



GENETIC DEFECTS & FACTORS

Genetic defects occur in all breeds of all species. The following is not published to imply the Angus breed has serious problems with them. It doesn't. Nor is it published to imply Angus cattle are susceptible to more defects than are other breeds. They aren't. Rather, the information is published in keeping with the American Angus Association's open policy, a policy intended to provide information to people who raise cattle.

Please note that, in addition to reported carriers of genetic defects or genetic factors, there is also a list of those animals who, through progeny testing (which results in 99% accuracy), have been determined free of the named defects.

As other animals are added to any of these categories, they will be listed in the Angus Journal column "Breeder's Reference."

REPORTED CARRIERS

This is a list of Angus bulls and cows that have been reported to the American Angus Association by their owners as having sired or produced calves with one or more of the six genetic defects or factors being monitored by the Association.

It is not a list of all Angus that are carriers of genetic defects or genetic factors. Only cases that are reported to the Association by the owner or owners of the animal (or are verified by a veterinarian) at the time the defect or factor was discovered are listed.

If a registered Angus bull is known to have sired a calf with one of the six defects or factors, this information is required on the application for artificial insemination (AI) service certificates and is then printed on all certificates issued for that bull.

The defects are divided into two classes, Class I and Class II.

The asterisk (*) before an individual listing indicates the certificate of registration has been cancelled.

Class I Defects

Class I defects include dwarfism, osteopetrosis (marble-bone disease), double muscling and syndactyly (mule foot). These defects are lethal or seriously disabling, or they seriously affect reproductive performance.

Carriers of double-muscling gene

Bulls

- * 3197920 Peace Garden Eileenmere 54
- * 5221252 Pittman of Wye
- * 5672767 Bellemonte M W 1446
- * 7783643 Big Elban D B 107 of Moore
- * 8526639 Marshall Pride O 253
- 8528463 C R R Super Emulous
- 8536037 Quartermaster of Bilrite
- * 8677728 Double Four Revolution 9G
- * 9315953 W A R Band 8199 5116 3660
- * 9690095 Broken Arrows Emulous 217
- * 9810437 Black Revolution 32580

Cows

- * 6948965 Black Lady Kay
- * 7848411 C C Jingo Bar Robin 163
- * 9251896 Eldorene of Prairiedge 4

Carriers of dwarfism gene

Bulls

- * 4463758 Garretts Commander E 2394
- * 6347225 Kelly M S R
- * 6968224 Emulous El Para 25
- * 7677766 Black Watch Lodge 252
- * 9034218 Shoshone Titan HDA29
- 12838783 High Valley 7D7 of 4G9
- 13630253 High Valley OR47 of 3D22
- 13862855 RS 0602 of DHD Trav 6807X4G9

Cows

- * 4136902 Princess Jilt of G A F
- * 7731753 MT Springs Blackbird 01
- * 8115050 Mountain Springs Marshall
- 11912675 High Valley 3D22 of 6V16
- 13437917 High Valley 9C40 of 3H4
- 13502707 U W Blackcap B601-9025
- 13649255 Dimke OC32 of 4D4 4C6Ambush
- 13649271 Dimke OC30 of 4D4 4C6Ambush

Carriers of osteopetrosis (marble-bone disease)

Bulls

- * 3948706 Ramsey Bardoliermere 21
- * 4256726 Ramsey Bardoliermere 45
- * 4904033 Ankonian Protagoras
- * 6551070 Table Land Ambassador 869
- * 6748975 Black Revolution 290
- * 7130777 Marshall Pride 321
- * 7387321 Malpas of B A R 1334
- * 7431761 Paintrock Raven 15
- * 7539869 Emulous Goldspur 17
- 8524408 Shoshone Titan FD60
- * 8640610 T Tim 95 of Sioux Hill
- * 9218061 Shoshone Samson V V R 29
- * 9664722 Stonylonesome Power Play
- * 10910778 Traveling Fanny A926

Cows

- * 3197896 Eva Sioux
- * 5360180 Eline A of Sky Ranch
- * 6649713 F B Eileenmere Elia 21
- * 7696464 Galahad Lucy of W S F25
- * 8612933 Emulous Barbara M of B&D
- * 10249122 Green Garden Eulima 2103 C
- * 10839990 Stonylonesome Blackcap 626
- * 10849322 Clar li 33 Pawn
- * 10849325 Clar li 33 Token
- * 10849328 Clar li 33 Unity

Carriers of syndactyly (mule foot)

Bulls

- * 5295903 Marshall Pride 256
- * 7281936 Marshall C 1211
- * 7522015 E B Black Marshall
- * 8113045 Black Marshall 482
- * 8345935 Blackrock Tall Tim
- * 8583618 D D H Marshall C 505
- * 8726675 Cottonwood Eminence
- * 8970617 W A F Stud 749
- 9472805 Creston Mr America
- 9668211 W A F Sultan
- 9933553 W A F Explodent
- 10085294 Premier 7 11
- 10990897 Hoff Dallas of S C 251

Cows

- * 7381232 Pride of Chadbourn 248
- * 7381243 Queen Eileen 278
- * 7391990 Tinys Lass 8
- * 7396504 Tinys Lass 9
- * 7514675 C&G Gay Lady 1202

- * 7779995 Premier Blackline 2093E
- * 8192365 Eva Marshall 420
- * 8547226 W H Proud Kathy 5 1
- * 8714168 W A F Sporty Betty 630
- * 8801677 Enchantress G 146 of Elmdale
- * 8806635 Marshall Lass E B 604
- * 8949746 C & G Pride F74
- * 8949758 C&G Bell F76
- * 8985662 Blackbird G 57 of Elmdale
- * 8985680 Pride G 257 of Elmdale
- * 8985711 Elba G 647 of Elmdale
- * 9049242 Marshall Lass E B 742
- * 9082278 C W Black Pride 1007
- * 9318508 Torro Negro Lucy 25K

Class II Defects

Heterochromia irides (white eye) is the only Class II genetic defect now monitored by the American Angus Association. Although affected calves have abnormal skin and eye pigmentation, the disease is not known to affect the reproduction, growth or beef-producing ability of an animal. The animals, however, are extremely light-sensitive, which makes the eye pupils always constricted in daylight, giving the eyes their "slitlike" appearance.

Cows that have produced affected calves are not included in this listing, and affected calves are ineligible for registration by the American Angus Association.

Carriers of heterochromia irides (white eye)

Bulls

- * 7636510 Happyvale Stud
- * 7912733 Corvallis Poundmaker 36 73
- * 8714441 Dakota Poundmaker 776
- 8718562 Wetonka 2446
- * 8910857 Happyvale Olympic 012H
- 9185663 Glenns Stud 908
- * 9196894 Sir Wms Warrant
- 9386957 Sir Wms Rocky FF
- * 9615684 R F Blackcap Grandeur 1069
- * 9722404 Double Four Advancer 6L
- 9734593 7 S High Caliber 037
- * 10999372 J A R Gold Star 227
- 11395611 Ginger Hill Boss 150

Genetic Factors

Red color is the single genetic factor monitored by the American Angus Association. It is monitored because it is caused by a simple recessive gene and because red calves are not eligible for registration under the rules of the American Angus Association.

This makes red calves an economic liability to some registered breeders, and some commercial cattlemen would rather not have

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red calves in their herds. On the other hand, red color has no effect on the reproduction, growth or beef-producing ability of an animal. Breeders are divided in their opinion of the seriousness of the red color gene in Angus cattle.

Carriers of red color gene

Bulls

* 2409651 Emulous 7000
 * 4017278 Emulous T N 500
 * 4180193 Burger of Lakewood 19
 * 4429212 Em Mc Henry T 63
 * 4614694 Stone Gate Executive 15
 * 5099457 Certain of Wye
 * 5143898 Mr Eileenmere of Circle H
 * 5708887 Emulous 761
 * 5791522 Emulous 43
 * 5869737 Emulous 55
 * 6064067 Emulous F28
 * 6256535 B&M Emulous 12
 * 6274681 Biffles Emulous 775
 * 6308225 Biffles Emulous 871
 * 6364176 Emulous D43
 * 6418144 Cardinal of Wye
 * 6431623 Emulous A400
 * 6639770 Ankonian Dynamo
 * 6669229 Shalco Colossal 203
 * 6670778 Biffles Emulous 979
 * 6681883 Elban Bardolier 77 Burduc
 * 6726259 Geordus of B A R 686
 * 6726333 Geordus of B A R 771
 * 6748947 Eliminator of Wetonka 400
 * 6765148 Emulous 260
 * 6918147 Sun Up Emulous 4 46
 * 6971895 Sequoia Emulous K 860
 * 7055630 Biffles Emulous 016
 * 7096610 Biffles Emulous 044
 * 7133508 Juanada 41 of P J M
 * 7139222 Marshall Pride 881
 * 7163813 Biffles Emulous 007
 * 7173284 Jumboizer 183
 * 7213803 PBC Futuro 1M C 0051
 * 7226592 Charge of Wye
 * 7238066 Biffles Emulous 051
 * 7252535 Corbin Ranch Emulous 1014
 * 7296691 Black Power T 10
 * 7372751 Holts Emulous Pride 70
 * 7379593 Biffles Emulous 165
 * 7419924 Ropers Emulous 97
 * 7457090 Sayre Dynamo 16D
 * 7473692 Windac Pacesetter
 * 7480304 Marshall Duke
 * 7530256 Cummins Emulous 82
 * 7631951 El Capitan Pathfinder
 * 7721502 Emulous Bar H 528
 * 7753801 Claybrook Northern Colossal
 * 7760235 Summitcrest Dynamo S 3
 * 7799820 Ankonian Dynamo 27043
 * 7847029 Biffles Emulous 231
 * 7874294 Tail N Emulous 1025
 * 7891394 Sayre Dynamo 651E
 * 7948502 PBC 0038 1M E1973
 * 7950437 Larkspur Lance
 * 8057484 Ankonian Dynamo 164
 * 8074547 Yattton Advancer
 * 8102578 Early Sunset Image 7E
 * 8191995 Happyvale Eston Bar 69E
 * 8242824 Hubers Emulous 043
 * 8338061 Premier Jackpot
 * 8402255 Sayre Dynamo 410G

8415088 Black Power T 50
 * 8425957 Grand Oaks Goldspur 101
 * 8465813 Dakota Poundmaker 375
 * 8494875 Ankonian Dynamo 72065
 * 8506280 Bowstead Sir Dynamo
 * 8507691 Hales Emulous 111
 * 8520054 Ankonian Dynamo K Plus
 * 8546149 Blackcap Grandeur O 15
 * 8568845 Big Elban of Rubud 5012
 * 8616595 Dynamo W26
 * 8637411 Early Sunset Emulous 4C
 * 8715715 Chief Blackhawk Young Y57
 * 8726705 Garney Emulous Extender
 * 8743117 Holts Geronimo 6214
 * 8750917 Tail N Emulous 1720
 * 8753016 Rito 707 Select 6060
 * 8781463 PBC F0203 1M J0006
 * 8785234 Wayrich Beaumont
 * 8819201 Summitcrest Emulous 0H62
 * 8827142 2 B Charge 6104
 * 8861925 Ankonian Dealer
 * 8889710 R F H Eileenmere Colossal
 * 8973088 Winton of Mel Mar W1
 * 9000000 Sayre Patriot
 * 9016600 B L Emulous Master 263
 * 9026224 Summitcrest Poundmaker
 * 9040809 Stewarts New Look
 * 9046863 D J Prince 53A
 * 9088882 Summitcrest Emulous 177J
 * 9201110 Nelson Hi-power
 * 9203698 Rubud Elban Bardolier 8067
 * 9225301 W A F Blackcap Granduer 870
 * 9249219 Wagners Select Rito 224 885
 * 9253763 Premier High Roller
 * 9264929 Stewarts Ankonian Highlite
 * 9273740 Schearbrook Commander
 * 9303600 Double H H Jake 8575
 * 9394187 Pineview Band 234 129
 * 9405000 W A F Pilgrim
 * 9417542 Silveiras Main Event
 * 9456347 Rally Patriot 5039
 * 9465759 Haffner Excitement Sunrise
 * 9467046 Continental
 * 9485474 Nelson Freestyle
 * 9486886 V P I Lord Patriot 9025
 * 9583623 D D Black Stud 929
 * 9584995 Sayre Jubilee
 * 9604595 QLC Mr Angus H942L
 * 9630765 Skarship Gieger 940
 * 9671598 J R S Warrants Reward 22M
 * 9700501 Sequoia Patriot 9301
 * 9810760 Meadow Mist Myogram 088
 * 9829666 Viking High Country
 * 9897585 Black Jack 21
 * 9906195 Rally Ivy League 171
 * 9932844 Basin Black Hawk
 * 9948395 Leachman Voyager
 * 9994985 Hillhouse General Eisenhower
 * 10019688 Garney Leonard 888N
 * 10080493 Monogram Emulous Council
 * 10096701 Hughes Farms Prideline
 * 10143582 T H Daddy Warbucks
 * 10159072 R&J Dallas 752
 * 10215075 High Profit F A R
 * 10257782 Centurion of Arlee 62
 * 10312997 Stewarts Spartacus
 * 10326296 Oak Ridge Siegfried
 * 10342440 Gallaghers Yankee
 * 10344555 Leachman Full Image
 * 10356646 Nelson Gold Dust
 * 10358657 Evolution HK 0453

10518735 S C R Lone Star 411
 * 10520291 4G High Time
 * 10527910 U T Patriot 6082
 * 10609709 Twin Oaks
 * 10633854 Burthlene Cannoneer 21R
 * 10634102 R&J Precision 2404
 * 10648572 Nelson Bold Ruler
 * 10681804 Basin Rainmaker 2135
 * 10692753 Silveiras X-tra Special
 * 10700173 Gibsons Private Reserve
 * 10747309 Powerline Kayo
 * 10793939 Pinehills Levi
 * 10848959 Hoff Esso S C 433
 * 10852649 Bear Creek Power Drive 6106
 * 10938381 Givens Dividend 7086
 * 10944315 Brost Dan Patch
 * 10990897 Hoff Dallas of S C 251
 * 10990965 Hoff Dallas FT Worth S C 456
 * 10990967 Hoff Super Star S C 464
 * 11005066 S A F Napoleon
 * 11089097 Silveiras Presley
 * 11105718 Century Starburst 48
 * 11106569 Hillhouse Ponderosa 7023
 * 11124389 Summitcrest Sasquatch 043X
 * 11138804 Hoff Spade S C 3119
 * 11138902 Hoff Dominator S C 978
 * 11178419 R&J Will Rogers 1328
 * 11249521 Nelson Donovan
 * 11249535 Nelson Mac Kenzie 9126
 * 11267660 C F Alternative
 * 11302804 G F S B Excel
 * 11400944 Grubbs Callahan
 * 11401078 Lost Lake Home Run
 * 11423772 Cedarcrest
 * 11433378 Gardens Sensation 039 S1
 * 11439560 WK Excess
 * 11439820 Canadian Extra 046
 * 11478165 R&J Innovator 180
 * 11508659 Waf Enchanter 083
 * 11510497 Af Bold Ruler 057
 * 11596042 S D S Scotty 123A
 * 11660578 J L C Power Drive 340
 * 11715102 Sensation 416B of JRS
 * 11740920 Leachman Watchtower
 * 11744157 Nelson Designer
 * 11751617 Echo V Frosty Pine DRS Son
 * 11771798 Pruitts Bando 001
 * 11858740 J O Monarch 233
 * 11878479 Maplecrest Sledge
 * 11911769 W C C Arapahoe C6
 * 11921742 U T Mr 53
 * 12361542 E A F 6807 Traveler 4B48
 * 12438890 Leachman For Real 3276E
 * 12457467 Ankonian Emulation 01R0
 * 12792721 Twin Valley W A Enforcer 01
 * 12792722 W A Eagle 02
 * 12805241 Spring Cove Exchange 509A
 * 12805265 Spring Cove Dedication 7426
 * 12833675 D D R Extra Western 6036
 * 12850389 Hi Flyer of Moore 97
 * 12974910 Leachman Trav 044 3033G
 * 13057276 Bonanza 8808 C A R G18
 * 13107099 Spring Cove Hi Road 509B
 * 13110479 Spring Cove Stockman 961A
 * 13110482 Spring Cove Stockman 961E
 * 13110483 Spring Cove Stockman 961F
 * 13231406 Twin Valley Regal 3938
 * 13276088 W A Big Boy 01 853
 * 13460678 Twin Valley Enforcer 9251 G
 * 13553338 F A Exchange 010

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13553340 F A Exchange 012
 13553343 F A Exchange 016
 13553344 F H Exchange 017
 13558161 Basin Max 2840
 13561587 Twin Valley W A Enforcer 952
 13561593 Twin Valley W A Enforcer 958
 13579847 Garrison Mr Force 416D 9227
 * 13607970 Mc Cumber 896 Ferdinand 041
 * 13607974 Mc Cumber 701 Foundation 046
 13622366 W C C Checkmate J28
 13764497 R G Ambush 1610
 14110228 Burly Black

Cows

* 10127421 Mignonne S
 * 10409124 Spring Cove Gwen 369
 * 10713157 Premier Blackcap 6276A
 10811488 Day Queen K C 46
 10811493 Day Queen K C 85
 11307501 S V F Forever Lady 992
 * 11541315 Springcove MS RR Traveler142
 * 11601956 Blackbird of Plattermere 264
 11725243 Windy Firs Rachel Mac Kenzie
 11911768 W C C Blackcap C9
 11920308 Ankony Dina Mabel T628
 11924020 Spring Cove Prairie Star 361
 11928155 E A F Blackcap Bessie 752
 11954629 Basin Heather Bloom 48C
 * 12017314 Blackbird of Plattermere 278
 12017377 Blackbird of Plattermere 279
 12097341 Ankony Blackbird V032
 12102821 Ankony Blackcap V583
 * 12407731 Spring Cove Georgia Se 509
 * 12409785 W C C Erica E62
 12446220 Windy Firs Miss Dallas 55
 12525933 Sunny S A L E18
 12588692 Spring Cove Hope 6807 610
 * 12592023 Engelberg Erina 5B56
 12613296 W C C Blackcap F1
 12738266 W C C Blackcap F162
 12750556 Bonnie of Grayling 103
 12758214 Ankony Pride 036R
 * 12805214 Spring Cove Star 729
 12805233 Spring Cove Er Kindness 760
 13005283 Windy Firs Blackbird 28
 13076845 Spring Cove Hi Alice 838
 13080295 Spring Cove Kindness Ext 852
 13080296 Spring Cove Kindness Ext 857
 13088945 Spring Cove Pretty 365 841
 13088947 Spring Cove Pretty 365 856
 13214586 Twin Valley Blackcap 1218
 * 13231403 Twin Valley Blackcap 3848
 13231407 Twin Valley Blackcap 3948
 13231408 Twin Valley Blackcap 3958
 13248972 Garrison 8199 MS Pride N4
 13276093 W A Elmaretta 801
 * 13276095 W A Ballinda 804
 13276097 W A Merle 01 806
 * 13276098 W A Peggy 01 807
 13276102 W A Pride 02 814
 * 13276103 W A Sue 02 815
 13402521 W C C Blackcap I621
 13561594 W A Miss Executive 909
 13608009 Blackcap 098 of Mc Cumber
 14378533 Ardrossan Wilcoola Q17

Carriers of wild-type color gene

Similar to carriers of the red gene, animals that carry this allele can produce red progeny.

This genotype can only be identified through DNA coat-color testing.

Bulls

12883650 WK Dateline 7270

REPORTED FREE

Following is a list of bulls and cows that have been progeny-tested under the guidelines of the American Angus Association and found to be free of the following genetic defects or genetic factors.

The asterisk (*) before an individual number indicates the animal is dead or is no longer being used in a registered herd.

The following abbreviations appear on pedigrees of animals progeny-tested under the Association guidelines.

GDF—Tested free of all defects

FS—Tested free of syndactyly

FH—Tested free of double muscling

FHG—Tested free of horn gene

FD—Tested free of dwarfism

FM—Tested free of marble-bone disease

FR—Tested free of red

RFD—Carrier of red gene but tested free of dwarfism

RFS—Carrier of red gene but tested free of syndactyly

FX—Tested free of multiple defects (contact Association)

Reported Free

Tested free of all genetic defects and genetic factors monitored by the Association

Bulls

* 3523842 Fendell of Wye
 * 4020202 Lodge of Wye
 * 5475692 Camilla Chance 37 T
 * 6418059 Chenault of Wye
 * 7087561 Emulous Arrowhead 194
 * 8043824 Southolm Hercules 40D
 8536031 Proudman of Bilrite
 * 8805991 Shoshone Viking GD60
 * 8974207 P S Power Play
 * 9034175 Shoshone Shannon HC3
 * 9819973 Lovana
 11899164 Ginger Hill 6807 Traveler 23

Tested free of syndactyly**Bulls**

* 8113041 Black Marshall 476
 * 8916613 Biffles Marshall 632
 9397601 Ellanin Affirmed 1K
 10077500 W A F Exceller
 10152265 Creston Mr Universe
 11957023 S A Executive

Cows

8714179 W A F Lassie
 * 9015915 Bandomere 22 of C W
 * 9484180 C F Dressy Queen 3359
 * 9497749 W A F Zaramere 905
 9612794 Pride Eston M 673

Tested free of dwarfism**Bulls**

* 3422114 Ankonian L 244
 * 3589521 Atlas Marshall
 * 3651067 Mc Burgess Heckettier 99

* 4211671 Longleaf Elegance 36
 * 4285114 Emulous Pride 70
 * 4742606 Ankonian Projector
 * 4771252 Ankonian Futura
 * 4917253 Ankonian Gay Jingo
 * 5964896 Bandoliermere G V 13S
 * 6064368 Emulation 31
 * 6370754 Ankonian Bandoliermere 11769
 * 6563183 Double Torch
 * 6572819 Reichs Ankonian 8 A
 * 6639770 Ankonian Dynamo
 * 7087515 Ankonian Catalyst
 * 7372751 Holts Emulous Pride 70
 * 7518921 Nelsons Dynamo Cornerstone
 * 7540371 Nelsons Dynamo Big Wheel
 * 7935027 Schearbrook Cherokee
 * 8657114 Happyvale Marshall PRIDE013G
 * 9000000 Sayre Patriot

Tested free of red color**Bulls**

* 3422114 Ankonian L 244
 * 3589521 Atlas Marshall
 * 3651067 Mc Burgess Heckettier 99
 * 4211671 Longleaf Elegance 36
 * 4285114 Emulous Pride 70
 * 4742606 Ankonian Projector
 * 4771252 Ankonian Futura
 * 4917253 Ankonian Gay Jingo
 * 5964896 Bandoliermere G V 13S
 * 6064368 Emulation 31
 * 6370754 Ankonian Bandoliermere 11769
 * 6563183 Double Torch
 * 6572819 Reichs Ankonian 8 A
 * 7087515 Ankonian Catalyst
 * 7518921 Nelsons Dynamo Cornerstone
 * 7540371 Nelsons Dynamo Big Wheel
 * 7935027 Schearbrook Cherokee
 * 8657114 Happyvale Marshall PRIDE013G
 * 9552488 Marands Receipt
 9591326 R&J Justice 1359
 10698677 Hoff Challenger S C 862
 11536953 TPC Ivy League 98 137C
 11621009 M D G Chairman 1041
 12179553 Melmar Shaft S28
 12234092 Nichols Performa D162
 * 12243124 Sa Stockman 426
 12251138 Polo Peak Sensation 6554
 12307300 Krugerrand Merger 34
 12333453 Basin Ambush 3905
 12346200 Twin Valley Precision E161
 12353254 Bon View Precision 95
 * 12357489 Stevenson Sensation 484E
 12408691 S S Durabull 55E
 12448518 F A F Plainsman 509
 12589785 Tybar Finks 5522 S55
 12638791 Hoff First Class S C 493
 * 12760751 Twin Valley Ext 1516
 12805449 Spring Cove Courage 871Z
 12811539 N Bar Emulation Ext Ty
 12827068 Nelson Newgen
 12901820 WK Battle Cry 7037
 13035851 S A F Ext 317
 13078624 Davis Rito 12
 13084739 Tybar Eurlach P68 U119
 13086054 Tybar Finks 5522 U41
 13088943 Spring Cove Beef Producer
 13103826 S S Krugerrand 35H



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13110480 Spring Cove Stockman 961C	11936863 Ankony Princess T833	12520796 LBK Classy Queedy 26K5
13110481 Spring Cove Stockman 961D	11949271 W C C Blackcap C46	12541568 Windy Firs Algoma 46
13110484 Spring Cove Stockman 961G	* 12017277 Plattermere Queenie 376	12558699 Spring Cove Violet Marie 622
13113652 Spring Cove Design 426A	* 12017281 Dolly of Plattermere 181	12582519 Windy Firs Rustle 136
13116543 W C C Checkers H339	* 12017304 Martha of Plattermere 243	12588702 Spring Cove Faith 6807 629
13168820 Schurr 77 1346 Excel	12025173 LBK Queeny Lady 34K3	12613297 W C C Blackcap F2
13216189 W A Force 01 851	12025182 LBK Miss Beauty 46K3	12667900 Ankony Gaines Lady 1N08
* 13231405 Twin Valley Explorer 3918	* 12025190 LBK Miss Blackcap 63K3	12680309 LBK Miss Blackbird 05K6
* 13250270 Twin Valley Checkmate 3898	12122897 Ankony Blackbird 0V38	12717117 Ankony Miss Emulous 16N1
13553342 F H Exchange 014	12131986 Basin Joyce 2804	12782868 Twin Valley Blackcap 4616
13574830 Garrison Mr Queen Force 9152	12154742 W C C Blackcap D5	12805211 Spring Cove Sleepy Lady 723
* 13607953 Mc Cumber 420 Rito 08	12231417 Lake View Blackcap 402	12805213 Spring Cove Eleanor Ext 728
13699314 TC Alliance 0200	12243719 Hickory Hill Caroline	12805221 Spring Cove Alta 741
Cows	12250185 LBK Miss Blackcap 24K4	* 12805234 Spring Cove Star CB 761
10348731 B&L Miss Emma Stewarts 304R	12251946 LBK MS Queedy 09K4	12830808 Lady of Grayling 2745
10851562 LBK Fancy Beauty 6K26	12251950 LBK Eline Lady 62K4	12895743 Alpha Miss Eisa 701
10990948 Hoff Lady Challenger S C 917	12251951 LBK Miss Blackbird 32K4	12926598 LBK Tall Blackbird K037
11311882 P A F Miss Esso 9124	12286108 Ankony Eblinette R671	12985021 Twin Valley Blackcap 108
* 11311927 Spring Cove Esso 959	12289859 Ankony Gaines Lady 0R95	13006644 Windy Firs Miss Dateline 08
11424116 Rulers Lucky Erica	12306847 Ankony Miss Emulous R702	13076836 Spring Cove Famous Star 809
* 11481000 LBK Miss Queedy 44K0	12308517 Ankony Blackbird 0R54	13133383 North Fork Independence 8093
11601942 Mary Ann of Plattermere 105	12310984 SVF Cascade Shoestring Lass	13214584 Twin Valley Blackcap 1188
* 11601944 Erica Lady of Plattermere 86	12346992 Ankony Miss Emulous 0R70	13216193 W A Blackcap C9 811
* 11647724 LBK Pretty Marcia 25K1	12349506 Ankony Tail N Emulous 1R00	13231402 Twin Valley Blackcap 3788
* 11647727 LBK Miss Queedy 02K1	12349507 Ankony Tail N Emulous 0R96	* 13231404 Twin Valley Blackcap 3878
11728280 Forsythe Amber 1085	12379849 W C C Blackcap E9	13608007 Blackcap 095 of Mc Cumber
11749981 B F Miss Black Traveler 1622	12380003 W C C Blackcap E1	
* 11821544 Spring Cove Silver 244	12387313 Ankony Tail N Emulous 0R97	Tested free of horn gene
11821552 Spring Cove Sass Queen 243	12457507 Ankony Ann 081R	Bulls
11829245 LBK MS Tall Blackbird 06K2	12457560 Ankony Miss Mona 161R	9591326 R&J Justice 1359
* 11829252 LBK Miss Queedy Lady 68K2	12470330 Ankony Blackbird 260R	
11872589 Oscars New Trend Lady	12502056 LBK Queedys MS March 25K5	Tested free of heterochromia irides
11918382 Ankony Blackbird T438	12519233 LBK Eline Lady 43K5	Bulls
11924024 Spring Cove Lillian 382	12520793 LBK Wonder Woman 30K5	* 9999753 Big Deal