

GUE	TEAT PLACEMENT	AUS	FRONT TEAT PLACEMENT	-72.453	0.7191
GUE	TEAT LENGTH	AUS	TEAT LENGTH	-49.270	0.5033
GUE	REAR ATTACHMENT HEIGHT	AUS	REAR UDDER HEIGHT	-76.290	0.7507
GUE	REAR TEAT PLACEMENT	AUS	REAR TEAT PLACEMENT	-61.248	0.6164
GUE	ANGULARITY	AUS	ANGULARITY	-53.737	0.5432

Conversion Factors For Type. Source = INTERBULL MACE 1604
 Converted Canadian Proof = A + (B* Foreign Proof)
 Converted Proof Reliability = TCORR2*Foreign Reliability

country2=GBR

c	a	n	b	r	e	e	d	c	f	o	u	n	t	r	a	y	2	a	b	v	v	a	a	l	l	u	u	e	e	t	c	o	r	r	2
GUE	FEET AND LEGS	GBR	OVERALL FEET & LEG	0.451	3.8469																														
GUE	MAMMARY SYSTEM	GBR	OVERALL UDDER SCORE	-1.441	4.7972																														
GUE	STATURE	GBR	STATURE	-6.580	5.7604																														
GUE	CHEST WIDTH	GBR	CHEST WIDTH	-0.320	3.8717																														
GUE	BODY DEPTH	GBR	BODY DEPTH	-2.263	3.9813																														
GUE	PIN WIDTH	GBR	RUMP WIDTH	-1.204	4.4728																														
GUE	RUMP ANGLE	GBR	RUMP ANGLE	-0.134	3.6937																														
GUE	FOOT ANGLE	GBR	FOOT ANGLE	0.629	3.3312																														
GUE	REAR LEGS SIDE VIEW	GBR	REAR LEG SET	-1.015	3.5314																														
GUE	UDDER DEPTH	GBR	UDDER DEPTH	-0.205	3.7107																														
GUE	MEDIAN SUSPENSORY	GBR	MEDIAN SUSPENSORY	-1.176	2.9325																														
GUE	FORE ATTACHMENT	GBR	FORE UDDER	0.116	4.4843																														
GUE	TEAT PLACEMENT	GBR	FRONT TEAT PLACEMENT	-1.000	4.2597																														
GUE	TEAT LENGTH	GBR	TEAT LENGTH	-0.709	2.1762																														
GUE	REAR ATTACHMENT HEIGHT	GBR	REAR UDDER HEIGHT	-3.543	2.3656																														
GUE	ANGULARITY	GBR	ANGULARITY	-4.295	4.4958																														

Conversion Factors For Type. Source = INTERBULL MACE 1604
 Converted Canadian Proof = A + (B* Foreign Proof)
 Converted Proof Reliability = TCORR2*Foreign Reliability

country2=USA

c	a	n	b	r	e	e	d	c	f	o	u	n	t	r	a	y	2	a	b	v	v	a	a	l	l	u	u	e	e	t	c	o	r	r	2
GUE	CONFORMATION	USA	PTA TYPE (FINAL SCORE)	2.921	6.1416	0.61																													
GUE	FEET AND LEGS	USA	OVERALL FEET & LEG	1.595	5.1338																														
GUE	MAMMARY SYSTEM	USA	OVERALL UDDER SCORE	2.407	8.9090																														

GUE	STATURE	USA	STATURE	0.071	2.6760
GUE	CHEST WIDTH	USA	STRENGTH	1.306	4.9248
GUE	BODY DEPTH	USA	BODY DEPTH	0.915	3.4420
GUE	PIN WIDTH	USA	THURL WIDTH	1.093	4.7322
GUE	RUMP ANGLE	USA	RUMP ANGLE	0.136	3.7723
GUE	FOOT ANGLE	USA	FOOT ANGLE	2.148	8.7440
GUE	REAR LEGS SIDE VIEW	USA	REAR LEGS - SIDE VIEW	-1.433	7.5915
GUE	REAR LEG REAR VIEW	USA	REAR LEG REAR VIEW	0.254	6.5996
GUE	UDDER DEPTH	USA	UDDER DEPTH	0.868	3.3691
GUE	MEDIAN SUSPENSORY	USA	UDDER CLEFT	0.255	4.7712
GUE	FORE ATTACHMENT	USA	FORE UDDER ATTACHMENT	1.762	4.2374
GUE	FRONT TEAT PLACEMENT	USA	FRONT TEAT PLACEMENT	0.582	3.9823
GUE	TEAT LENGTH	USA	TEAT LENGTH	-0.506	2.9119
GUE	REAR ATTACHMENT HEIGHT	USA	REAR UDDER HEIGHT	0.545	3.4836
GUE	REAR TEAT PLACEMENT	USA	REAR TEAT PLACEMENT	1.388	3.8560
GUE	ANGULARITY	USA	DAIRY FORM	1.444	3.7120

CALCULATION OF FAT% AND PROTEIN% FOR APRIL 2016

BREED	BMILK	BFAT	BPRT
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AYS	7595	314	257
BSW	8147	342	288
CN	5832	255	207
GUE	6807	320	235
JER	6440	322	247
HOL	9994	384	320
MS	6402	246	213

$$EBVFAT\% = 200 * [(BFAT + EBVFAT * 0.5) / (BMILK + EBVMILK * 0.5) - (BFAT / BMILK)]$$

$$EBVPROT\% = 200 * [(BPRT + EBVPRT * 0.5) / (BMILK + EBVMILK * 0.5) - (BPRT / BMILK)]$$

EXAMPLE :

A HOLSTEIN bull has EBV MILK=+1000, EBVFAT=+50, EBVPROT=+40

$$\begin{aligned}
 EBVFAT\% &= 200 * [(384 + 50 * .5) / (9994 + 1000 * .5) - (384 / 9994)] \\
 &= 200 * [(384 + 25) / (9994 + 500) - (0.03842)] \\
 &= 200 * [0.03897 - 0.03842] \\
 &= 200 * 0.00055 \\
 &= 0.11
 \end{aligned}$$

$$\begin{aligned}
 EBVPROT\% &= 200 * [(320 + 40 * .5) / (9994 + 1000 * .5) - (320 / 9994)] \\
 &= 200 * [(320 + 20) / (9994 + 500) - (0.03202)] \\
 &= 200 * [0.03240 - 0.03202] \\
 &= 200 * 0.00038 \\
 &= 0.08
 \end{aligned}$$