

LIKELY PRESENCE OF GENETIC CONDITION IN A LINE OF ANGUS CATTLE

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This document provides information to the American Angus Association of a genetic condition that will most likely need to be addressed within the US Angus population. In May 2011, I was asked by Angus Australia to begin investigating a phenotype that was being described as polymelia. The majority of calves exhibiting this trait are born with additional limbs, usually duplication of the front legs and originating from the neck or shoulder region. With the exception of mortality associated with calving difficulty, these calves can often thrive, particularly if the extra limbs are surgically removed.

Initially, we were presented with three DNA samples from affected calves as well as several of their parents. Even though pedigree analysis of the calves clearly showed evidence of line breeding, the molecular analysis revealed nothing that would have lead us to believe that the condition was genetic. Throughout 2011 and 2012, Angus Australia continued to receive reports of polymelia calves and again in early 2013 was able to provide us with additional DNA samples for analysis (see <http://www.flockandherd.net.au/cattle/reader/polymelia.html>). The addition of these animals provided clear evidence of simple recessive inheritance. Following this analysis, four calves displaying the same morphological features were reported here in the US. Samples from these calves were collected and the analysis once again demonstrated that all of the affected calves, both Australian and US, shared a common region of homozygosity thus confirming the presence of a recessive allele responsible for the phenotype. Furthermore, we have since received additional Australian calves from both Angus Australia and Dr. Laurie Denholm that further substantiate our previous conclusions.

Most recently, we have completed sequencing of genes within the region that is shared by all affected calves. Last week we identified a mutation that appeared to be consistent with the recessive pattern of inheritance in all affected calves and their parents. In addition, functional analysis of the mutation suggests that the resulting change in the encoded protein would not be tolerated. Subsequently, we initiated a population analysis to determine the frequency of the mutation within the breed. As was the case with genetic conditions such as AM, NH, CA, and M1, the animals that best represent the genetics of the breed are the diverse population of AI sires that have been used over the past 20 years.

Examination of the genotyping data for these sires (which is currently being completed) reveals two important concerns. Firstly, the allele frequency among US sires is moderately high at approximately 3%; this corresponds to a carrier frequency of approximately 6%. Secondly, it shows that no homozygous individuals are present in the population. Of course, one would not expect a calf born with five or six legs to become an AI sire; however given the moderate allele frequency, the rarity of affected calves, particularly as reported in the US, is somewhat puzzling. Additionally, given the use of specific US sires within Australia, now known to be carriers, the frequency of reported calves is also unexpectedly low. Thus, we believe these data indicate that calves presenting with polymelia at birth are rare events that survive embryonic death. In support of this conclusion, we have also genotyped a case of conjoined twins that were submitted by Dr. Denholm as part of this project. Indeed, these conjoined twins are also homozygous for the same mutation. We hypothesize that early developmental duplication events prevent many embryos from developing to term resulting in embryonic death and the reduced frequency of live births that are being observed. From a nomenclature standpoint it has been decided to refer to this condition as developmental duplications (DD).

Preliminary Test Results

Set forth below are the preliminary test results provided August 12, 2013 for those 1099 Angus bulls tested by Dr. Jon Beever to determine those animals that are either carriers or are free of the Developmental Duplication (DD) genetic condition.

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Name	Registration No.	DD Status
Skylandmere 2058	2719761	DDF
R R Rito 707	5770651	DDF
Rito 707 of Ideal 533 70	6810901	DDF
Band 602 of Ideal 928 72	7530738	DDF
Jetliner 707 of Conanga	7795918	DDF
Basin Q Bar 163	7954685	DDF
Premier Progressor	8568264	DDF
Ken Caryl Mr Angus 8017	8989216	DDC
Q A S Traveler 23-4	9250717	DDF
Rito 9J9 of B156 7T26	9682589	DDF
Pine Drive Big Sky	9894245	DDF
Scotch Cap	10226429	DDF
Paramont Ambush 2172	10239760	DDF
Basin Emulation 5653	10312571	DDF
R&J Spade 1204	10566557	DDF
R R Traveler 5204	10705768	DDF
G D A R Rito 596 L T	10717881	DDF
N Bar Emulation EXT	10776479	DDF
S A F Power Fix	10809778	DDF
Gorthy of Graham 18866	10842597	DDF
G D A R Equalizer 6148	10845727	DDF
Hoff Esso S C 433	10848959	DDF
S S Traveler 6T6	10889102	DDF
O Confluence 2417	10936090	DDF
G D A R Traveler 71	10988296	DDF
Rito 8E8 of 5H11 Traveler	11072078	DDF
G C C Broker	11080188	DDF

Med Rock Traveler JR	11086635	DDF
V D A R New Trend 315	11105489	DDF
Nugget 801X of J R S	11107151	DDF
Summitcrest Traveler X044	11121512	DDF
Summitcrest Sasquatch 150X	11124399	DDF
Hoff Northlander S C 6029	11138672	DDF
Hoff Spade Flush S C 678	11138705	DDF
Hoff Hi Hand S C 654	11138729	DDF
Hoff Bold Scotch S C 491	11138801	DDF
G T Maximum	11160685	DDF
G T Expo	11160688	DDF
Patton Enticer	11194446	DDF
Schoenes Fix It 826	11196470	DDF
Ginger Hill Duster 89	11216670	DDF
Rito 9FB3 of 5H11 Fullback	11223766	DDF
Landmark Bando 912	11270134	DDF
G D A R Traveler 9161	11278961	DDF
G D A R Centennial 911	11279048	DDF
Hoff Balancer S C 7109	11288972	DDF
Hoff Hi Flyer S C 7134	11297283	DDF
R&J Cruz 109	11314692	DDC
R&J Maxima	11314694	DDF
O C C Maternal Trend 725Y	11335168	DDF
G A R Sleep Easy 1009	11356568	DDF
G A R Traveler 1489	11356596	DDF
Sitz Traveler 8180	11367940	DDF
Westwind Rito 8503 D J H 019	11391800	DDF
Finks Future Trend	11408407	DDF
B/R New Design 036	11418151	DDC
Basin E Z	11424367	DDF
Pro Trend 9042 L W	11438436	DDF
G D A R Wham 021	11447288	DDF
G D A R Traveler 044	11447335	DDF
L R A New Trend 360	11447845	DDF
Woodhill Valor	11451070	DDF
R&J Maternal Power 270	11478173	DDF
G C C Grizz 0065	11517594	DDF
Rito 1B1 of 5H11 Bando	11527064	DDF
Rito 1H13 of 5C7 Rito 9J9	11527181	DDF
N Bar Cornhusker Y2741	11553377	DDF
V D A R Lucys Boy	11567326	DDF
Whitestone Equity	11577350	DDF
Hyline S V F Rito 1116	11581539	DDF

V D A R Traveler 722	11592069	DDF
Hyline Travel Agent	11595790	DDF
Minerts Fortune 2000	11618176	DDF
California Traveler	11618614	DDF
Tehama 5204 Trav 565	11618631	DDF
R R Regal 1459	11620565	DDF
R R 9440 Scotch Cap 1483	11620571	DDF
Ideal 1418 of 8103 4286	11626546	DDF
W F A Four Point Four	11640955	DDF
Rito 2E2 of 9FB2 Traveler	11656252	DDF
Becker Farms Pompey 118	11672313	DDF
O C C Anchor 771A	11684971	DDF
S A Double Power 1002	11702184	DDF
Walridge Linard 1343	11741609	DDF
Leachman Conveyor	11741667	DDF
S A F Neutron	11747039	DDF
Mill Coulee Performer 224	11779097	DDF
Summitcrest Hi Flyer 3B18	11783725	DDF
R A Performer	11798133	DDF
Stone Gate Quantum 61	11832272	DDF
Summitcrest Scotch Cap 0B45	11847053	DDF
G A R Bingo 4192	11872308	DDF
Nichols Easy Way 428	11887141	DDF
C S U Aggie Emulation 2144	11889421	DDF
Bon View Emulation Ext 473	11901155	DDF
Rito 3X17 of Rita 9FB2 Ext	11909809	DDF
Spring Cove True Value	11924057	DDF
Whitestone Traveler 2149	11927423	DDF
Whitestone Fly Traveler 3006	11927444	DDF
Ankonian Titleist	11927922	DDF
S A F Fame	11935889	DDF
S A F Easy Fortune	11935897	DDF
Car Don Precision B274	11944998	DDF
Leachman Explorer	11947213	DDF
Basin Max 602C	11951654	DDF
O C C Broadside 876B	11952559	DDF
Umf Action of Wye 7090	11965748	DDF
Rito 3M2 of 5H11 GT Maximum	11967378	DDF
V F Venture Forward	11973186	DDF
Woodhill Supreme	11973368	DDF
Brooks Dividend 336	11983127	DDF
Brooks Premium 302	11983278	DDF
TC Bonus	11994557	DDF

G T S V F Treasury	12019395	DDF
Stevenson Royce 741C	12038475	DDF
B C C Bushwacker 41-93	12048084	DDF
Leachman Saugahatchee 3000C	12075716	DDF
Rito 4X2 of Rita 1R52 Ext	12077888	DDF
Rito 4U3 of 2TX1 Rito 2RT2	12078010	DDF
G A R Evas Prescription 4553	12079809	DDF
G A R Evas Consistence 3803	12079812	DDF
R C C Sir Roy 308	12084043	DDF
B F Raindancer 012 306	12096699	DDF
Leachman Bushwhacker	12108043	DDF
Leachman Booster	12108074	DDF
Ankonian Union	12111867	DDF
Bon View Balance 834	12126334	DDF
One Way E308	12127839	DDF
Thomas Latigo	12139259	DDF
S A F Choice Plus	12155777	DDF
BT Direction 65D	12162865	DDF
Gardens EXT 4137 S2	12166857	DDF
Woodhill Crossfire	12170322	DDF
Woodhill Natural	12170393	DDF
Alberda Traveler 416	12176446	DDF
Mr Wix of Mc Cumber 204	12177814	DDF
G T Sentry	12189371	DDF
Plowman 1627 of Millbrae SAR	12194989	DDF
Larks Canyon 74D4	12200110	DDF
J L B Exacto 416	12223258	DDF
L F New Trend 4100	12223857	DDF
Brusett Mayor 59	12227155	DDF
Rito 505 of Rita 1R3 Ambush	12237440	DDF
Butchs Maximum 3130	12241684	DDF
C T R Double Take 400	12249849	DDF
R R Ferdinand 758D	12257225	DDF
G T Triple Band	12270349	DDF
Emulation Easy 85X	12284312	DDF
C S U Aggie Ambush 4109	12296482	DDF
G A R 6807 Traveler 4144	12304120	DDF
Rito 5TR8 of Rita 3X12 RRT	12306217	DDF
GDAR SVF Traveler 234D	12309327	DDF
Sitz Alliance 6595	12310707	DDF
S A F Banker	12326204	DDF
Basin Ambush 3905	12333453	DDF
TC Linebacker 530	12337342	DDF

Diamond Rainmaker 154E	12345052	DDF
Twin Valley Precision E161	12346200	DDF
O C C Discovery 918D	12374740	DDF
O C C Doctor 940D	12376229	DDF
VDAR KA Legacy	12392161	DDF
Congaree Sleep Easy E27	12395305	DDF
B T Ultravox 297E	12396224	DDF
Rockn D Ambush 1531	12396365	DDF
Gibb Illini	12422806	DDF
Hoff Ultra S C 108	12430389	DDF
A A R Really Windy 1205	12448729	DDF
Magic Meadow Country Boy B50	12449151	DDF
B A R Ext Traveler 205	12452829	DDF
K C Prime Time 6029 95	12455165	DDF
R R Daquantae 789E	12462818	DDF
C A Future Direction 5321	12493607	DDF
S S Traveler 6807 T510	12502030	DDF
Leachman Conveyor 3025E	12505904	DDF
O C C Emblazon 854E	12514348	DDF
O C C Echelon 857E	12514349	DDF
R C C Marathon 510	12518180	DDF
Whitestone Precision H141	12527924	DDF
Sitz Intensifier 8206	12528428	DDF
Rito 6I6 of 4B20 6807	12530601	DDF
G A R Enhancer 5365	12548426	DDF
N Bar Prime Time D806	12557724	DDF
TC Supreme Vision 691	12559758	DDF
Bon View Spectrum 1176	12564177	DDF
B/R New Design 036-631	12569815	DDC
PLS Rawhide F405	12597077	DDF
S A F Focus of E R	12618076	DDF
T C A Engineer	12619399	DDF
S S Ambush Advantage 14F	12619909	DDF
Circle A 216 LTD 6517	12670840	DDF
Dalebanks Extender 6012	12672258	DDF
Woodhill Riptide 823-606	12677801	DDF
Gardens Expedition	12689078	DDF
Connealy Frontline	12693793	DDF
Younkin Triumph 4966	12696111	DDF
G A R Explosive 6313	12698439	DDF
G A R Evas Exceptional	12716815	DDF
Davis Prime	12738228	DDF
Millcreek Diversity	12740561	DDF

Stevenson Rolling Thunder	12747805	DDF
Connealy Vision 63	12753461	DDF
Sitz Value 7097	12755998	DDF
S A Neutron 377	12760345	DDF
C S U Optimum Traveler 7123	12781813	DDF
TC Advantage	12783078	DDC
Bon View New Design 1407	12783540	DDC
Champion Hill B52 Traveler	12799597	DDF
Stevenson Bruno 561G	12810445	DDF
Vermilion Dateline 7078	12810693	DDF
N Bar Emulation Ext A1747	12811512	DDF
N Bar Bando 598 X4127	12813090	DDF
L L F Gilreath Trendsetter	12829295	DDF
P A R B Design Plus 97	12835604	DDC
Barretts Solution	12837915	DDF
A&b Yukon 7150	12862009	DDF
Dameron P V F Raptor 702	12871926	DDF
Brooks Ext 792	12881292	DDF
O C C Freightliner 916F	12885964	DDF
Connealy Leadtime	12893612	DDF
Perry Power Design 715	12911472	DDC
Summitcrest Prime Cut 1G42	12915498	DDF
G A R Exacto 5687	12920200	DDF
F A F Resolve 167	12939895	DDF
Equity of P A R	12955187	DDF
Sitz Reliant 8898	12996570	DDF
C R A Bextor 872 5205 608	13009379	DDF
G G Chinook 736	13009539	DDF
R C C Do More 741	13014424	DDF
Connealy Bottomline	13026915	DDF
J R Something Special	13039059	DDF
Gardens Highmark	13047487	DDF
Boyd New Day 8005	13050780	DDF
Northern Improvement 4480 GF	13054003	DDF
Hyline Right Time 338	13058662	DDF
Bon View New Design 878	13062750	DDF
Ideal 7451 of 8103 4465	13066872	DDF
Three Trees Everready C55D	13080972	DDF
J W K Sleepy Boy 8134	13084963	DDF
P A R B Diamond Design 258	13090574	DDF
O C C Great Plains 943G	13092912	DDF
S S Decatur 55H	13103836	DDF
Creekstone Austin LTD 812	13113153	DDF

Summitcrest High Prime 0H29	13122485	DDF
SVF Siebrings Forever Russ	13163485	DDF
Connealy Forefront	13169229	DDF
War Handy Man 8026	13183335	DDF
G A R Pinnacle	13200618	DDF
White Oak Precise 6002	13205097	DDF
Nichols Extra H6	13207590	DDF
S S Traveler T510 8T4	13213164	DDF
Feltons Meat Packer 62	13221587	DDF
Rito 9Z50 of 6K20 814Z	13229176	DDF
O C C Homer 650H	13235197	DDF
Fountains Fortress 52	13246306	DDF
G A R Designation	13254445	DDF
G A R Grid Maker	13254554	DDF
G A R Paramount	13254727	DDF
W C C Handyman H457	13274945	DDF
E X A R Scotch Cap 816	13282661	DDF
R P Bushwacker 3 944	13284421	DDF
B/R New Design 323-9150	13286230	DDC
B/R Destination 727-928	13286246	DDF
EXAR Anchorage 9479	13296807	DDF
Vermilion Yellowstone	13305978	DDF
S A F Choice Plus 8275	13308692	DDF
Ironwood New Level	13320150	DDF
G T Premium Design 919	13321276	DDC
H A R B High Plains 975 JH	13324510	DDF
S A V Limited Edition 9283	13331795	DDF
S A F Focus 9095	13333906	DDF
S A F Strategy 9015	13334022	DDF
KMK Alliance 6595 I87	13346328	DDF
Baldrige Julio 157J	13352944	DDF
Ardrossan Jackson J6	13356290	DDF
BT Right Time 24J	13360311	DDF
Leachman Top Gold	13361389	DDF
Leachman Boom Time	13361440	DDF
Summitcrest Outlook	13384754	DDF
Summitcrest Pfred 3B18 0J98	13384794	DDF
Woodhill Confidence	13392170	DDF
G 13 Structure	13394625	DDF
G A R Retail Product	13395329	DDF
G A R Predestined	13395344	DDC
Brooks Premium 910	13404446	DDF
Baldrige Nebraska 901	13412671	DDF

Toebben Alliance C902	13423598	DDF
WAR Alliance 9126 6006	13433023	DDF
Tosu Mick 9301	13436290	DDF
Lemmon Seven Plus	13438124	DDF
Hinds Hills TLAR Long Cut 47	13441628	DDF
K G Power Design	13444525	DDF
Connealy Logic 929	13447247	DDF
Connealy Lead On	13447282	DDF
L T 598 Bando 9074	13448453	DDF
Fintry of Graham 47539	13455316	DDF
S A F Mogcks Security	13457421	DDF
Shamrocks Advantage 4609	13458027	DDC
Vermilion Payweight J847	13469989	DDF
S S New Design 036 9N1	13477977	DDF
Plattemere Database	13481798	DDF
O C C Just Right 619J	13492456	DDF
O C C Joker 620J	13492457	DDF
F A R Krugerrand 410H	13498476	DDF
S A F Focus J30	13504290	DDF
S A V 8180 Traveler 004	13512009	DDF
Oak Hollow 7709 of 1318 1118	13521189	DDF
Sitz Alliance 9800	13531260	DDF
Sitz Greatplains 9520	13531361	DDF
S A F Connection	13544928	DDF
Isu Imaging Q 9111	13567604	DDF
Leachman Diamondback	13567991	DDF
S A F Directive	13574137	DDF
Byergo Full Cut	13582536	DDF
B/R New Frontier 095	13588640	DDF
S A V Final Answer 0035	13592905	DDF
Kapp Corner Post	13599697	DDF
PAF Alta's Prestige	13600998	DDF
Koupals B&B Precision 0068	13601610	DDF
RAB-GAR Load Up 4049J	13608406	DDF
Pascalar Ayres New View P310	13608527	DDC
Mohnen Modern Design	13620649	DDF
ER Falcon K177	13626625	DDF
O C C Juneau 807J	13627989	DDF
Lemmon Newsline C804	13632776	DDF
RCC Preference	13645514	DDF
LCC Number Crunch 3050K	13654637	DDF
LCC New Frontier 3215K	13654695	DDC
S A F Millcreek Charisma	13659860	DDF

Larkota 814Z 011	13664352	DDF
D B New Horizon 020	13665765	DDC
Summitcrest Diamond 0K24	13667844	DDF
J D Alberda Clipper 019	13668985	DDF
Millers Bullseye J373	13670548	DDF
Connealy Deep Canyon 454	13676131	DDF
Connealy Forecast	13676338	DDF
Connealy Front Page 0228	13676411	DDF
Double G Marksman	13676998	DDF
K C F Bennett Total	13687063	DDF
Bushs Grand Design	13697595	DDF
G T Echo	13708459	DDF
Woodhill Admiral 77K	13712447	DDF
S A F Factor	13718618	DDF
G A R Yield Grade	13724351	DDF
G A R New Design 5050	13728513	DDC
Fintry of Graham 52170	13739339	DDF
H A Image Maker 0415	13739532	DDF
Stukels Bandwidth	13742799	DDF
Nichols Extra K205	13752642	DDF
Three Trees Prime Cut 0145	13761928	DDF
S S Objective T510 0T26	13776378	DDF
FHCC Classic Rock	13778330	DDF
Genetics by Design 049	13791489	DDC
Rito 1I1 of 2536 Rito 6I6	13793825	DDF
Rito 1I2 of 2536 Rito 6I6	13793826	DDF
Rito 1I96 of 3015 Rito 6I6	13796655	DDF
RES Volunteer 051	13798592	DDF
O C C Kiddo 832K	13802007	DDF
Exar Sudden Impact 1537	13806056	DDF
W C C Precision E161 J239	13806971	DDF
Exar Expand 1241	13808820	DDF
ACF New Design 0321	13814652	DDF
Connealy Mayor 898	13815252	DDF
Gardens Wave	13818764	DDF
R&R Architect 0223	13822057	DDF
SydGen Original 1013	13824342	DDF
Boyd On Target 1083	13828202	DDF
Basin Rainmaker 747L	13830028	DDF
Connealy Viewpoint 901	13831100	DDF
SydGen 1531 Ambush 1149	13834593	DDF
Circle A Accurate 1038	13839683	DDF
S A V Successor 1175	13845259	DDF

W C C Special Design L309	13846942	DDF
4 Point 8 of Ironwood	13850307	DDF
Basin Expedition 290L	13850346	DDF
VDAR Databank 1061	13853524	DDF
AAR ET Precision L106	13859811	DDF
AAR ET Bando L118	13859831	DDF
Basin Ambush 8161	13866016	DDF
S A V Front Runner 0713	13875837	DDF
S A V 5175 Bando 0699	13875838	DDF
YON Southern Rock L26	13878619	DDF
Baldrige Lightning L72	13880447	DDF
Mytty In Focus	13880818	DDF
B E B Juneau 104	13892119	DDF
King Kahn B100	13895274	DDC
H S A F Bando 1961	13896250	DDF
BR Midland	13898124	DDF
Gibb Iroquois 9111	13907951	DDF
E&B 1680 Precision 1023	13913492	DDF
Summitcrest Commando	13913514	DDF
Royal Precision DRCC 1007L	13916633	DDF
L C R Precision 112	13930599	DDF
LCC Dillon G689L	13934918	DDC
S A V 5175 Bando 1024	13935246	DDF
Woodhill Foresight	13936986	DDF
Ranger G 1720	13953039	DDF
Connealy Grid Line	13953117	DDF
Hoff Gold Label S C 900 541	13955271	DDF
LD Exactly 1912	13959251	DDF
AAR ET Precision L195	13959334	DDF
AAR ET Precision L213	13959347	DDF
AAR ET Precision L222	13959350	DDF
Exar Foundation 1806	13961547	DDC
Holiday Express 1852	13961577	DDF
Connealy Danny Boy	13966936	DDF
TC Freedom 104	13977765	DDF
H A Power Alliance 1025	13992383	DDF
Summitcrest Roseda Designed	13998476	DDC
RAB-GAR Satisfaction 4191L	14009358	DDF
RAB-GAR Leverage 4222L	14009384	DDF
G A R Precision 5771	14011376	DDF
G A R Prime Design	14011547	DDF
G A R Encore	14011611	DDF
Morgans Direction 111 9901	14021056	DDF

Exar Lutton 1831	14035047	DDF
O C C Legend 616L	14036365	DDF
Krone Royal 1140	14037690	DDC
Hyline Right Way 781	14037894	DDF
R3 Scanner L527 SCC	14048508	DDF
Rito 2X15 of Rita 8Z22 EXP	14056739	DDF
Rito 2B94 of Rita 6K20 BW	14084352	DDF
Rito 2V1 of 2536 1407	14088249	DDC
SydGen Contact	14088423	DDF
Circle A Endeavor 2058	14098261	DDF
SydGen Focus 2088	14099897	DDF
EXAR Make the Grade 234	14100695	DDF
VDAR Predicta Bull	14101541	DDF
Basin Payweight 959M	14102387	DDF
SydGen E161 Precision 1485	14104633	DDF
SydGen Ally	14104725	DDF
SydGen Prestige 1316	14106302	DDF
SydGen 1407 Corona 2016	14106303	DDF
S A V Adaptor 2213	14114073	DDF
C F Right Design 1802	14116881	DDC
LD Redirect 11	14121653	DDF
Vermilion Nebraska M404	14128747	DDF
BIG K Design Precision 152	14130746	DDF
EXG Prime Plus M737 R3	14139259	DDC
Three Trees Exacto 1517	14139514	DDF
Garth G256	14141818	DDF
Boyd Captain 2067	14144643	DDF
B C Matrix 4132	14159119	DDF
RAB-GAR Uncle Bob 4311L	14159307	DDF
Stevenson Yellowstone M808	14164824	DDF
RES Exceed 114	14167786	DDF
D C C Rito Prime 115	14171230	DDF
Twin Eagles No Fault M904	14173159	DDF
MM Futures Right 704	14174960	DDF
Riverbend Blueprint L24	14181726	DDF
B C Marathon 7022	14187839	DDF
Mill Brae Freightliner 2096	14201376	DDF
Triple J Design of Foxcross	14204395	DDF
Koupals Mo Co 253	14207348	DDF
Bluegrass Major Design 202	14209689	DDF
S A V Last Call 2063	14215210	DDF
Connealy Alliance 995	14216456	DDF
Connealy Onward	14216491	DDF

Connealy Safe Lead	14216571	DDF
LCC Sultan G041	14218202	DDC
G A R 65R Authority	14222526	DDF
G A R Cimarron	14222595	DDC
G A R Integrity	14222612	DDC
G A R Total Package 7202	14222722	DDC
G A R New Market 7892	14222787	DDF
EXAR New Look 2971	14230122	DDF
KG Dakota	14230973	DDF
TC Gridiron 258	14237017	DDF
BT Equator 395M	14237157	DDF
K A R Alliance 258	14245842	DDF
Tehama Total M811	14251765	DDC
DDA Emblazon 27C	14257843	DDF
21AR Coal Bank C014	14267926	DDF
Blevins Raindance 2503	14270028	DDF
SydGen Eclipse 2478	14291315	DDF
Dr J Analyst M250	14292649	DDF
SydGen Bouncer 2458	14298428	DDF
S S Rito Rito R011 2R12	14299352	DDF
G A R Premium Product	14300920	DDF
G A R US Premium Beef	14301014	DDF
S S Traveler T510 2T22	14306232	DDF
Baldrige Mullen M528	14308295	DDF
Sinclair Net Present Value	14311951	DDF
H A R B Windy 702 JH	14321158	DDF
Spur Success 2801	14327307	DDC
Southern Bando 3063	14330792	DDF
EXAR Nominal 3550	14343264	DDF
O C C Machinist 734M	14349350	DDF
Lafllins Cutting Edge 2075	14355577	DDF
Sinclair Open Range 2Q23	14357467	DDF
G G Chisholm	14361794	DDF
Boyd Poundmaker 21	14367367	DDF
Stevenson American Idol 9273	14368395	DDF
Stevenson Benchmark N190	14368434	DDF
Sitz Rainmaker 9723	14368850	DDF
Big Elban of Sydgen 3023	14377095	DDF
EXG Osage N112 R3	14381890	DDF
EXG Midnight N657 R3	14382607	DDF
Boyd Beef Maker 3069	14384365	DDF
EXG Outcross N655 R3	14384566	DDF
S A R New Frontier 095 1156	14386761	DDF

EXAR Numerical 3919	14390643	DDF
B C Maverick 2702 ET	14391235	DDF
B C Mid Emblazon 854E 702	14394786	DDF
SydGen OnStar 3217	14395270	DDF
B C Emblazon 854E 8023	14397563	DDF
GAR Goode Backcross 313	14399473	DDF
Basin Future Direction 7163	14400964	DDF
Basin Future Direction 8833	14400977	DDF
Basin Future Direction N905	14401002	DDF
EXG Rangeland 3946	14404295	DDF
EXG Heartland 3947	14404296	DDF
Circle G Kash 2189	14412753	DDF
K C F Bennett Architect M299	14416680	DDF
K C F Bennett Coalition SCC	14417348	DDF
Kenny's Creek Sandy S15	14418962	DDF
G T Shear Force	14419184	DDF
Basin Payweight 9333	14419602	DDF
RAB-EGL Blue Moon 4407M	14422326	DDC
AAR Neutron N059	14424555	DDF
AAR Neutron N064	14424556	DDF
R&S Turbo of Stevenson	14432656	DDF
Ayres Sudden Revival of OCC	14434266	DDF
Diamond Payweight 738N	14439463	DDF
Southern Panhandle 3432	14446504	DDF
ALC Nobleman N01N	14448891	DDF
M A R Midland Empire 3092	14454058	DDF
S A V Peacemaker 3179	14455342	DDF
O C C Magnitude 805M	14456390	DDF
MF Destroyer 093	14462137	DDF
Sitz New Design 458N	14474596	DDC
ER Justice N013	14492305	DDF
S A V Trailblazer 3015	14495534	DDF
J D Hy Qual 328	14499655	DDF
L T Bandwagon 3105	14502851	DDF
Rito 3835 of 2536 BVND 878	14503795	DDF
Rito 3838 of 2536 BVND 878	14503798	DDF
G A R User Friendly	14504755	DDF
K M Keystone 1913	14505152	DDC
Bushs Strut 756	14508531	DDF
BT Crossover 758N	14509685	DDF
Lau Decade	14510132	DDF
Riverbend Mile High 3718	14512407	DDF
Three Trees Next Step	14513180	DDF

LRA Foresight 26C	14515789	DDF
K C F Bennett Index	14521474	DDF
Ideal 3542 of 7451 7417	14523007	DDF
TC Grid Topper 355	14526645	DDF
Connealy 044 062	14528078	DDF
Connealy Overtime	14528172	DDF
Connealy Onstar 3213	14528291	DDF
Connealy Reflection	14528330	DDF
Connealy Network	14528390	DDF
EXAR Non-Stop 3967	14529106	DDF
HA Future Direction 3540	14531922	DDF
WAR Cowboy Up 3102	14535905	DDF
Summitcrest Sears Star Power	14542822	DDF
Summitcrest High Prime 0N15	14542824	DDF
Brooks Night Off 309	14551206	DDF
Baldrige Navigator N5	14552847	DDF
ALC Big Eye D09N	14560689	DDF
Cooley Sparky 3032	14566018	DDF
LCC New Chapter G831N	14570934	DDC
SydGen Substance 3450	14573335	DDF
B A F Limited Edition 372	14575589	DDF
D C C Rito Platinum 3J4	14575900	DDF
Woodhill Commander 143L-132N	14576247	DDF
Sugar Loaf Direct Hit N021	14595121	DDF
LCC Outlook G800N	14599782	DDF
4G Regulator	14608561	DDF
Whitestone Tiger T159	14630766	DDF
Rito 4612 of Rita 8G23 112	14631681	DDF
Rito 469 of Rita 9514 112	14631694	DDF
Rito 4D7 of 2536 338	14631852	DDF
Rito 4L6 of 2536 208	14641538	DDF
Rito 4N9 of Rita 1198 PINN	14641550	DDF
M J Right Time 374	14649187	DDF
F R F Midland 4026	14657131	DDF
Stevenson CE Deluxe 1914	14659834	DDF
Quaker Hill Objective 3J15	14660859	DDF
SydGen Platinum 4027	14663248	DDF
SydGen Itasca 4083	14663267	DDF
SydGen Kahlua 4204	14664625	DDF
EXAR Predictable 4158	14667449	DDF
EXAR Problem Solver 4181	14667450	DDF
B/R New Day 454	14675445	DDC
B/R Future Direction 4268	14675477	DDF

Monarch Pahokee 3016	14676756	DDF
SydGen Connection 4249	14679569	DDF
3F Emblazon 3652	14679694	DDF
EXAR Pit Boss 409	14682821	DDF
Basin Future Direction 7054	14686091	DDF
Basin Yellowstone 116P	14686102	DDF
Basin Franchise P142	14686137	DDF
Basin Up The Limit	14686155	DDF
SydGen Rito Plus 4051	14686985	DDF
Buffalos Conclusive BN46	14687390	DDF
EXAR Phenomena 4037	14687512	DDF
GDAR Game Day 449	14691231	DDF
FV New Dimension P142	14692281	DDC
Sitz Insight 4794	14702592	DDF
SydGen Journey 4355	14712641	DDF
Basin Rainmaker P175	14724271	DDF
S A V 004 Density 4336	14725035	DDF
EXG New Design P620 R3	14728662	DDC
Genex Replica 1081	14737017	DDF
B3R N193 854E Emblazon 9180	14737893	DDF
S A V Net Worth 4200	14739204	DDF
Gardens Prime Star	14740749	DDF
G 13 Steel	14741502	DDF
LT Curve Bender 4810 of EA	14742267	DDF
Bonnars Up The Limit 7P	14745477	DDF
Woodlawn Charge On 14	14754153	DDF
Cooley Laredo 163P14	14755983	DDF
Rito 4I9 of 2536 6807	14768727	DDF
Rito 4L60 of 2536 BVND 208	14768728	DDF
Rito 4S6 of 2536 SA	14768734	DDF
Boyd Landmark 405	14769662	DDF
Sinclair Extra 4X13	14774030	DDF
MCC Daybreak	14777016	DDF
Cooley Santa Fe 4050	14789008	DDF
G A R Future Direction 7884	14790773	DDF
G A R High Mesa	14790816	DDF
Summitcrest Designer 177P	14790998	DDC
B C Lookout 7024	14791623	DDF
Woodhill Mainline	14793708	DDF
Brooks Easy Way Out 4260	14796227	DDF
S A V 5175 Bando 4597	14798552	DDF
S A V 004 Traveler 4836	14798616	DDF
G A R Simplicity	14800786	DDF

Doerr Defiance	14802410	DDF
TC Boom Time 434	14814936	DDF
Sitz Hindsight 973P	14817265	DDF
Basin Expedition 00P1	14817353	DDF
MSAR Future Direction 2484	14821156	DDF
S A V 004 Predominant 4438	14823655	DDF
S A V 004 Hold'em 4452	14823656	DDF
S A V Bachelor 4404	14823774	DDF
F A R Krugerrand 419P	14825490	DDF
HA Future Direction 4505	14828348	DDF
HA Future Direction 4506	14828349	DDF
Whitestone Landmark 623T	14829055	DDF
Schurrtop MC 2500	14840227	DDF
TC Power Stroke 4118	14840492	DDF
S A V Initiative 4406	14842384	DDF
Connealy Foundation 426	14843192	DDF
Connealy Packer 547	14843207	DDF
Connealy Freight Train	14843254	DDF
Connealy Resource FD 464	14843300	DDF
TC Total 410	14844711	DDF
TC Rito 416	14844714	DDF
TC Beef Maker 480	14844728	DDF
Connealy Whitman	14845068	DDF
Connealy Grant 208 4246	14845081	DDF
Mohnen Day Ahead 144	14848339	DDF
MCC Cupid 414	14848587	DDF
Summitcrest Complete 1P55	14850409	DDF
SCR Promise 4042	14851313	DDF
Booroomooka Warwick W245	14855573	DDF
Twin Lakes Midland 9035	14866373	DDF
MOGCK Whispering Wind 584	14874385	DDF
Mytty ForeFront 77P	14874578	DDF
SydGen High Prime 4474	14876747	DDF
DBL CMF 5175 Bando 500P	14878061	DDF
K C F Bennett Performer	14885809	DDF
Dunlouis Cortachy Boy D137	14898814	DDF
Blevins Retail Design 4812	14899284	DDF
G C C Old School 4709	14909998	DDF
Southern BCS Champ 3592	14919659	DDF
Basin Center Cut	14931356	DDF
DCC First Look 3001	14931864	DDF
Ardrossan Connection X15	14933037	DDF
Rito 593 of 2821 RP	14934706	DDF

Rito 5T4 of 2536 Integrity	14934912	DDF
Sitz Identity 2575	14949480	DDF
Reich Lead On 424	14953535	DDF
R/M Ironstone 4047	14954578	DDF
EXAR Rejuvenator 5401	14961745	DDF
Sinclair Excellency 5X25	14969822	DDF
Basin Payweight 176R	14973288	DDF
Basin Opportunity	14973975	DDF
Basin Future Direction 815R	14974014	DDF
Black Woodlawn 2.0	14976177	DDF
SydGen Bullet	14977480	DDF
EXAR Rito 5118 of Rito 112	14984112	DDC
Southern Tidal Wave 4838	14992299	DDF
Diamond On Track 748R	14993300	DDF
Stevenson Cattleman R142	15003218	DDF
Stevenson Moneymaker R185	15003238	DDF
B/R Magnum 399-5128	15005123	DDF
Tehama 944 R525	15009375	DDF
Cooley Brett 1882R2	15011616	DDF
EXAR 263C	15012747	DDF
Stevenson Paycheck 9415	15015207	DDF
AAR Prime Cut R116	15015542	DDF
Three Trees Crossroads R0638	15022955	DDF
Basin Expedition R156	15028961	DDF
SydGen 928 Destination 5420	15030205	DDF
Diamond Direct Deposit 3R57	15030668	DDF
Basin Expedition R850	15031034	DDF
G A R Right Direction	15033947	DDF
BC 7022 Raven 7965	15034593	DDF
Diamond Benchmark 3R65	15041285	DDF
RAB-EGL Future Design	15048590	DDF
Autumn Oaks Super Star 302	15076709	DDF
Cooley El Paso 4919	15087372	DDF
GAR-EGL Protege	15098880	DDF
Circle S At Ease 4221	15098911	DDF
Cowboy Troy	15099896	DDF
S A V Future Investment 5662	15107823	DDF
S A V Mandan 5664	15107825	DDF
S A V Saint Anthony 5670	15107834	DDF
S A V Legacy 5216	15108117	DDF
S A V New Year 5320	15108200	DDF
S A V 5175 Bando 5190	15108317	DDF
S A V Bismarck 5682	15109865	DDF

Baldrige Rapid R31	15116841	DDC
N U Option 5012	15118068	DDF
Brooks Premium Product 547	15124610	DDF
Brooks Retail Product 549	15124612	DDF
Summitcrest Direction 2R71	15125595	DDF
Bluegrass Right Time 500	15127569	DDC
G A R Selective	15129617	DDC
G A R Objective 7125	15129674	DDF
G A R Efficiency 7295	15129688	DDF
G A R Perspective	15129749	DDF
G A R Cloudburst	15134123	DDC
Cooley Cobb 5056	15134139	DDF
B P F Special Focus 504	15140670	DDF
Rito Revenue 5M2 of 2536 Pre	15142281	DDF
Rito 5M44 of 2536 PRED	15142306	DDC
SIMONSON Right Time 6135	15144789	DDF
Connealy Industry 5634	15147028	DDF
Connealy Power One	15148585	DDF
Connealy Compass 510E	15148739	DDF
Mytty In Line	15148954	DDF
Connealy Contrast	15150605	DDF
Connealy Danny 5398	15150630	DDF
Connealy Black Baron of SCAR	15150757	DDF
HA Program 5652	15161251	DDF
SCR Superior 210M-50203	15163839	DDF
CAR Efficient 534	15170660	DDF
EGP NO Vacancy 3R	15174921	DDF
Kesslers Frontman R001	15180461	DDF
HD Dunn Altitude 5011	15183035	DDF
Tehama Band XL R739	15183732	DDF
V A R Midland 5271	15191744	DDC
Msar Onstar 2715	15197288	DDF
RR Midland 5017	15199294	DDF
SydGen Corona 5512	15200651	DDF
SydGen Black Substance 5602	15204322	DDF
SydGen 5175 Bando 5728	15204463	DDF
SydGen Garfield 5732	15214134	DDF
Southern High Octane 3115	15226299	DDF
Blevins Mission 5709	15231166	DDF
Southern Rito Nitro 3435	15247017	DDF
Stevenson Bullseye 3R11	15247770	DDF
RR Cork Predestined 5042	15248684	DDF
T K Big Bend R35	15249612	DDF

RDDA Overload 2437R	15260057	DDF
EXAR Spartan 6225	15262910	DDF
EXAR Showton 6230	15262914	DDF
Rito 6EM3 of 4L1 Emblazon	15266350	DDF
Rito 6EM6 of 4L3 Emblazon	15266353	DDF
O C C Prototype 847P	15269775	DDF
DVA Scout 553	15270965	DDF
EXAR Prime Premium 6444	15276737	DDF
G A R Prediction	15283265	DDF
G A R Predestined N5905	15283299	DDC
Quaker Hill Template 6J2	15290955	DDF
Southern Wrangler 7015	15303259	DDF
Rito 6656 of 021 Rito 112	15310366	DDF
Rito 6F54 of Rita 2V6 FD	15310452	DDF
HARB Pendleton 765 J H	15313140	DDF
DRMCTR RODEN 112 RITO 5294	15316138	DDF
FHCC Affirmative	15316436	DDF
Diamond Justice 901S	15325987	DDF
Sitz JLS Forward 568S	15327227	DDF
B3R Tender Ten R065	15327898	DDF
T O S U Hawk 5306	15330093	DDF
SydGen Focus 6026	15330682	DDF
SydGen C C & 7	15330743	DDF
Three Trees Rocky Top	15331756	DDF
Three Trees Big Top S1116	15331769	DDF
ThreeTrees Blackfoot Mile Hi	15331771	DDF
Basin Bellagio 410S	15331879	DDF
Basin Payweight 107S	15332022	DDF
Basin Payweight 025S	15332038	DDF
Basin Payweight 006S	15332050	DDF
Circle A Direction 6150	15336681	DDC
SydGen Mandate 6079	15337433	DDF
B/R Ambush 28-6149	15343181	DDF
Casino Objective B135	15349689	DDF
LD E161 Precision 559	15353055	DDF
SydGen Trust 6228	15354674	DDF
Trowbridge Crusader 614	15355003	DDF
Thomas Grade Up 6849	15356040	DDF
7-D Ribeye	15359047	DDF
K C F Bennett Outlook R448	15365425	DDF
S A V John Wayne 6220	15369092	DDF
S A V Heritage 6295	15369205	DDF
Basin Dollar B 9916	15371285	DDF

Ankonian Werner Wild Fire 96	15373359	DDF
Boyd Password 6077	15374241	DDF
Sinclair Extravagant 6X7	15380785	DDF
Stevenson Online 11S0	15384833	DDF
Ardrossan Direction W109	15386718	DDF
Whitestone Satisfaction	15393885	DDF
M A R Jefferson 6009	15396062	DDF
Laflins South Wind 5258	15418431	DDF
BC Rocket 44	15430961	DDF
E&B Blueprint 691	15434180	DDF
CSU Ram Nation 6129	15436925	DDF
KCH Trajectory	15437492	DDF
AR Advantage 654	15437936	DDF
LaGrand MAF Antidote 5775	15442456	DDF
Three Trees Ante Up T0170	15443045	DDF
Rito 6S8 of 2536 SA	15445241	DDF
Rito 6J4 of Rita 3841 3B6	15445269	DDF
M A 1961 Bando 346-90	15446550	DDC
P T Wusthof 906	15450425	DDF
Stenberg Coalition 509	15452104	DDF
HA Image Maker 6550	15452662	DDF
Summitcrest Rush Hour 0S23	15456344	DDC
S/C Constellation 06S6	15458947	DDF
Summitcrest Darth 1S37	15458959	DDF
Summitcrest Stardom 1S54	15458960	DDF
Duff New Edition 6108	15459486	DDF
Duff New Attraction 6110	15459488	DDF
TC Advantage Plus 680	15462668	DDF
G A R Symmetry	15463997	DDF
G A R Remedy	15464017	DDF
G A R Ultimate	15464043	DDF
TC One Way 618	15469774	DDF
SCC PVF Striker 612	15470118	DDF
EXG Masterson 6011 PPC	15470489	DDF
Woodhill Foresight 285M-S103	15478023	DDF
Woodhill Foresight 270N-S62	15478191	DDF
Cooley Menard 326S	15479387	DDF
G A R Game On	15482196	DDF
Limestone Titan S149	15486924	DDF
Limestone Converter S239	15487342	DDF
Tehama Silverado S105	15488048	DDF
Mill Brae Bluestem 6081	15488089	DDF
G C C Osage 601S	15488375	DDF

Connealy Full Freight	15490794	DDF
Connealy All Around	15490811	DDF
Connealy Forward	15491633	DDF
Connealy Formation 60C	15493207	DDF
Southern GT Special Force 17	15497150	DDF
Rito 6EMA of 4L3 Emblazon	15498429	DDF
Rito 6FA7 of Rita 2V6 FD	15498453	DDF
Rito 6M51 of Rita 2V5 Pred	15498627	DDC
Five Star Pacific 6008	15503871	DDF
Spur Reward 6005	15507991	DDF
MRCC New Idea 629	15509162	DDF
Mr JT High Light 638	15513053	DDF
T D L Nine Irons Preemptor	15515066	DDF
T D L Nine Irons 3335S	15515072	DDF
S D R Chief Justice 662	15518651	DDF
V A R Prime Rate 6254	15521467	DDF
21AR Outfitter 6032	15532981	DDF
2 Bar Objective 6693	15533798	DDF
Vermilion X Factor	15535998	DDF
F V 20K King 308M	15539210	DDF
Connealy Impression	15543702	DDF
Tehama Alternative S454	15543742	DDF
ORR Yield Grade 615	15544351	DDF
DRMCTR/WMD Holy Smokes 6J3	15546225	DDF
SydGen Turbo 6684	15553710	DDF
SydGen Option 6689	15553713	DDF
Silveiras El Capitan 6510	15559384	DDF
K D J Aberdeen	15561211	DDF
KCC Werner Wall Street 1666	15569521	DDF
Mohnen Dynamite 1356	15585939	DDF
B C C Emblazon 6062-6022	15599345	DDF
Sinclair Eclipse	15601553	DDF
Quaker Hill On Board 6BT2	15601884	DDF
Exar Top Shelf 7524	15603496	DDC
Exar Treasury 7596	15603560	DDF
MVF VRD Dateline 913P	15604163	DDF
Five Star Sum Total 6010	15606026	DDF
G T Global Image	15607046	DDF
G G Grade & Yield 602	15619715	DDF
V A R Prospector 7093	15623928	DDF
RM Ruger 6502	15626702	DDF
Silveiras Out West 7026	15630115	DDF
ALC Shooter B01S	15630936	DDF

Sitz Wisdom 481T	15636992	DDF
Sitz Jackson 431T	15637146	DDC
Sinclair Emulate 7XT28	15638125	DDF
Sinclair Multi-X	15644157	DDF
Sinclair Picasso	15644225	DDF
Sitz Dash 10277	15656868	DDF
Sitz Dimension 8607	15656999	DDF
Exar 263C 7256	15661253	DDF
SydGen Corona 7029	15664421	DDF
SydGen Power Source 7017	15664462	DDF
Stevenson IN Focus 506T	15666273	DDF
Circle A Endurance 6679	15667302	DDF
Garret's Nationwide 800I	15671197	DDF
SSR Trooper 117	15673744	DDF
SQ Patriot 103R	15676975	DDF
SCAR All Star Baron 7B3	15687475	DDF
S A V Pioneer 7301	15688392	DDF
Basin Prepotent	15690301	DDF
Basin Spread 304T	15690358	DDF
Basin Full House 41T2	15690623	DDC
Riverbend High Noon	15693314	DDF
Basin Future Direction 2T15	15694062	DDF
Basin High Definition 3T84	15696204	DDF
Stevenson Moneymaker 576T	15696472	DDC
XXG Emulation Ext 7053	15698421	DDF
Thomas Synergy 7261	15700047	DDF
SQ Credence 67S	15705880	DDF
S A V Providence 6922	15707145	DDF
Salt Creek Bob 7003	15708607	DDF
Gardens Next Wave HE17	15714056	DDF
EXAR Titlelist T011	15714917	DDF
G T Tender Force	15723180	DDF
Dunlouse Jipsey Earl E161	15726438	DDF
Dunlouse Commander Bond	15726453	DDF
Three Trees Performance King	15730504	DDF
Three Trees Top Performer	15730548	DDC
Baldrige Progressive S834	15730796	DDF
Werner Westward 357	15738589	DDF
Three Trees Lexington T0678	15743897	DDF
Yon Future Focus T219	15748572	DDF
ONeills Encore	15753349	DDF
G T Mainland	15758334	DDF
CSU Ram Nation 7105	15774209	DDF

PVF ALL PAYDAY 729	15779234	DDC
ICC Judge 7001	15782591	DDF
WK Power Up	15784683	DDF
S A V Efficiency 7056	15787788	DDF
S A V Wall Street 7091	15787838	DDF
S S Insight T20	15790033	DDF
Dunlouse Shot of Scotch	15796107	DDF
Rito 7065 of Rita 5M46 Obj	15796904	DDF
W W W Capital Gains 01T	15798263	DDF
Basin Mile High 60T4	15799258	DDF
Ardrossan Admiral A2	15807819	DDC
Garret's On Target 323C	15816127	DDF
WAR Architect T040	15817542	DDF
MCATL Triple Stack	15818622	DDF
UI Peer Reviewed T083	15823918	DDC
Msar Shaker 2307	15825785	DDF
Three Trees Destiny WCAR CA	15827698	DDC
Mill Brae Shawnee 7156	15827916	DDF
Limestone Tilt T247	15828143	DDF
Lemar Dakota Gold 18T	15828386	DDF
Lyons Santa Fe 6119	15832299	DDF
Lyons Prairie Fire	15832303	DDF
Connealy Answer 71	15832579	DDF
Connealy Wrangler	15832596	DDF
Connealy Right Answer 746	15832750	DDF
SCR Right Cross 70024	15836708	DDF
TC Aberdeen 759	15840414	DDF
Summitcrest High Prime 0T08	15842019	DDF
K C F Bennett Energizer	15844265	DDF
Connealy Final Product	15848422	DDF
Riverbend Cornerstone	15856117	DDF
21AR Pendelton 7033A	15875990	DDF
21AR Big Spread 7012A	15876020	DDF
RBM 112 Evergreen Rito 657	15882823	DDF
21AR Roundup 7005	15883460	DDF
Poss Total Impact 745	15885405	DDF
VAR Programmer 7551	15889408	DDF
S V F Utmost T293	15894689	DDF
MOGCK Sure Shot	15899735	DDF
Shipwheel Chinook	15908864	DDF
Sinclair 20/20	15913232	DDF
SydGen Sure Bet	15915113	DDF
Nichols Quiet Lad T9	15922661	DDF

Duff Standout 785	15934618	DDF
Exar Undeniable 8602	15937356	DDF
Basin ON Target 7T16	15940911	DDF
Duff Encore 702	15944136	DDF
Cherry Crk Higher Standard	15944206	DDC
Exar Focus 8062	15955805	DDF
Exar Underdog 82018	15955822	DDF
Exar Image Maker 8715	15960879	DDF
Wilson Total Value 722	15962982	DDF
Sitz Game Point 10128	15969140	DDC
Sitz Emblazon 9598	15969208	DDF
Blue and Gray Lee V04	15973416	DDF
Blue & Gray Jackson 90V	15974345	DDF
44 Changeup	15978589	DDF
RM Ringo 7565	15987842	DDF
RM I Trend 7528	15989605	DDF
EXAR Beef Prod 84120	15993775	DDF
Diamond MoneyMaker U229	16009351	DDF
Diamond MoneyMaker 8347	16009353	DDF
Diamond MoneyMaker 53U2	16009357	DDF
ALC Danny Boy V17U	16020728	DDF
Sinclair Grass Master	16027094	DDF
GDAR Game Plan 893	16042244	DDF
G A R Concrete	16046828	DDF
D R Sierra Cut 7404	16047469	DDF
OSU Currency 8173	16049485	DDF
44 Stimulus 8523	16060001	DDF
Connealy Best Option	16066773	DDC
Laflins Northern Lights	16071777	DDF
ALC Freight Train F17U	16083602	DDF
Sitz Homestead 4978	16094168	DDF
Whitestone Advocate	16095113	DDF
Bricton Advancer 7137	16102412	DDC
S A V Brave 8320	16107533	DDF
S A V Free Spirit 8164	16107687	DDC
S A V Birthstone 8258	16107741	DDF
S A V Empire 8135	16107773	DDF
S A V Brilliance 8077	16107774	DDF
Stevenson Yogo 612U	16112426	DDF
Stevenson IN Focus U481	16112432	DDF
Stevenson MoneyMaker 5568	16112702	DDF
Stevenson Hero I216U	16114104	DDF
Stevenson Profiteer I366U	16114111	DDF

S A V Iron Mountain 8066	16115617	DDF
Riverbend Everready	16123702	DDF
Hoover Dam	16124994	DDF
Stucky Valuebull 8387	16125094	DDF
GAR Goode Loaded for SCAR	16141751	DDF
ALC IN Focus I46U	16143222	DDF
H A R B Denali 788 J H	16147538	DDF
ALC Destiny D82U	16148239	DDC
Mill Brae Twenty/Twenty 8069	16152588	DDC
Remington Spartan 93R	16159157	DDF
Sp The Answer 813	16163740	DDF
Limestone Great Divide U254	16165411	DDF
K C F Bennett True Value	16165783	DDF
BAAR USA SMR Tumbleweed	16172234	DDF
Whitestone Timberline	16183800	DDF
HA Clear Image 8109	16184217	DDF
Kesslers Front Range 7520	16188840	DDF
Limestone Jupiter U449	16195227	DDF
Double AA Old Post Bandolier	16198184	DDF
MCC Breakaway 8132	16198752	DDF
EF Complement 8088	16198796	DDF
Vermilion Benjamin U825	16203918	DDF
Connealy Response	16205003	DDF
Connealy Stimulus 8419	16205004	DDF
Connealy Analyst 5628	16205026	DDF
Benfield Substance 8506	16207085	DDF
SydGen Liberty GA 8627	16214558	DDF
Wilde's Armor 6210	16225298	DDF
WMR Timeless 458	16226527	DDF
KG Focal Point 8100	16227166	DDF
H A R B Windy 758 J H	16227857	DDF
Connealy Atlas	16234398	DDF
Connealy Counterpart 882B	16234420	DDF
Styles Upgrade J59	16244342	DDF
Basin Golden Opportunity	16249220	DDF
Basin Big Horn U285	16249234	DDF
ALC IN Focus I35U	16255320	DDF
Basin REA	16260415	DDF
EXAR Bextor 9528B	16260996	DDF
Sitz Upside 547W	16270429	DDF
EXAR Worldwide 9600B	16271937	DDF
EXAR Witness 9595B	16274822	DDF
EXAR Wade In 9738B	16274832	DDF

Stevenson Ultimate W551	16283134	DDF
HFG North Star 822	16285481	DDF
G A R Progress	16290873	DDC
RM Sequel 8535	16291709	DDF
G A R Prophet	16295688	DDF
SydGen Straight Up 8998	16313183	DDF
Diamond Steakhouse 9378	16317351	DDF
Rito 954 of Rita 7E2 5050	16329691	DDC
Sinclair Excellent 9XE3	16330895	DDF
Rito 9B30 of Rita 5M13 BR28	16340267	DDC
Rito 9M25 of Rita 5F56 Pred	16340278	DDC
G A R Twinhearts 8418	16350631	DDF
C Bar D Alternative K903	16370162	DDF
Basin Payweight 023W	16374061	DDF
Basin Payweight 022W	16374070	DDF
Basin Credence 591W	16374085	DDF
Basin Payweight 077W	16374117	DDF
Basin Clearwater 335W	16374123	DDF
Basin Expedition 243W	16374128	DDF
TRM Mountain Man 892	16383553	DDF
Thomas Powder River 9053	16384637	DDF
Te Mania Infinity 04 379 AB	16389667	DDF
S A V Thunderbird 9061	16396499	DDF
S A V Brand Name 9115	16396519	DDF
S A V Prosperity 9131	16396523	DDF
S A V Bruiser 9164	16396531	DDF
S A V Solid Gold 9187	16396545	DDF
SD Wagon Train	16396681	DDF
S A V Mustang 9134	16397246	DDF
Hoover Home Run	16400604	DDF
Cedar Chest	16402840	DDF
Koupals B&B Diplomat	16419324	DDF
Connealy Consensus 486	16447793	DDF
Tokach Update 9009	16458143	DDF
LT Bristol 9011	16463799	DDF
Connealy Hemisphere 957L	16468595	DDC
Connealy Premium Product	16476974	DDF
Basin Image Maker 822W	16486718	DDF
RHR Nitro	16533840	DDF
Soo Line Kodiak 9194	16668497	DDF