

**Lots 1 through 26 are Polled Hereford bulls.**

Lot 1 S670							
CED	BW	WW	YW	\$ BMI			
+0.1 (P)	+3.3 (.23)	+43 (.21)	+71 (.21)	\$ 19			
CEM	MM	M&G	SC	\$ CEZ			
+1.7 (P)	+22 (.18)	+43	+0.8 (.12)	\$ 15			
FAT	REA	IMF		\$ BII			
+0.014 (.28)	+0.64 (.26)	+0.17 (.27)		\$ 17			
Phenotype:							
CE	BW	BWR	aWW	WWR	aYW	YWR	SC
1	98	ET	707	ET	1241	ET	36
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R		
0.32	89	13.47	106	3.51	92		

Lot 2 T041							
CED	BW	WW	YW	\$ BMI			
+4.0 (P)	+2.5 (.22)	+46 (.20)	+65 (.20)	\$ 27			
CEM	MM	M&G	SC	\$ CEZ			
+2.5 (P)	+15 (.13)	+38	+1.1 (.12)	\$ 20			
FAT	REA	IMF		\$ BII			
+0.008 (P+)	+0.25 (P+)	+0.35 (P+)		\$ 25			
Phenotype:							
CE	BW	BWR	aWW	WWR	aYW	YWR	SC
1	101	ET	588	ET	1090	ET	40
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R		
0.20	72	11.09	95	4.97	126		

Lot 3 T004							
CED	BW	WW	YW	\$ BMI			
+4.7 (.09)	-0.4 (.36)	+40 (P+)	+56 (P+)	\$ 25			
CEM	MM	M&G	SC	\$ CEZ			
+4.5 (.07)	+21 (P)	+41	+0.9 (P+)	\$ 21			
FAT	REA	IMF		\$ BII			
+0.042 (P+)	+0.26 (P+)	+0.43 (P+)		\$ 22			
Phenotype:							
CE	BW	BWR	aWW	WWR	aYW	YWR	SC
1	71	85	568	104	1021	93	34
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R		
0.36	127	10.96	99	4.78	102		

Lot 4 T137							
CED	BW	WW	YW	\$ BMI			
+2.8 (.09)	+3.9 (.36)	+54 (P+)	+84 (P+)	\$ 22			
CEM	MM	M&G	SC	\$ CEZ			
+3.1 (.07)	+17 (P)	+43	+0.8 (P+)	\$ 18			
FAT	REA	IMF		\$ BII			
+0.017 (P+)	+0.29 (P+)	+0.30 (P+)		\$ 18			
Phenotype:							
CE	BW	BWR	aWW	WWR	aYW	YWR	SC
1	98	103	661	113	1250	116	37
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R		
0.42	143	12.40	113	3.13	99		

Lot 5 T099							
CED	BW	WW	YW	\$ BMI			
+3.4 (P)	+3.4 (.23)	+50 (.20)	+79 (.20)	\$ 27			
CEM	MM	M&G	SC	\$ CEZ			
+4.1 (P)	+15 (.11)	+40	+1.2 (.11)	\$ 20			
FAT	REA	IMF		\$ BII			
+0.012 (.17)	+0.29 (.16)	+0.33 (.16)		\$ 24			
Phenotype:							
CE	BW	BWR	aWW	WWR	aYW	YWR	SC
1	73	TWIN	667	TWIN	1164	TWIN	37
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R		
0.33	TWI	13.08	TWI	5.07	TWI		

Lot 6 T019							
CED	BW	WW	YW	\$ BMI			
+4.1 (.08)	+3.2 (.36)	+56 (P+)	+81 (P+)	\$ 22			
CEM	MM	M&G	SC	\$ CEZ			
+3.5 (.06)	+15 (P)	+43	+0.6 (P+)	\$ 19			
FAT	REA	IMF		\$ BII			
+0.032 (P+)	+0.39 (P+)	+0.30 (P+)		\$ 17			
Phenotype:							
CE	BW	BWR	aWW	WWR	aYW	YWR	SC
1	90	107	655	120	1126	103	32
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R		
0.30	106	11.77	106	3.92	84		

Lot 7 T025							
CED	BW	WW	YW	\$ BMI			
+3.9 (.07)	+2.3 (.36)	+46 (P+)	+66 (P+)	\$ 30			
CEM	MM	M&G	SC	\$ CEZ			
+3.1 (.06)	+12 (P)	+35	+1.4 (P+)	\$ 21			
FAT	REA	IMF		\$ BII			
+0.018 (P+)	+0.20 (P+)	+0.33 (P+)		\$ 28			
Phenotype:							
CE	BW	BWR	aWW	WWR	aYW	YWR	SC
1	80	96	632	115	1086	99	38
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R		
0.32	113	12.00	108	4.99	107		

Lot 8 T063							
CED	BW	WW	YW	\$ BMI			
+3.1 (.08)	+2.6 (.36)	+49 (P+)	+75 (P+)	\$ 21			
CEM	MM	M&G	SC	\$ CEZ			
+3.8 (.07)	+12 (P)	+35	+0.6 (P+)	\$ 18			
FAT	REA	IMF		\$ BII			
+0.013 (P+)	+0.16 (P+)	+0.28 (P+)		\$ 18			
Phenotype:							
CE	BW	BWR	aWW	WWR	aYW	YWR	SC
1	90	97	588	105	1018	99	34
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R		
0.26	104	11.62	103	3.66	96		

Lot 9 T020							
CED	BW	WW	YW	\$ BMI			
+1.1 (.08)	+4.7 (.36)	+60 (P+)	+93 (P+)	\$ 27			
CEM	MM	M&G	SC	\$ CEZ			
+2.2 (.06)	+16 (P)	+46	+1.2 (P+)	\$ 17			
FAT	REA	IMF		\$ BII			
+0.033 (P+)	+0.32 (P+)	+0.49 (P+)		\$ 24			
Phenotype:							
CE	BW	BWR	aWW	WWR	aYW	YWR	SC
1	92	110	613	112	1121	102	36
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R		
0.27	95	11.96	108	5.28	113		

Lot 10 T046							
CED	BW	WW	YW	\$ BMI			
+3.5 (.08)	+3.6 (.36)	+47 (P+)	+69 (P+)	\$ 30			
CEM	MM	M&G	SC	\$ CEZ			
+2.5 (.06)	+13 (P)	+37	+1.5 (P+)	\$ 21			
FAT	REA	IMF		\$ BII			
+0.005 (P+)	+0.22 (P+)	+0.32 (P+)		\$ 29			
Phenotype:							
CE	BW	BWR	aWW	WWR	aYW	YWR	SC
1	93	100	620	110	1004	98	41
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R		
0.18	71	10.92	97	4.05	106		

Lot 11 T039							
CED	BW	WW	YW	\$ BMI			
+5.9 (.08)	+0.6 (.37)	+44 (P+)	+64 (P+)	\$ 33			
CEM	MM	M&G	SC	\$ CEZ			
+4.9 (.06)	+10 (P)	+32	+1.6 (P+)	\$ 24			
FAT	REA	IMF		\$ BII			
+0.017 (P+)	+0.08 (P+)	+0.30 (P+)		\$ 31			
Phenotype:							
CE	BW	BWR	aWW	WWR	aYW	YWR	SC
1	75	90	582	106	1052	96	39
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R		
0.20	69	9.38	84	4.36	93		

Lot 12 T057							
CED	BW	WW	YW	\$ BMI			
+1.5 (.09)	+4.4 (.37)	+59 (P+)	+92 (P+)	\$ 28			
CEM	MM	M&G	SC	\$ CEZ			
+2.6 (.07)	+13 (P)	+43	+1.3 (P+)	\$ 18			
FAT	REA	IMF		\$ BII			
+0.024 (P+)	+0.23 (P+)	+0.42 (P+)		\$ 25			
Phenotype:							
CE	BW	BWR	aWW	WWR	aYW	YWR	SC
1	93	111	644	118	1167	107	37
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R		
0.26	91	10.57	95	4.72	101		

**Lot 13 T173**

CED	BW	WW	YW	\$ BMI				
+6.3 (.09)	-0.1 (.36)	+39 (P+)	+59 (P+)	\$ 28				
CEM	MM	M&G	SC	\$ CEZ				
+4.6 (.07)	+12 (P)	+31	+1.2 (P+)	\$ 24				
FAT	REA	IMF		\$ BII				
+0.028 (.17)	+0.00 (.16)	+0.33 (.15)		\$ 26				
Phenotype:				\$ CHB				
CE	BW	BWR	aWW	WWR	aYW	YWR	SC	\$ 22
1	80	87	618	107	N/A	0	35	
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R			
0.19	0	11.41	0	2.45	0			

**Lot 15 T071**

CED	BW	WW	YW	\$ BMI				
+1.9 (P)	+3.4 (.24)	+46 (.22)	+76 (.22)	\$ 24				
CEM	MM	M&G	SC	\$ CEZ				
+0.1 (P)	+17 (.14)	+40	+1.2 (.16)	\$ 17				
FAT	REA	IMF		\$ BII				
+0.017 (P+)	+0.15 (P+)	+0.34 (P+)		\$ 23				
Phenotype:				\$ CHB				
CE	BW	BWR	aWW	WWR	aYW	YWR	SC	\$ 26
1	98	ET	540	ET	1070	ET	34	
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R			
0.33	122	10.69	92	4.45	113			

**Lot 17 T054**

CED	BW	WW	YW	\$ BMI				
+1.9 (P)	+3.4 (.24)	+46 (.22)	+76 (.22)	\$ 23				
CEM	MM	M&G	SC	\$ CEZ				
+0.1 (P)	+17 (.14)	+40	+1.2 (.16)	\$ 17				
FAT	REA	IMF		\$ BII				
+0.003 (P+)	+0.23 (P+)	+0.18 (P+)		\$ 22				
Phenotype:				\$ CHB				
CE	BW	BWR	aWW	WWR	aYW	YWR	SC	\$ 24
1	97	ET	551	ET	1049	ET	35	
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R			
0.21	77	11.57	99	2.61	66			

**Lot 19 T132**

CED	BW	WW	YW	\$ BMI				
+4.3 (P)	+2.8 (.23)	+51 (.21)	+75 (.22)	\$ 26				
CEM	MM	M&G	SC	\$ CEZ				
+1.2 (P)	+20 (.17)	+45	+1.2 (.17)	\$ 20				
FAT	REA	IMF		\$ BII				
+0.033 (P+)	+0.29 (P+)	+0.36 (P+)		\$ 23				
Phenotype:				\$ CHB				
CE	BW	BWR	aWW	WWR	aYW	YWR	SC	\$ 29
1	90	ET	522	ET	889	ET	33	
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R			
0.22	73	11.43	105	3.57	86			

**Lot 21 T052**

CED	BW	WW	YW	\$ BMI				
+4.7 (.10)	+2.0 (.37)	+49 (P+)	+72 (P+)	\$ 24				
CEM	MM	M&G	SC	\$ CEZ				
+2.3 (.09)	+15 (P)	+39	+0.9 (P+)	\$ 20				
FAT	REA	IMF		\$ BII				
+0.017 (P+)	+0.29 (P+)	+0.29 (P+)		\$ 21				
Phenotype:				\$ CHB				
CE	BW	BWR	aWW	WWR	aYW	YWR	SC	\$ 27
1	86	95	653	116	1078	105	37	
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R			
0.31	123	11.94	106	4.31	113			

**Lot 23 T013**

CED	BW	WW	YW	\$ BMI				
+0.6 (.07)	+1.7 (.36)	+50 (P+)	+78 (P+)	\$ 17				
CEM	MM	M&G	SC	\$ CEZ				
+1.6 (.06)	+18 (P)	+43	+0.6 (P+)	\$ 15				
FAT	REA	IMF		\$ BII				
+0.023 (P+)	+0.42 (P+)	+0.18 (P+)		\$ 15				
Phenotype:				\$ CHB				
CE	BW	BWR	aWW	WWR	aYW	YWR	SC	\$ 25
1	80	86	633	113	1068	104	37	
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R			
0.24	96	9.53	84	3.54	93			

**Lot 14 T032**

CED	BW	WW	YW	\$ BMI				
+1.9 (P)	+3.4 (.24)	+46 (.22)	+76 (.22)	\$ 24				
CEM	MM	M&G	SC	\$ CEZ				
+0.1 (P)	+17 (.14)	+40	+1.2 (.16)	\$ 17				
FAT	REA	IMF		\$ BII				
+0.021 (P+)	+0.22 (P+)	+0.34 (P+)		\$ 23				
Phenotype:				\$ CHB				
CE	BW	BWR	aWW	WWR	aYW	YWR	SC	\$ 26
1	80	ET	613	ET	1005	ET	38	
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R			
0.38	131	10.92	100	4.32	104			

**Lot 16 T073**

CED	BW	WW	YW	\$ BMI				
+1.9 (P)	+3.4 (.24)	+46 (.22)	+76 (.22)	\$ 24				
CEM	MM	M&G	SC	\$ CEZ				
+0.1 (P)	+17 (.14)	+40	+1.2 (.16)	\$ 17				
FAT	REA	IMF		\$ BII				
+0.011 (P+)	+0.32 (P+)	+0.29 (P+)		\$ 23				
Phenotype:				\$ CHB				
CE	BW	BWR	aWW	WWR	aYW	YWR	SC	\$ 26
1	92	ET	602	ET	1137	ET	38	
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R			
0.28	104	12.99	111	4.12	104			

**Lot 18 T102**

CED	BW	WW	YW	\$ BMI				
+3.5 (P)	+1.1 (.22)	+44 (.20)	+66 (.20)	\$ 24				
CEM	MM	M&G	SC	\$ CEZ				
+3.0 (P)	+26 (.16)	+48	+1.2 (.15)	\$ 19				
FAT	REA	IMF		\$ BII				
+0.031 (P+)	+0.41 (P+)	+0.30 (P+)		\$ 22				
Phenotype:				\$ CHB				
CE	BW	BWR	aWW	WWR	aYW	YWR	SC	\$ 25
1	75	ET	590	ET	1020	ET	34	
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R			
0.29	106	12.69	109	3.55	90			

**Lot 20 T074**

CED	BW	WW	YW	\$ BMI				
+3.8 (.13)	+3.5 (.37)	+47 (P+)	+72 (P+)	\$ 28				
CEM	MM	M&G	SC	\$ CEZ				
+1.0 (.11)	+20 (P)	+44	+1.4 (P+)	\$ 20				
FAT	REA	IMF		\$ BII				
+0.042 (P+)	+0.24 (P+)	+0.40 (P+)		\$ 26				
Phenotype:				\$ CHB				
CE	BW	BWR	aWW	WWR	aYW	YWR	SC	\$ 27
1	97	106	528	94	969	94	39	
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R			
0.30	121	10.89	96	3.78	99			

**Lot 22 T075**

CED	BW	WW	YW	\$ BMI				
+4.2 (.11)	+1.5 (.38)	+36 (P+)	+50 (P+)	\$ 25				
CEM	MM	M&G	SC	\$ CEZ				
+1.5 (.10)	+16 (P)	+34	+1.1 (P+)	\$ 20				
FAT	REA	IMF		\$ BII				
+0.015 (P+)	+0.18 (P+)	+0.21 (P+)		\$ 24				
Phenotype:				\$ CHB				
CE	BW	BWR	aWW	WWR	aYW	YWR	SC	\$ 19
1	85	94	565	101	946	92	38	
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R			
0.23	94	10.81	96	3.69	97			

**Lot 24 T104**

CED	BW	WW	YW	\$ BMI				
-0.4 (.08)	+3.5 (.36)	+47 (P+)	+70 (P+)	\$ 19				
CEM	MM	M&G	SC	\$ CEZ				
+1.5 (.06)	+18 (P)	+41	+0.7 (P+)	\$ 14				
FAT	REA	IMF		\$ BII				
+0.031 (P+)	+0.35 (P+)	+0.24 (P+)		\$ 17				
Phenotype:				\$ CHB				
CE	BW	BWR	aWW	WWR	aYW	YWR	SC	\$ 23
1	90	97	576	102	971	95	37	
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R			
0.24	97	10.03	89	3.88	102			

Lot 25 T113							
CED	BW	WW	YW	\$ BMI			
-2.8 (.10)	+4.9 (.38)	+46 (P+)	+74 (P+)	\$ 12			
CEM	MM	M&G	SC	\$ CEZ			
-1.7 (.08)	+21 (P)	+43	+0.3 (P+)	\$ 10			
FAT	REA	IMF					
-0.002 (P+)	+0.57 (P+)	+0.14 (P+)					
Phenotype:							
CE	BW	BWR	aWW	WWR	aYW	YWR	SC
1	100	109	584	104	1019	99	34
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R		
0.20	81	12.13	107	3.12	82		
\$ 23							

Lot 26 T078							
CED	BW	WW	YW	\$ BMI			
-1.6 (.10)	+3.6 (.38)	+51 (P+)	+81 (P+)	\$ 16			
CEM	MM	M&G	SC	\$ CEZ			
-0.8 (.08)	+24 (P)	+50	+0.6 (P+)	\$ 12			
FAT	REA	IMF					
+0.017 (P+)	+0.71 (P+)	+0.21 (P+)					
Phenotype:							
CE	BW	BWR	aWW	WWR	aYW	YWR	SC
1	93	101	671	119	1131	110	37
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R		
0.37	146	13.45	119	3.31	87		
\$ 27							

Lots 27 through 32 are Angus bulls.

Lot 27 SA07							
CED	BEPD	WEPD	YEPD	\$ SEN			
I+14 (.05)	I-1.6 (.05)	I+33 (.05)	I+71 (.05)	\$ 5.65			
CEM	MILK		SC	\$ SW			
I+12 (.05)	I+22 (.05)		I+29 (.26)	\$ 25.21			
UFAT	UREA	%IMF					
I+.028 (.30)	I+.58 (.30)	I+.23 (.30)					
Phenotype:							
CE	BW	BWR	aWW	WWR	aYW	YWR	SC
1	70	ET	626	ET	1224	ET	35
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R		
0.39	126	14.50	112	4.10	107		
\$ 18.89							
\$ 32.46							

Lot 28 TA01							
CED	BEPD	WEPD	YEPD	\$ SEN			
I+14 (.05)	I-2.3 (.35)	I+36 (.33)	I+75 (.32)	\$ 2.25			
CEM	MILK		SC	\$ SW			
I+12 (.05)	I+25 (.12)		I+.59 (.20)	\$ 28.01			
UFAT	UREA	%IMF					
I+.014 (.30)	I+.51 (.30)	I+.20 (.29)					
Phenotype:							
CE	BW	BWR	aWW	WWR	aYW	YWR	SC
1	67	86	661	99	1154	101	42
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R		
0.23	88	13.40	102	4.07	109		
\$ 18.71							
\$ 34.34							

Lot 29 TA02							
CED	BEPD	WEPD	YEPD	\$ SEN			
I+12 (.05)	I-0.1 (.35)	I+41 (.33)	I+81 (.32)	-\$ 1.33			
CEM	MILK		SC	\$ SW			
I+9 (.05)	I+27 (.12)		I+.18 (.20)	\$ 28.39			
UFAT	UREA	%IMF					
I+.005 (.30)	I+.46 (.30)	I+.31 (.29)					
Phenotype:							
CE	BW	BWR	aWW	WWR	aYW	YWR	SC
1	76	102	712	107	1259	110	38
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R		
0.28	108	12.60	96	5.25	140		
\$ 23.13							
\$ 41.15							

Lot 30 TA04							
CED	BEPD	WEPD	YEPD	\$ SEN			
I+8 (.05)	I-1 (.39)	I+34 (.36)	I+74 (.35)	\$ 2.27			
CEM	MILK		SC	\$ SW			
I+8 (.05)	I+25 (.10)		I-.12 (.24)	\$ 24.59			
UFAT	UREA	%IMF					
I+.012 (.29)	I+.38 (.29)	I-.11 (.28)					
Phenotype:							
CE	BW	BWR	aWW	WWR	aYW	YWR	SC
1	71	88	667	100	1223	107	36
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R		
0.29	119	14.50	111	3.07	82		
\$ 5.59							
\$ 20.54							

Lot 31 TA06							
CED	BEPD	WEPD	YEPD	\$ SEN			
I+1 (.05)	I+4.8 (.39)	I+45 (.36)	I+69 (.36)	\$ 5.80			
CEM	MILK		SC	\$ SW			
I+1 (.05)	I+22 (.26)		I+.30 (.26)	\$ 23.22			
UFAT	UREA	%IMF					
I-.001 (.28)	I-.07 (.28)	I-.04 (.28)					
Phenotype:							
CE	BW	BWR	aWW	WWR	aYW	YWR	SC
1	96	120	768	115	1085	95	36
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R		
0.21	81	11.70	89	2.61	70		
\$ 9.41							
\$ 23.79							

Lot 32 TA08							
CED	BEPD	WEPD	YEPD	\$ SEN			
I+1 (.05)	I+3.9 (.38)	I+48 (.36)	I+84 (.05)	\$ 7.32			
CEM	MILK		SC	\$ SW			
I+4 (.05)	I+17 (.26)		I+.20 (.05)	\$ 24.16			
UFAT	UREA	%IMF					
I+.012 (.05)	I+.18 (.05)	I+.05 (.05)					
Phenotype:							
CE	BW	BWR	aWW	WWR	aYW	YWR	SC
1	87	107	724	109	n/a	n/a	34
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R		
0.35	n/a	12.00	n/a	3.80	n/a		
\$ 14.82							
\$ 33.74							

Lots 33 through 36 are Donor Flushes and Embryos

Lot 33 Flush of FELTONS KATE P38 P38 WILL CALVE IN LATE APRIL OR MAY.

Lot 34 Flush of EFBEEF G824 KATE S610 ET S610 CALVED ON 2/27/08

Donor Flush terms - Seller guarantees six (6) high quality/frozen embryos (Quality Grade 1 or 2) sired by the bull of the buyer's choice. Additional embryos over six (6) go to the buyer at \$35 each (the current cost to freeze the embryos). Less than six (6) embryos will have the price prorated back accordingly. Ellis Farms will pay the flush expenses. Buyer to supply the semen for the flush. Ellis Farms will supply semen free of charge on any of the sires they own. Semen not owned by Ellis Farms will be the purchaser's responsibility. All shipping costs are the purchaser's responsibility. The Flush will be conducted at Food Animal Vet Service, Rensselaer, Indiana. The Donor will be available for flushing approximately 60 days post calving.

Lots 37 through 56 are yearling Polled Hereford heifers. All sell open and ready to breed.

Lot 37 T038							
CED	BW	WW	YW	\$ BMI			
+1.9 (P)	+3.4 (.24)	+46 (.22)	+76 (.22)	\$ 25			
CEM	MM	M&G	SC	\$ CEZ			
+0.1 (P)	+17 (.14)	+40	+1.2 (.16)	\$ 17			
FAT	REA	IMF		\$ BII			
+0.011 (P+)	+0.33 (P+)	+0.31 (P+)		\$ 23			
Phenotype:				\$ CHB			
CE	BW	BWR	aWW	WWR	aYW	YWR	
1	77	ET	528	ET	893	ET	\$ 27
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R		
0.35	95	10.78	118	6.09	107		

Lot 38 T048							
CED	BW	WW	YW	\$ BMI			
+1.9 (P)	+3.4 (.24)	+46 (.22)	+76 (.22)	\$ 25			
CEM	MM	M&G	SC	\$ CEZ			
+0.1 (P)	+17 (.14)	+40	+1.2 (.16)	\$ 17			
FAT	REA	IMF		\$ BII			
+0.009 (P+)	+0.18 (P+)	+0.34 (P+)		\$ 23			
Phenotype:				\$ CHB			
CE	BW	BWR	aWW	WWR	aYW	YWR	
1	93	ET	557	ET	921	ET	\$ 27
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R		
0.31	85	8.72	95	6.47	114		

Lot 39 T014							
CED	BW	WW	YW	\$ BMI			
-0.6 (.08)	+3.8 (.36)	+54 (P+)	+81 (P+)	\$ 17			
CEM	MM	M&G	SC	\$ CEZ			
+0.6 (.06)	+15 (P)	+42	+0.5 (P+)	\$ 13			
FAT	REA	IMF		\$ BII			
+0.024 (P+)	+0.41 (P+)	+0.24 (P+)		\$ 15			
Phenotype:				\$ CHB			
CE	BW	BWR	aWW	WWR	aYW	YWR	
1	80	99	538	105	912	105	\$ 27
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R		
0.31	78	8.83	94	5.60	93		

Lot 40 T065							
CED	BW	WW	YW	\$ BMI			
+3.6 (.08)	+2.6 (.36)	+45 (P+)	+71 (P+)	\$ 25			
CEM	MM	M&G	SC	\$ CEZ			
+2.8 (.06)	+14 (P)	+37	+1.1 (P+)	\$ 20			
FAT	REA	IMF		\$ BII			
+0.009 (P+)	+0.28 (P+)	+0.24 (P+)		\$ 23			
Phenotype:				\$ CHB			
CE	BW	BWR	aWW	WWR	aYW	YWR	
1	85	105	530	103	923	107	\$ 25
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R		
0.41	103	11.23	120	4.99	83		

Lot 41 T015							
CED	BW	WW	YW	\$ BMI			
+2.8 (.07)	+3.6 (.33)	+45 (P+)	+68 (P+)	\$ 23			
CEM	MM	M&G	SC	\$ CEZ			
+1.1 (.06)	+18 (P)	+40	+1.0 (P+)	\$ 18			
FAT	REA	IMF		\$ BII			
+0.031 (P+)	+0.31 (P+)	+0.26 (P+)		\$ 21			
Phenotype:				\$ CHB			
CE	BW	BWR	aWW	WWR	aYW	YWR	
1	83	106	559	111	901	104	\$ 24
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R		
0.51	136	9.04	99	6.91	113		

Lot 42 T098							
CED	BW	WW	YW	\$ BMI			
+2.9 (.08)	+2.4 (.36)	+47 (P+)	+71 (P+)	\$ 26			
CEM	MM	M&G	SC	\$ CEZ			
+3.2 (.06)	+16 (P)	+39	+1.1 (P+)	\$ 19			
FAT	REA	IMF		\$ BII			
+0.017 (P+)	+0.12 (P+)	+0.36 (P+)		\$ 23			
Phenotype:				\$ CHB			
CE	BW	BWR	aWW	WWR	aYW	YWR	
1	84	102	610	119	949	110	\$ 27
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R		
0.44	110	9.27	99	7.17	120		

Lot 43 T139							
CED	BW	WW	YW	\$ BMI			
+2.8 (.08)	+4.0 (.36)	+49 (P+)	+79 (P+)	\$ 23			
CEM	MM	M&G	SC	\$ CEZ			
+1.2 (.06)	+12 (P)	+37	+1.0 (P+)	\$ 18			
FAT	REA	IMF		\$ BII			
+0.024 (P+)	+0.06 (P+)	+0.29 (P+)		\$ 21			
Phenotype:				\$ CHB			
CE	BW	BWR	aWW	WWR	aYW	YWR	
1	89	105	573	112	955	110	\$ 26
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R		
0.61	153	10.16	108	6.24	104		

Lot 44 T138							
CED	BW	WW	YW	\$ BMI			
+1.4 (.06)	+3.5 (.35)	+37 (P+)	+49 (P+)	\$ 19			
CEM	MM	M&G	SC	\$ CEZ			
+1.5 (.05)	+17 (P)	+35	+0.8 (P+)	\$ 17			
FAT	REA	IMF		\$ BII			
-0.014 (P+)	+0.27 (P+)	-0.01 (P+)		\$ 19			
Phenotype:				\$ CHB			
CE	BW	BWR	aWW	WWR	aYW	YWR	
1	84	103	500	115	938	102	\$ 16
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R		
0.30	103	10.13	112	4.30	88		

Lot 45 T172							
CED	BW	WW	YW	\$ BMI			
+0.0 (.06)	+3.7 (.34)	+38 (P+)	+53 (P+)	\$ 15			
CEM	MM	M&G	SC	\$ CEZ			
-1.2 (.05)	+13 (P)	+31	+0.5 (P+)	\$ 14			
FAT	REA	IMF		\$ BII			
-0.017 (.16)	+0.22 (.15)	-0.07 (.15)		\$ 15			
Phenotype:				\$ CHB			
CE	BW	BWR	aWW	WWR	aYW	YWR	
1	88	104	463	106	N/A	N/A	\$ 15
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R		
0.23	n/a	7.98	n/a	4.33	n/a		

Lot 46 T080							
CED	BW	WW	YW	\$ BMI			
+3.1 (.11)	+3.6 (.38)	+45 (P+)	+63 (P+)	\$ 21			
CEM	MM	M&G	SC	\$ CEZ			
+2.4 (.10)	+15 (P)	+37	+0.9 (P+)	\$ 18			
FAT	REA	IMF		\$ BII			
+0.000 (P+)	+0.22 (P+)	-0.01 (P+)		\$ 19			
Phenotype:				\$ CHB			
CE	BW	BWR	aWW	WWR	aYW	YWR	
1	92	104	539	105	867	100	\$ 19
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R		
0.36	89	10.25	109	4.79	80		

**Lot 47 T094**

CED	BW	WW	YW	\$ BMI				
-2.8 (.10)	+4.4 (.35)	+43 (P+)	+68 (P+)	\$ 14				
CEM	MM	M&G	SC	\$ CEZ				
+0.1 (.08)	+20 (P)	+41	+0.6 (P+)	\$ 11				
FAT	REA	IMF		\$ BII				
+0.005 (P+)	+0.39 (P+)	+0.07 (P+)		\$ 14				
Phenotype:				\$ CHB				
CE	BW	BWR	aWW	WWR	aYW	YWR		\$ 19
1	90	101	497	97	851	98		
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R			
0.43	108	8.74	93	5.18	86			

**Lot 48 T095**

CED	BW	WW	YW	\$ BMI				
+1.2 (.10)	+3.9 (.37)	+40 (P+)	+62 (P+)	\$ 18				
CEM	MM	M&G	SC	\$ CEZ				
+0.7 (.09)	+14 (P)	+34	+0.7 (P+)	\$ 16				
FAT	REA	IMF		\$ BII				
+0.016 (P+)	+0.08 (P+)	+0.14 (P+)		\$ 18				
Phenotype:				\$ CHB				
CE	BW	BWR	aWW	WWR	aYW	YWR		\$ 19
1	91	105	569	111	948	110		
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R			
0.49	123	8.94	95	5.58	93			

**Lot 49 T077**

CED	BW	WW	YW	\$ BMI				
+2.5 (.11)	+4.0 (.38)	+41 (P+)	+63 (P+)	\$ 20				
CEM	MM	M&G	SC	\$ CEZ				
+2.2 (.10)	+14 (P)	+34	+0.8 (P+)	\$ 18				
FAT	REA	IMF		\$ BII				
+0.005 (P+)	+0.16 (P+)	+0.11 (P+)		\$ 19				
Phenotype:				\$ CHB				
CE	BW	BWR	aWW	WWR	aYW	YWR		\$ 20
1	89	100	465	91	847	98		
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R			
0.34	86	9.51	101	5.20	87			

**Lot 50 T171**

CED	BW	WW	YW	\$ BMI				
+4.0 (.10)	+2.1 (.33)	+39 (P+)	+57 (P+)	\$ 18				
CEM	MM	M&G	SC	\$ CEZ				
+0.5 (.09)	+17 (P)	+36	+0.6 (P+)	\$ 18				
FAT	REA	IMF		\$ BII				
+0.013 (.17)	+0.03 (.17)	+0.15 (.16)		\$ 17				
Phenotype:				\$ CHB				
CE	BW	BWR	aWW	WWR	aYW	YWR		\$ 19
1	82	97	497	102	N/A	N/A		
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R			
0.38	n/a	9.13	n/a	4.55	n/a			

**Lot 51 T035**

CED	BW	WW	YW	\$ BMI				
-0.1 (.09)	+1.2 (.35)	+44 (P+)	+71 (P+)	\$ 12				
CEM	MM	M&G	SC	\$ CEZ				
-1.7 (.08)	+27 (P)	+49	+0.5 (P+)	\$ 12				
FAT	REA	IMF		\$ BII				
+0.012 (P+)	+0.36 (P+)	+0.08 (P+)		\$ 11				
Phenotype:				\$ CHB				
CE	BW	BWR	aWW	WWR	aYW	YWR		\$ 20
1	81	102	550	109	909	105		
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R			
0.41	107	10.35	113	6.29	103			

**Lot 52 T017**

CED	BW	WW	YW	\$ BMI				
-1.4 (.11)	+3.2 (.36)	+48 (P+)	+73 (P+)	\$ 8				
CEM	MM	M&G	SC	\$ CEZ				
-1.9 (.09)	+20 (P)	+44	+0.1 (P+)	\$ 10				
FAT	REA	IMF		\$ BII				
+0.017 (P+)	+0.22 (P+)	-0.02 (P+)		\$ 6				
Phenotype:				\$ CHB				
CE	BW	BWR	aWW	WWR	aYW	YWR		\$ 18
2	86	110	529	105	916	106		
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R			
0.36	96	10.34	113	5.81	95			

**Lot 53 T157**

CED	BW	WW	YW	\$ BMI				
-0.6 (.08)	+3.7 (.37)	+38 (P+)	+63 (P+)	\$ 10				
CEM	MM	M&G	SC	\$ CEZ				
-0.8 (.06)	+19 (P)	+38	+0.3 (P+)	\$ 12				
FAT	REA	IMF		\$ BII				
-0.007 (P+)	+0.25 (P+)	-0.09 (P+)		\$ 10				
Phenotype:				\$ CHB				
CE	BW	BWR	aWW	WWR	aYW	YWR		\$ 14
1	95	108	556	114	908	106		
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R			
0.26	92	9.76	104	4.27	86			

**Lot 54 T037**

CED	BW	WW	YW	\$ BMI				
+1.2 (.11)	+1.8 (.36)	+40 (P+)	+59 (P+)	\$ 13				
CEM	MM	M&G	SC	\$ CEZ				
-1.4 (.09)	+23 (P)	+43	+0.4 (P+)	\$ 14				
FAT	REA	IMF		\$ BII				
+0.015 (P+)	+0.12 (P+)	+0.16 (P+)		\$ 12				
Phenotype:				\$ CHB				
CE	BW	BWR	aWW	WWR	aYW	YWR		\$ 19
1	82	105	507	100	872	101		
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R			
0.39	102	9.26	101	6.94	113			

**Lot 55 T163**

CED	BW	WW	YW	\$ BMI				
+2.4 (.08)	+0.5 (.35)	+27 (P+)	+47 (P+)	\$ 11				
CEM	MM	M&G	SC	\$ CEZ				
+2.2 (.06)	+24 (P)	+38	+0.3 (P+)	\$ 16				
FAT	REA	IMF		\$ BII				
+0.005 (P+)	+0.20 (P+)	-0.01 (P+)		\$ 11				
Phenotype:				\$ CHB				
CE	BW	BWR	aWW	WWR	aYW	YWR		\$ 11
1	77	86	487	100	841	98		
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R			
0.37	131	10.00	107	5.02	101			

**Lot 56 T022**

CED	BW	WW	YW	\$ BMI				
+1.5 (.08)	+1.8 (.34)	+36 (P+)	+54 (P+)	\$ 14				
CEM	MM	M&G	SC	\$ CEZ				
+1.9 (.06)	+21 (P)	+39	+0.1 (P+)	\$ 15				
FAT	REA	IMF		\$ BII				
+0.046 (P+)	+0.41 (P+)	+0.34 (P+)		\$ 12				
Phenotype:				\$ CHB				
CE	BW	BWR	aWW	WWR	aYW	YWR		\$ 20
1	72	89	429	84	729	84		
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R			
0.68	171	8.77	94	6.90	115			

**Lots 57 through 66 are Polled Hereford cows.**

**Lot 57 S635**

CED		BW		WW		YW		\$ BMI
+1.8	(.10)	+1.2	(.36)	+39	(.28)	+50	(.30)	\$ 13
CEM		MM		M&G		SC		\$ CEZ
-0.8	(.08)	+25	(.11)	+44		+0.5	(.08)	\$ 15
FAT		REA		IMF				\$ BII
+0.006	(.25)	+0.05	(.23)	+0.03	(.23)			\$ 13
Phenotype:								\$ CHB
CE	BW	BWR	aWW	WWR	aYW	YWR	FS	\$ 15
1	85	100	495	106	757	92	4.2	
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R			
0.19	66	7.74	90	3.06	71			

**Lot 58 S662**

CED		BW		WW		YW		\$ BMI
+3.6	(.11)	+1.9	(.38)	+34	(.30)	+47	(.32)	\$ 18
CEM		MM		M&G		SC		\$ CEZ
+2.3	(.10)	+19	(.16)	+36		+0.6	(.13)	\$ 19
FAT		REA		IMF				\$ BII
+0.003	(.28)	+0.09	(.26)	+0.08	(.27)			\$ 17
Phenotype:								\$ CHB
CE	BW	BWR	aWW	WWR	aYW	YWR	FS	\$ 15
1	83	92	556	106	857	98	5.3	
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R			
0.38	95	9.33	94	3.71	88			

**Lot 59 S692**

CED		BW		WW		YW		\$ BMI
+2.1	(.11)	+3.4	(.37)	+40	(.31)	+63	(.33)	\$ 21
CEM		MM		M&G		SC		\$ CEZ
+1.6	(.10)	+14	(.18)	+34		+0.9	(.14)	\$ 18
FAT		REA		IMF				\$ BII
+0.011	(.28)	+0.34	(.27)	+0.09	(.27)			\$ 20
Phenotype:								\$ CHB
CE	BW	BWR	aWW	WWR	aYW	YWR	FS	\$ 19
1	93	103	549	105	948	109	5.3	
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R			
0.50	123	11.43	116	4.36	103			

**Lot 60 R541**

CED		BW		WW		YW		\$ BMI
+3.5	(.12)	+2.8	(.40)	+45	(.32)	+70	(.34)	\$ 23
CEM		MM		M&G		SC		\$ CEZ
+2.0	(.11)	+16	(.17)	+38		+1.0	(.14)	\$ 19
FAT		REA		IMF				\$ BII
-0.002	(.29)	+0.45	(.27)	+0.10	(.28)			\$ 21
Phenotype:								\$ CHB
CE	BW	BWR	aWW	WWR	aYW	YWR	FS	\$ 23
1	79	97	532	113	926	109	6.4	
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R			
0.25	81	10.01	119	4.35	100			

**Lot 61 R511**

CED		BW		WW		YW		\$ BMI
+0.8	(.11)	+3.2	(.39)	+42	(.31)	+62	(.33)	\$ 20
CEM		MM		M&G		SC		\$ CEZ
+0.8	(.10)	+14	(.16)	+35		+0.8	(.15)	\$ 16
FAT		REA		IMF				\$ BII
+0.025	(.29)	+0.39	(.27)	+0.15	(.27)			\$ 19
Phenotype:								\$ CHB
CE	BW	BWR	aWW	WWR	aYW	YWR	FS	\$ 20
1	85	105	526	111	878	104	5.8	
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R			
0.50	163	10.10	120	4.03	93			

**Lot 62 R476**

CED		BW		WW		YW		\$ BMI
-4.2	(.11)	+5.4	(.40)	+48	(.25)	+82	(.25)	\$ 16
CEM		MM		M&G		SC		\$ CEZ
-0.5	(.09)	+18	(.13)	+42		+0.7	(.12)	\$ 10
FAT		REA		IMF				\$ BII
+0.008	(.25)	+0.45	(.23)	+0.23	(.23)			\$ 16
Phenotype:								\$ CHB
CE	BW	BWR	aWW	WWR	aYW	YWR	FS	\$ 25
1	84	106	469	0	958	0	6.9	
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R			
0.38	132	8.02	100	5.22	118			

**Lot 63 P274**

CED		BW		WW		YW		\$ BMI
+1.3	(.10)	+3.1	(.38)	+42	(.30)	+66	(.32)	\$ 18
CEM		MM		M&G		SC		\$ CEZ
+2.6	(.08)	+20	(.12)	+41		+0.7	(.10)	\$ 16
FAT		REA		IMF				\$ BII
+0.014	(.25)	+0.16	(.23)	+0.18	(.23)			\$ 16
Phenotype:								\$ CHB
CE	BW	BWR	aWW	WWR	aYW	YWR	FS	\$ 21
1	80	100	616	110	916	103	5.6	
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R			
0.37	131	9.89	108	5.56	114			

**Lot 64 P295**

CED		BW		WW		YW		\$ BMI
+1.9	(.11)	+3.2	(.40)	+35	(.32)	+51	(.34)	\$ 18
CEM		MM		M&G		SC		\$ CEZ
+0.1	(.10)	+19	(.19)	+36		+0.7	(.13)	\$ 17
FAT		REA		IMF				\$ BII
+0.028	(.29)	+0.31	(.27)	+0.18	(.27)			\$ 18
Phenotype:								\$ CHB
CE	BW	BWR	aWW	WWR	aYW	YWR	FS	\$ 17
1	84	101	560	100	860	97	6.4	
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R			
0.43	153	9.57	104	5.12	105			

**Lot 65 P316**

CED		BW		WW		YW		\$ BMI
-0.1	(.12)	+2.8	(.38)	+37	(.24)	+55	(.24)	\$ 13
CEM		MM		M&G		SC		\$ CEZ
-2.1	(.11)	+11	(.18)	+30		+0.4	(.13)	\$ 13
FAT		REA		IMF				\$ BII
+0.003	(.25)	-0.01	(.23)	+0.02	(.23)			\$ 14
Phenotype:								\$ CHB
CE	BW	BWR	aWW	WWR	aYW	YWR	FS	\$ 14
1	80	98	n/a	*S*	N/A	*S*	5.3	
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R			
0.18	92	7.30	95	4.19	82			

**Lot 66 P255**

CED		BW		WW		YW		\$ BMI
+1.7	(.12)	+2.1	(.39)	+31	(.31)	+51	(.32)	\$ 14
CEM		MM		M&G		SC		\$ CEZ
+1.6	(.10)	+15	(.16)	+30		+0.5	(.12)	\$ 16
FAT		REA		IMF				\$ BII
-0.005	(.27)	-0.07	(.26)	-0.08	(.26)			\$ 14
Phenotype:								\$ CHB
CE	BW	BWR	aWW	WWR	aYW	YWR	FS	\$ 10
1	79	100	459	94	919	94	5.4	
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R			
0.30	86	8.37	87	4.63	95			