LOT	Ident	Sire ID	Dam ID	ABI	DOM	GRN		CE Dir	-	GL	BWT	200	400	600 I	NCW N	1ilk	DTC	SS DC	DC	NFI-F	сwт	EMA	RIB	P8	RBY	IMF	Ident	LOT
1	NURN44 Comment	USA17328461 Below average birt	NURL85 h weight a												<b>108</b> to your					<b>0.06</b> s bull i	<b>75</b> n our 2			<b>0.4</b> g. Higł		2.1	NURN44 Comment	1
2	NURN12	recommended USA17354145	NURL1			175						54				-	-3.8			0.46		10.9		-3.2	2.0	3.8	NURN12	2
	Comment	A truly exceptional								-					-												Comment	
3	NURN20	WWEL3	NURJ81												108					0.51		9.2			-		NURN20	3
	Comment	A low birth weight		Ũ	t combi	nation	of IIVI	F% ar	Id EIVI	A. 10	p 1% a	II foui	rindio	ces - <b>o</b>	ne of th	e hig	gnest	perforn	nance	bulls	in the	Angus	bree	e <b>d.</b> Ta	ke the	5	Comment	
		opportunity to grad			122	426		4 7	1.0	2.5	20	47		00	64	20	4 7	0.0		0.54		12.2	0.5	0.0		2.2		
4	NURN66	USA17354145	NURJ43	126	123	136	121	1.7	1.6	-3.5	2.6	47	81	99	64	20	-1.7	0.2	4	0.51	64	12.2	-0.5	-0.8	1.1	3.3	NURN66	4
	Comment	Another Momentu	m son with	n extrer	ne carc	ase me	rit. Th	ne mo	ther i	s one	e of the	soun	dest	cows \	we have	bred	d - we	sold he	r to 1	he Ro	ck Ang	us, Wa	igga \	Nagga	<b>i</b> .		Comment	
5	NURN72	NURJ136	NURK25	149	121	173	136	2.4	3.2	-4.8	3.7	47	79	117	84	22	-8.4	2.7	32	0.38	66	5.6	-1.1	-1.1	0.6	3.1	NURN72	5
	Comment	A low birthweight	calving eas	e granc	lson of	El Gran	do wi	ith go	od ca	rcase	figure	s. Doc	ility is	s rema	arkable.												Comment	
6	NURN90	NURJ136	NURH261	l <b>153</b>	129	180	138	1.6	3.6	-5.8	6.1	50	89	121	88	19	-6.6	0.8	-1	-0.01	74	7.2	-2.0	-1.8	0.7	3.5	NURN90	6
	Comment	nt High marbling, growth and carcase weight. With better than breed average calving ease this bull will make a valuable contribution to most commercial herds.															Comment											
7	NURN108	NURK118	NURK59	129	119	131	127	3.4	3.2	###	1.1	42	81	102	61	18	-6.1	1.4	-6	0.62	54	5.2	2.2	3.1	-0.6	2.3	NURN108	7
	Comment	His sire was a bull we used because of his structural soundness and low birth weight. This bull will be very safe and useful over your heifers.																										
8	NURN124	NURJ136	NURH107	7 150	121	175	135	4.0	3.5	-7.1	1.9	41	78	112	89	24	-9.1	3.0	14	0.92	59	6.4	-0.7	-0.8	0.4	3.2	NURN124	8
	Comment	A calving ease bull	with good	musclii	ng and	marblin	g. Us	ed ov	er you	ur hei	ifers yo	u will	incre	ease th	ne IMF ir	η γοι	ur her	d. The d	lays t	o calvi	ng EBV	' is in t	he to	p 5%	of the	5	Comment	
		breed. H107 is also the mother of Lot 53.																										
9	NURN138	NURL52	NURL139	142	125	158	132	1.3	2.0	1.0	5.7	52	94	124	88	23	-8.1	2.3	16	0.14	66	3.7	-1.6	-2.0	1.0	2.1	NURN138	9
	Comment	Top 10% on all fou	r indices. A		•		,			, ,		on the	best	Te Ma	ania blo	odlin	nes.										Comment	
10	NURN122	NURL52	NURG81			151						53			93		-6.7			-0.20			-0.8	-1.6	0.5	2.3	NURN122	10
	Comment	A combination of h					-			-			-		•												Comment	
11	NURN106	NURL6	NURK81			145									52		-5.0			0.71	60	6.6	0.2	-2.3	0.0	4.2	NURN106	11
	Comment	Exceptional marble	•			•	0		•	•																	Comment	
12	NURN126	NURL6	NURL99			140			1.9	-5.9	4.1	42	75	97	84	18	-7.3	2.3	-11	0.49	53	8.0	0.1	-0.2	1.1	2.3	NURN126	12
12	Comment NURN128	A good carcase bul NURL52	NURX8		0	e to yo 129			2.2	2.1	1.4	27	72	89	48	25	-6.7	2.1	20	0.35	<b>F</b> 1	9.6	0.2	1.0	1.0	10	Comment NURN128	13
15	Comment	NURL52	ΝΟΚΛΟ	125	121	129	121	5.2	2.2	-2.1	1.4	57	75	69	40	25	-0.7	5.1	20	0.55	51	9.0	-0.2	-1.0	1.9	1.0	Comment	15
		N128 is the thirtee	enth natura	al calf o	f X8. He	e is emi	nentl	y suit	ed for	ruse	over yo	our he	eifers	- and	their cal	ves s	should	d be wit	h you	I for a l	long ti	me. Fe	rtile	and lo	ng liv	ed.	comment	
14	NURN148	NURL154	NURK109			123											-3.1			-0.24		8.9	-2.0	-2.6	1.6	1.7	NURN148	14
	Comment	A red bull - with be	etter than a								-										-	bull.					Comment	
15	NURN86	USA1612741	NURH51												102					0.37		8.4					NURN86	15
	Comment	The second red bull get black baldy vigou		•		red catt	tle, inc	cluding	g Here	fords	, these	red bu	ılls wil	ll give y	you Angı	is pe	rforma	ance wit	hout	changin	ig the c	olour o	of you	r anim	als. Yo	ou	Comment	
16	NURP168	NURG20	NURK31	155	135	180	143	-3.4	-0.6	-7.0	5.8	61	106	142	118	18	-4.8	1.8	2	-0.23	94	11.5	-2.1	-4.0	3.0	2.6	NURP168	16
	Comment	A very acceptable (	Grando sor	n with r	nodera	te birth	weig	ht cor	nbine	ed wit	th outs	tandiı	ng gro	owth a	ind carc	ase E	EBVs.										Comment	
17	NURP166	NURG20	NURM3	173	146	211	154	-2.1	2.3	-5.3	6.7	64	111	150	132	14	-4.3	3.5	7	0.18	91	11.1	-4.0	-5.2	3.3	3.5	NURP166	17

18	Comment NURP28 Comment	CommentThis is a very serious carcase and growth bull. Depite being a yearling bull he is physically big enough to use over young cows.CommentUSA16350631NURM11481321691383.03.5-8.92.85610213411926-4.73.3110.41867.7-1.3-2.41.22.8NURP28All indices in the top 5% of the breed. Top 20% or better for calving ease, growth, carcase weight, retail beef yield and marbling. A very well balanced high performance bull.Comment	18
19	NURP48	USA16350631 NURM13 166 140 189 156 2.6 2.4 -6.4 5.5 70 122 167 154 26 -4.6 2.3 6 0.38 98 7.4 -1.3 -2.4 1.1 2.5 NURP48	19
	Comment	G A R Twinhearts is the father of lots 18 to 20. Their common feature is calving ease, extreme growth and more than adequate carcase EBVs. Comment	
20	NURP54	USA16350631 NURM13 174 144 202 161 3.2 2.7 -7.1 5.6 67 120 163 141 27 -5.3 2.1 -4 0.46 97 9.5 -1.1 -2.6 1.2 2.9 NURP54	20
	Comment	It is possible to breed Angus steers that will finish off grass, at carcase weights above 300 kilograms, at under 21 months old. This bull will give the extra growth and <b>Comment</b>	
		marbling needed to do so.	
21	NURP58	NURM204 NURM13 169 139 203 153 -3.9 0.3 -4.8 6.8 70 120 162 149 19 -6.0 3.8 8 0.90 100 11.2 -1.7 -3.7 2.0 3.2 NURP58	21
		M13, a daughter of Pathfinder Genesis, is the mother of this and the two previous bulls. These calves have a highly desirable combination of growth and carcase	
	Comment		
22	NURP74	NURM204 NURK45 147 127 169 131 -1.9 0.9 -1.3 3.0 49 86 104 75 15 ### 2.5 -17 1.18 67 7.9 1.3 0.5 -0.1 3.5 NURP74	22
	C	A low birth weight bull with high values of IMF and EMA. Use him over your heifers to help you breed your replacement heifers. Days to calving (fertility) EBV in the	
22	Comment NURP22	top 1%. VTML839 NURM89 165 140 190 153 1.4 0.8 -4.7 5.3 70 124 168 161 21 -6.0 2.7 -7 -0.28 96 4.6 -3.8 -4.3 1.9 2.0 NURP22	23
25	Comment	An exceptionally high indexing bull bred from the Te Mania Lewins by Twinhearts. Above average calving ease and a moderate birth weight.	25
24	NURP165		24
24	Comment		27
		forbidding - but calving ease is less so.	
25	NURP62	NURM204 NURM13 169 135 206 151 -3.4 0.5 -4.5 6.9 62 110 152 140 17 -6.0 3.7 -2 1.05 93 10.5 -1.0 -2.1 1.5 3.7 NURP62	25
	Comment		
26	NURP160	NURG20 NURK31 180 144 224 159 -3.3 -0.5 -5.6 8.8 72 126 174 166 16 -5.1 3.5 12 -0.11 112 8.2 -3.9 -4.6 2.4 3.6 NURP160	26
		On his numbers this is the outstanding Grando son on the sale. Use him this year on a smallish group of larger, older cows. Use him maximally on those cows	
	Comment	thereafter. Comment	
27	NURP180		27
	Comment	Only a handful of bulls in the Angus breed have higher marbling and meat yield than this bull. Your customers (the processors) are always right - meet their Comment demands.	
28	NURP4	WWEL115 NURH99 171 144 198 155 2.6 2.8 -5.7 4.2 55 98 129 90 21 -8.2 3.5 -10 0.80 75 10.5 -1.3 -1.4 1.5 3.2 NURP4	28
	Comment	Calving ease in the top 20% of the breed. An outcross to the preceding bulls (with a little less growth) but still retaining the rare combination of meat quality and Comment	
		yield that we are striving for.	
29	NURP44	NURL152 NURG34 156 131 178 145 -4.6 1.5 -2.9 8.8 66 117 158 152 17 -4.8 3.9 -10 -0.04 93 10.1 -0.9 -1.3 1.8 2.3 NURP44	29
20	Comment	From birth P44 was visually the most outstanding calf of his drop. His father was one of the most heavily muscled bulls we have bred.	20
30	NURP56 Comment	DBLL292 NURJ105 150 132 170 139 -0.7 1.4 -4.7 4.7 60 104 135 114 23 -6.0 3.3 20 0.25 83 9.1 -1.0 -2.0 1.5 2.7 NURP56 Comment	30
	comment	Another outstanding combination of carcase quality and growth but with moderate calving ease and birthweight. The mother is a Grando (NURG20) daughter.	
31	NURP184		31
51	10111104		51
	Comment	Top 20% of the breed on all indices plus EMA and IMF% EBVs. Better than average birthweight and growth. Goes back to Grando through his daughter J105.	
32	DOJP116	USA16295688 DOJK31 145 135 164 135 3.0 3.7 -1.6 4.1 59 103 123 105 19 -6.2 2.2 11 -0.04 72 5.7 -0.7 -0.6 0.1 3.2 DOJP116	32
	Comment		
33	DOJP145	NURM208 DOJL37 150 139 168 141 1.9 2.1 -5.7 6.4 59 107 133 125 14 -4.8 2.1 -10 -0.10 85 8.7 -2.3 -1.8 1.9 2.2 DOJP145	33
	Comment	Another very high growth bull bred in one of the districts leading commercial herds from a Kilburnie bred son of Pathfinder Genesis. Comment	

34	NURP36 Comment	NORK522	NURJ43	14 <b>2</b>	<b>126</b>	16 <b>3</b>	130	2.6	2.4 -8.6	2.9	51	92	117	116	17	-6.8	3.1	12	0.50	78	5.5	1.3	0.3	0.1	3.2	NURP36 Comment	34
		A high marbling bu	all with exce	ptional	growth	h and r	eady t	o use	e over you	r heife	rs. Im	prove	e the r	neat qua	ality	in you	ır anima	als wi	thout ta	king a	ny risl	ks on	calviı	ng eas	se.		
35	NURP86	NURM204	NURL113	131	112	157	118 ·	-1.6	0.6 -5.0	1.2	50	91	121	103	25	-5.6	1.9	5	0.53	77	4.0	-0.3	-1.4	-0.9	4.2	NURP86	35
	Comment	A very high EBV fo	r IMF%. Put	a lot of	marbli	ng into	vour	anim	als withou	ıt riskir	g birt	h we	ight o	r growth	ı.											Comment	
36	NURP164	NURM112	NURM183			0	,				0		0	0		-5.7	1.8	11	0.14	77	37	0.0	-0.2	-0.5	3.1	NURP164	36
	Comment	In the top 20% ma																	•		0.7	••••	•	0.0		Comment	
77	NURP16	NURL152	NURG81		-				0.5 -5.6	-						-1.2		17	-0.18	98	• •	26	2.1	1.4		NURP16	37
57	Comment	NORLISZ	NUNGOI	140	120	100	145	-1.5	0.5 -5.0	5.1	05	114	101	144	21	-1.2	2.1	17	-0.10	30	0.0	-2.0	-2.1	1.4	2.5	Comment	57
		L152 was one of th	no most how	vily mu	clod b	ille tha	t wo h		hrod ⊔ic r	nothor	ic on	o of c		tetandin	a da	nor co		rowt	h hull wi	th goo	d car	<u></u>					
20		NURL152	DOJK131	,											0	- <b>4.4</b>				0					2.0	DOID100	20
38	DOJP100														15	-4.4	3.0	-12	0.21	/8	3.8	-0.4	0.0	0.7	2.0	DOJP100	38
	Comment	Less birthweight th	•	0	,		•							•												Comment	
39	NURP66	NURL152	NURM171	144	123	158	135	0.3	2.1 -4.9	3.0	51	88	116	84	19	-8.2	2.5	-10	0.40	74	6.2	0.9	2.3	-0.5	3.0	NURP66	39
	Comment	A low birth weight bull with a high IMF% EBV. He should raise the marbling in the steers that you produce - and hopefully produce premiums for you in the future.															Comment										
40	NURP32	NURM204		-						-				83					0.56					1.7		NURP32	40
40	Comment	Top 20% marbling																				-1.7	-1.1	1.7	2.0	Comment	40
	comment	10p 20% marbing	anu yielu. iv	nouerat	ebirtii	weigin	i, iligii	grov	vill and lo	willatt	ire we	eigint.	mes	e come n	TOIL	then	aterna	gran	ulatilei	Darter	E7.					comment	
41	NURP50	NURM204	NURM175	159	121	196	139	55	0.1 -3.7	6.9	60	109	153	132	22	-8.1	29	-4	0.92	92	53	-0 1	-0 9	-0.7	42	NURP50	41
71	Comment	101111204		133		150	135	5.5	0.1 5.7	0.5		105	100	102	23	0.1	2.5	-	0.52	52	5.5	0.1	0.5	0.7		Comment	71
	comment	IMF%, carcase wei	abt and grou	wth are	all in th	no ton	1% of	tha k	arood Lice		NC Dr	oodi	ag hig	Ы IN ЛЕ % ;	nto	vourk	ord cou		nd to pr	mium	in t	holo	nariu	<b>`</b>		comment	
42	NURP20	USA16350631	NURM5			•													-0.03				-	ı. 0.2	20		42
42									2.1 -6.6																	NURP20	42
	Comment	These Twinhearts sons are an opportunity to buy into low birth weight, high growth rate genetics. This bull has top 20% IMF% and above average days to calving (fortility) EBV/c															Comment										
		(fertility) EBVs.																									
43	NURP40	NURL152	NURM171	155	132	1//	144	0.6	2.3 -5.5	4.1	59	102	136	111	19	-6.6	2.6	-10	0.16	83	6.7	-1.0	-0.2	0.3	3.1	NURP40	43
	Comment																									Comment	
		Lots 47 and 48 are				-			-		-				-						-		-	-			
44	NURP38	NURL152	NURM171																0.18			-0.9	-0.1	0.3	3.1	NURP38	44
	Comment	Top 5% all indices,	moderate b	oirth we	ight, hi	gh grov	wth ra	tes a	ind IMF%.	If you l	nave v	vell g	grown	heifers t	hese	e bulls	could l	be use	ed safely	/ on th	em.					Comment	
45	NURP46	NURL52	NURM9	148	122	169	<b>134</b>	-2.6	0.0 <b>-4.3</b>	6.8	59	102	132	116	16	###	2.6	27	0.56	75	4.0	1.8	0.3	-0.6	2.7	NURP46	45
	Comment	High IMF% and gro	owth. Note t	hat the	very hi	igh fert	ility El	BV of	f -11.4 is ir	n the to	p 1%	of th	e bree	ed. We ri	un co	ows o	n hard o	count	ry so tha	at the	lowly	ferti	le one	es cull		Comment	
		themselves.																									
46	NURP72	DBLL292	NURJ105	158	123	195	137 ·	-2.4	<b>0.8</b> -3.8	6.1	60	103	140	126	18	-9.8	3.2	-1	0.70	73	2.1	0.6	0.1	-1.3	4.4	NURP72	46
	Comment	Topbos Leading Ec	lge is a very	high qu	ality Pr	ophet	son. N	latin	g him to o	ur sour	ndest	El Gr	ando	daughtei	r has	s prod	uced th	is bul	l with hi	gh IM	F% an	d hig	h gro	wth		Comment	
		EBVs.		•					-					-						-		-	-				
47	NURP96	VTML107	NURM33	152	129	164	143	2.6	2.6 -8.3	2.7	55	94	123	91	25	-8.8	2.5	17	0.39	71	6.5	2.0	2.8	-0.5	2.8	NURP96	47
	Comment	Top 20% birth wei																								Comment	
48	NURP60	NURM204	NURK45						1.2 -6.9										0.98	80	8.7	-1.4	-26	1.2	3.7	NURP60	48
-10	Comment	A high performance																								Comment	
	connicit	sale today.			y went		u set		vs. A nus	11 01 011		101.3	5. IIIE	. 3011 01 1	Bene	Luc pa	icnage l	nat W	c are pr		, 100	uce				connent	
		sale loudy.																									
				454	120	174	125	0.1	1 - 4 -	2.4			100	64	22	щщи	2.5	~	0.70	70	0.7	• •	0.2	• •	2.2		40
49	NURP70	NURM204	NURK45	151	130	1/4	132 -	-0.1	1.5 -4.3	2.4	49	88	109	91	22	###	2.5	-9	0.79	70	8.7	0.3	-0.3	0.6	3.2	NURP70	49

	Comment	-	Low birth weight flush brother to lot 52. Fertility is one of the most important determinants of profitability and this bull has a fertility EBV in the top 1% of the breed.																Comment									
50	NURP2	NURM204	NURH51	155	134	190	138	0.3	1.6	-7.3	4.3	53	97	127	115	21	-4.3	4.7	3	0.44	69	10.0	-1.8	-2.5	1.5	4.2	NURP2	50
	Comment	This bull has a red																									Comment	
51	NURP18	NURM204	NURG49	•	127						•		•	•			###			0.43	68	7.6	0.0	-0.5	0.2	3.3	NURP18	51
	Comment	Low birth weight.																							•		Comment	
52	NURP24	NURM112	NURK95		116						48	53	97	134	113	17	-35	2.2	32	0.24	71	35	-2.0	-22	1.0	1.8	NURP24	52
-	Comment	This bull has good																		0.2.		0.0	2.0				Comment	
53	NURP26	VTML839	NURH107			•	0				0			'				3.2	0	0.47	77	5.9	-1.1	-0.4	0.0	3.5	NURP26	53
	Comment	High IMF% and gro																									Comment	
		in six week time. L				-				.,									,ea.	0.0.001								
54	NURP190	NURG20	NURK31		132		138	-3.8	-0.7	-4.4	6.2	56	101	135	117	17	-4.9	1.0	12	-0.39	82	9.7	-3.5	-4.3	3.2	2.9	NURP190	54
•	Comment	In evaluating these																									Comment	•
		for Angus cattle.				'				,			•		0	00								Ŭ		•		
55	NURP188	USA16956101	NURJ105	137	114	165	120	-1.5	1.7	-3.0	3.3	46	84	109	84	22	-8.6	2.7	-2	1.10	69	3.4	1.5	1.0	-1.6	4.5	NURP188	55
	Comment	This son of Momer	ntum will lift	the ma	irbling i	in your	r herd	. He s	hould	d be sa	fe ove	er you	ur hei	fers a	nd your	first	calve	rs for n	nany y	ears as h	ne sh	ould n	ot gr	ow in	to a b	oig	Comment	
		bull.																										
56	NURP102	VTML228	NURL95	133	121	149	122	3.0	2.9	-0.5	2.0	41	75	97	76	17	-8.2	2.1	1	0.08	52	7.1	-1.4	-2.3	1.4	2.4	NURP102	56
	Comment	Low birth weight.	You can start	on the	path t	o high	marb	ling a	nd hi	gh yiel	ding A	ngus	cattl	e very	safely	with	this b	ull.									Comment	
57	NURP112	VTML228	NURL119	146	134	164	137	3.1	2.8	-3.5	2.8	51	90	119	83	24	-5.2	3.8	9	0.32	77	10.0	-4.0	-4.8	3.2	2.2	NURP112	57
	Comment	Another low birth	weight bull t	o lead y	you saf	ely int	o the	world	d of su	uperior	<sup>r</sup> carca	ise qi	uality	and p	erforma	ance.											Comment	
58	NURP98	NURM170	NURM11	145	133	164	136	3.8	2.6	-5.7	3.3	54	100	125	99	20	-4.4	0.7	1	0.13	77	6.6	-2.2	-1.4	0.8	3.0	NURP98	58
	Comment	Low birth weight a	nd high mar	bling ar	e featu	ires of	this g	rands	son of	f Ayrva	le Bar	tel. G	Growt	h is ar	nother s	trong	g feat	ure.									Comment	
59	NURP116	NURM170	NURM93	156	134	179	143	5.3	4.6	-2.5	3.1	54	100	127	111	20	-7.6	3.6	8	0.80	84	8.3	1.0	0.7	-0.6	3.4	NURP116	59
	Comment	Another low birth	weight bull v	vith exc	ception	al mar	bling.	He to	oo is g	grandso	on of /	Ayrva	ale Ba	rtel.													Comment	
60	NURP120	NURM204	NURL151	152	133	184	137	-1.1	1.8	-5.2	5.8	60	104	135	114	17	-4.6	2.2	11	0.19	77	7.0	-3.0	-3.3	1.3	3.8	NURP120	60
	Comment	Top 5% all indices.	Marbling in	the top	) 5%, ca	arcase	weigł	nt and	yield	l in the	top 2	٥%. ١	With	a mod	erate bi	irth w	veight	t EBV tl	nis bul	l will ma	ke a	valuat	ole co	ntrib	ution	to	Comment	
		your breeding prog	gramme.																									
61	NURP174	NURM198	NURK25	127	109	138	120	2.9	3.1	-7.2	3.0	48	80	113	95	22	-7.5	2.0	12	0.40	67	2.5	0.3	0.1	-0.5	2.5	NURP174	61
	Comment	Low birth weight a	and above av	verage g	growth	. IMF i	n the	top 2	0% of	<sup>:</sup> the br	reed. A	A suit	table	bull to	end th	is uni	ique c	atalog	ue.								Comment	
		AVERAGE		148	128	171	136	0.4	1.7	-4.9	4.4	55	98	129	108	19	-6.3	2.5	5	0.35	77	7.4	-1.0	-1.5	0.9	3.0		
		Rank	1%	157	135	182	145	5.0	4.5	-9.7	0.4	61	109	146	140	26	-8.9	3.8	31	-0.48	85	11.0	3.1	3.2	2.6	4.0		
			5%	145	128		135				1.7	56	100	133	124		-7.6			-0.30		9.0						
			20%	131		143					3.0				106		-6.0			-0.07		7.0						
																								0.0				

50% 115 109 120 113 0.4 0.5 -4.0 4.3 45 81 106 91 15 -4.3 1.8 4 0.18 60 5.1 0.0 -0.2 0.5 1.7