+318	104	100	102	98	107	104		70	102	104	116	105	**112**
STG	US 3141240919	**Kcck Appleway**	RF	Byway	Integral	56	**+136**	*+1*	63	+714	-0.12	-0.20	-0.01	+19	+6	+32	**+74**	*+4*	-67	43	+315	104	104	104	98	100	102		66	102	105	119	103	**113**
Sem	CA 109692831	**Progenesis Kipper**		High Octane	Alta5g	60	**+135**	*-8*	67	+1479	-0.39	-0.25	+0.00	+23	+26	+67	**+175**	*-13*	-88	48	+341	105	100	99	97	105	102		71	103	104	118	101	**112**
Tot	NL 678860825	**Jk Eder Hacket**		Defender	Numero Uno	58	**+134**	*+20*	66	+791	-0.13	-0.15	+0.00	+21	+13	+36	**+108**	*+18*	-9	48	+356	103	102	102	98	104	108		70	99	103	115	102	**109**
Tot	NL 738418683	**Dg Albero Eclipse**		Montross	Supersire	62	**+133**	*+15*	69	+2474	-0.36	-0.22	-0.01	+65	+61	+112	**+420**	*+24*	-36	50	+185	97	98	101	102	108	102		72	103	101	103	94	**99**
ABS	CA 42002070	**Brabantdale Atmosphere**		Jacoby	Mccutchen	56	**+133**	*-1*	64	+1325	-0.31	-0.45	+0.00	+25	+1	+60	**+75**	*+24*	-84	42	+580	108	99	103		105	102		67	101	102	118	102	**111**
CRV	CZ 774646053	**Sloupnice Zinar**		Silver	Rocky	28	**+131**	*n*	52	+1393	+0.13	-0.07	-0.01	+73	+41	+63	**+340**	*n*	-20															

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NVI wordt berekend als INET officieel is, ontbrekende fokwaarden gaan niet mee in NVI

Inet = 0,3*kg lactose + 2,1*kg vet + 4,1*kg eiwit

NVImelkdoel = 0,4*Inet +0,08*lvd +4,7*UGH +6,3*VRU +1,8*Uier +3,6*Beenwerk +1,8*GEB +2,7*KGH + 0,23*BVK
NVIdubbeldoel = 0,35*Inet +0,09*lvd +5,2*UGH +5,2*VRU +5,2*Uier +6*Beenwerk +2*GEB + 5,2* VLi

Perspublicatie stierindexen Zwartbont genomisch zonder dochters

December 2019

Ki Ai	Stiernummer Bull number	Stiernaam Bull name	Erf-fa Her-fa	Vader Sire	M-vader MGS	Bt Rel	NVI NVI	+/- +/-	Bt Rel	kgM kgM	%V %F	%E %P	%L %L	kgV kgF	kgE kgP	KgL KgL	INET INET	+/- +/-	BVK SFCM	Bt Rel	Lvd Lon	Ugh Udh	Vru Fer	Gin Cal	Geb DCE	KA Temp	MS MS	Kgh CLW	Bt Rel	F F	T DS	U U	B F&L	Ext T
Melkdoel Zwart							pnt		**Productie**								€		€	**Functioneel**									**Exterieur**					
STG	US 74599959	**Wfc 1stchoice**		Altal stclass	Headliner	59	**+129**	*-11*	68	+765	-0.11	-0.05	-0.01	+22	+22	+34	**+147**	*-4*	-18	47	+367	103	102	101		105	105		69	98	103	115	97	**106**
	CA 12260114	**Crasdale Chill**		High Octane	Numero Uno	63	**+129**	*+6*	71	+471	-0.02	-0.11	-0.01	+18	+6	+21	**+69**	*+11*	-47	52	+456	106	103	102		105	101		75	103	104	116	99	**109**
Sem	CA 12508097	**Walnutlawn Seeger**	RF	Dymentholm Mr	Alta5g	55	**+129**	*+3*	62	-195	+0.24	-0.11	+0.01	+12	-16	-8	**-43**	*+4*	-58	42	+471	109	104	102		106	101		66	102	102	122	103	**114**
Tot	NL 947694726	**Jk Dg Cornell* P P**		Powerball P	Earnhardt P	59	**+128**	*-7*	68	+1278	-0.18	+0.00	+0.00	+36	+45	+58	**+278**	*-26*	+5	47	+150	97	102	105	103	104	98		69	98	102	104	97	**100**
STG	DE 0539782028	**Col Dg Crushtime**		Crush	Mogul	57	**+126**	*+27*	64	+962	-0.36	-0.10	-0.01	+6	+24	+43	**+124**	*+35*	-58	44	+295	104	99	103	102	104	101		68	102	102	121	103	**114**
STG	US 3132353103	**Vieuxsaule Linden Ceo**	RF	Jordy	High Octane	54	**+126**	*-3*	62	+420	-0.12	-0.16	+0.00	+7	+0	+19	**+20**	*+15*	-75	39	+481	105	101	102	96		101		63	101	103	121	107	**116**
STG	US 3132353101	**Vieuxsaule Linden Cheer**	RF	Jordy	High Octane	54	**+125**	*+10*	62	+276	+0.18	-0.10	-0.01	+28	+1	+12	**+67**	*+16*	-86	39	+434	105	100	103	97		101		64	100	103	118	106	**113**
Sem	CH 120122915371	**Castel Bad**	RF	Bankroll	Mogul	58	**+119**	*+4*	65	+175	+0.04	-0.06	-0.01	+11	+1	+7	**+29**	*-7*	-7	47	+444	104	101	101	101		104		68	100	103	118	104	**112**
SZO	IT 017991461842	**Fer-Farm Inseme Lockart**		Altal stclass	Mogul	59	**+118**	*-4*	66	+433	+0.32	+0.00	-0.01	+48	+15	+19	**+168**	*+4*	-17	48	+210	101	101	103	99	104	109		69	100	101	114	99	**107**
STG	US 3140985591	**Winstar-Mh Empire Maker**		Saloon	Kingboy	64	**+117**	*-23*	71	+2210	-0.62	-0.34	-0.01	+26	+40	+100	**+249**	*-34*	-97	52	+165	100	101	104	97	101	103		73	102	103	115	96	**107**
Tot	US 3126682475	**Eastview Funny Face**		Crush	Airlift	65	**+117**	*+1*	71	+490	-0.18	-0.04	+0.03	+4	+13	+25	**+69**	*+28*	-82	55	+386	107	102	104	100	103	99	101	71	102	105	116	98	**109**
STG	US 3141495591	**Siemers Crush Apply**		Crush	Monterey	56	**+117**	*+9*	64	+36	+0.02	+0.04	-0.01	+3	+5	+1	**+27**	*+22*	-51	42	+479	104	102	101	97	107	103		66	102	104	120	103	**113**
STG	DE 0357842600	**King Alpha**		Kingboy	Gold Chip	64	**+117**	*+4*	72	-217	+0.19	-0.11	+0.01	+7	-17	-9	**-58**	*-4*	-52	54	+628	105	105	104	96	101	104		74	105	104	118	102	**113**
Ves	NL 665427345	**Olhoofster Revenge**		Danubio	Lonar	54	**+114**	*+26*	61	+1247	-0.27	-0.10	-0.01	+26	+33	+56	**+207**	*+26*	+16	45	+288	104	100	97	93	98	98		64	98	103	97	99	**98**
Tot	FR 6770943765	**Wilt Emilio**		Capital Gain	Yorick	66	**+114**	*+5*	71	+919	+0.05	-0.34	+0.07	+44	-1	+49	**+103**	*+12*	-75	58	+341	104	101	100	96	106	102	102	72	98	102	116	101	**109**
Sem	CA 12508170	**Walnutlawn Skyhigh**		Milehigh	Dymentholm Mr	53	**+111**	*-9*	60	+896	-0.30	-0.22	-0.01	+9	+10	+40	**+72**	*+0*	-97	39	+439	107	98	101	92		95		64	106	102	122	102	**115**
LIV	CA 110296904	**Blondin C Calvados**		Callen	Numero Uno	54	**+109**	*-31*	62	+176	+0.14	-0.09	+0.00	+20	-2	+8	**+36**	*-32*	-20	40	+336	104	105	100	98	106	106		66	101	103	116	98	**108**
LIV	US 3146864323	**Our-Favorite Upgrade**		Crush	Atwood	57	**+101**	*+14*	65	+69	+0.10	+0.01	+0.00	+12	+3	+3	**+38**	*+26*	-72	44	+392	105	101	98	93	105	100		67	101	102	117	104	**112**
ABS	US 3144509332	**Calori-D Cs Crush Pileup**		Crush	Beemer	56	**+101**	*+12*	64	+274	-0.26	-0.04	-0.01	-12	+6	+12	**+3**	*+14*	-55	42	+411	106	101	102	98	106	102		66	100	103	121	101	**112**
STG	US 3132353348	**Sunnypoint Paradise**	RF	Jordy	Doorman	54	**+100**	*+17*	62	+339	-0.03	-0.17	-0.01	+12	-4	+15	**+13**	*+17*	-81	39	+425	106	101	102	93		101		63	103	102	119	102	**112**

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