

AYS	FEET AND LEGS	AUS	OVERALL FEET & LEG	-12.023	0.088
AYS	MAMMARY SYSTEM	AUS	OVERALL UDDER SCORE	-55.864	0.513
AYS	STATURE	AUS	STATURE	-56.606	0.508
AYS	CHEST WIDTH	AUS	CHEST WIDTH	-51.176	0.519
AYS	BODY DEPTH	AUS	BODY DEPTH	-60.160	0.579
AYS	PIN WIDTH	AUS	RUMP WIDTH	-59.642	0.580
AYS	RUMP ANGLE	AUS	RUMP ANGLE	-76.773	0.758
AYS	FOOT ANGLE	AUS	FOOT ANGLE	-64.716	0.643
AYS	REAR LEGS SIDE VIEW	AUS	REAR LEG SET	-88.649	0.941
AYS	REAR LEG REAR VIEW	AUS	REAR LEG REAR VIEW	-82.508	0.802
AYS	UDDER DEPTH	AUS	UDDER DEPTH	-58.622	0.544
AYS	MEDIAN SUSPENSORY	AUS	MEDIAN SUSPENSORY	-60.399	0.585
AYS	FORE ATTACHMENT	AUS	FORE UDDER	-56.386	0.522
AYS	TEAT PLACEMENT	AUS	FRONT TEAT PLACEMENT	-41.812	0.402
AYS	TEAT LENGTH	AUS	TEAT LENGTH	-48.831	0.495
AYS	REAR ATTACHMENT HEIGHT	AUS	REAR UDDER HEIGHT	-58.298	0.508
AYS	REAR TEAT PLACEMENT	AUS	REAR TEAT PLACEMENT	-89.920	0.865
AYS	ANGULARITY	AUS	ANGULARITY	-39.846	0.359

Conversion Factors For Type. Source = INTERBULL MACE 1104
 Converted Canadian Proof = A + (B* Foreign Proof)
 Converted Proof Reliability = TCORR2*Foreign Reliability

country2=DEU

	c	c	f			
	a	o	o		a	b
	n	u	r		v	v
b	t	n	t		a	a
r	r	t	r		l	l
e	a	r	a		u	u
e	i	y	i		e	e
d	t	2	t			2
AYS	CONFORMATION	DEU	OVERALL TYPE (RZE)	-24.262	0.248	0.53
AYS	FEET AND LEGS	DEU	OVERALL FEET & LEG	-46.190	0.451	
AYS	MAMMARY SYSTEM	DEU	OVERALL UDDER SCORE	-38.731	0.381	
AYS	STATURE	DEU	STATURE	-47.840	0.503	
AYS	CHEST WIDTH	DEU	CHEST WIDTH	-38.799	0.406	
AYS	BODY DEPTH	DEU	BODY DEPTH	-49.987	0.526	
AYS	PIN WIDTH	DEU	RUMP WIDTH	-58.356	0.629	
AYS	RUMP ANGLE	DEU	RUMP ANGLE	-59.486	0.558	
AYS	FOOT ANGLE	DEU	FOOT ANGLE	-42.943	0.438	
AYS	REAR LEGS SIDE VIEW	DEU	REAR LEG SET	-64.068	0.630	
AYS	REAR LEG REAR VIEW	DEU	REAR LEG REAR VIEW	-44.382	0.434	
AYS	UDDER DEPTH	DEU	UDDER DEPTH	-52.307	0.519	
AYS	MEDIAN SUSPENSORY	DEU	MEDIAN SUSPENSORY	-42.208	0.439	
AYS	FORE ATTACHMENT	DEU	FORE UDDER	-48.862	0.462	
AYS	FRONT TEAT PLACEMENT	DEU	FRONT TEAT PLACEMENT	-47.342	0.467	
AYS	TEAT LENGTH	DEU	TEAT LENGTH	-42.109	0.402	
AYS	REAR ATTACHMENT HEIGHT	DEU	REAR UDDER HEIGHT	-50.587	0.482	
AYS	REAR TEAT PLACEMENT	DEU	REAR TEAT PLACEMENT	-56.657	0.545	
AYS	ANGULARITY	DEU	ANGULARITY	-43.858	0.459	

Conversion Factors For Type. Source = INTERBULL MACE 1104
 Converted Canadian Proof = A + (B* Foreign Proof)

Converted Proof Reliability = TCORR2*Foreign Reliability

country2=DFS

c	c	f				
a	o	o				
n	u	r	a	b	t	
b	n	t	v	v	c	
r	t	r	a	a	o	
e	r	a	l	l	r	
e	y	i	u	u	r	
d	2	t	e	e	2	
AYS	CONFORMATION	DFS	OVERALL CONFORMATION	-40.144	0.362	0.50
AYS	FEET AND LEGS	DFS	OVERALL FEET & LEG	-50.289	0.474	
AYS	MAMMARY SYSTEM	DFS	OVERALL UDDER SCORE	-44.155	0.418	
AYS	STATURE	DFS	STATURE	-61.450	0.589	
AYS	CHEST WIDTH	DFS	CHEST WIDTH	-24.724	0.255	
AYS	BODY DEPTH	DFS	BODY DEPTH	-40.763	0.386	
AYS	PIN WIDTH	DFS	RUMP WIDTH	-49.006	0.479	
AYS	RUMP ANGLE	DFS	RUMP ANGLE	-52.513	0.536	
AYS	FOOT ANGLE	DFS	FOOT ANGLE	-15.578	0.161	
AYS	REAR LEGS SIDE VIEW	DFS	REAR LEG SET	-67.201	0.711	
AYS	REAR LEG REAR VIEW	DFS	REAR LEG REAR VIEW	-45.485	0.435	
AYS	UDDER DEPTH	DFS	UDDER DEPTH	-49.609	0.473	
AYS	MEDIAN SUSPENSORY	DFS	MEDIAN SUSPENSORY	-41.864	0.407	
AYS	FORE ATTACHMENT	DFS	FORE UDDER	-40.271	0.377	
AYS	FRONT TEAT PLACEMENT	DFS	FRONT TEAT PLACEMENT	-41.677	0.415	
AYS	TEAT LENGTH	DFS	TEAT LENGTH	-38.410	0.372	
AYS	REAR ATTACHMENT HEIGHT	DFS	REAR UDDER HEIGHT	-50.456	0.445	
AYS	REAR TEAT PLACEMENT	DFS	REAR TEAT PLACEMENT	-48.801	0.465	
AYS	ANGULARITY	DFS	ANGULARITY	-45.713	0.418	

Conversion Factors For Type. Source = INTERBULL MACE 1104

Converted Canadian Proof = A + (B* Foreign Proof)

Converted Proof Reliability = TCORR2*Foreign Reliability

country2=GBR

c	c	f				
a	o	o				
n	u	r	a	b	t	
b	n	t	v	v	c	
r	t	r	a	a	o	
e	r	a	l	l	r	
e	y	i	u	u	r	
d	2	t	e	e	2	
AYS	CONFORMATION	GBR	CONFORMATION	0.056	2.970	0.64
AYS	FEET AND LEGS	GBR	OVERALL FEET & LEG	-1.212	2.656	
AYS	MAMMARY SYSTEM	GBR	OVERALL UDDER SCORE	-0.351	3.208	
AYS	STATURE	GBR	STATURE	-2.548	4.382	
AYS	CHEST WIDTH	GBR	CHEST WIDTH	2.043	3.573	
AYS	BODY DEPTH	GBR	BODY DEPTH	0.479	3.407	
AYS	PIN WIDTH	GBR	RUMP WIDTH	0.511	3.599	
AYS	RUMP ANGLE	GBR	RUMP ANGLE	-2.228	4.499	
AYS	FOOT ANGLE	GBR	FOOT ANGLE	0.141	2.975	
AYS	REAR LEGS SIDE VIEW	GBR	REAR LEG SET	1.696	2.932	

AYS	UDDER DEPTH	GBR	UDDER DEPTH	-0.913	2.636
AYS	MEDIAN SUSPENSORY	GBR	MEDIAN SUSPENSORY	0.383	2.688
AYS	FORE ATTACHMENT	GBR	FORE UDDER	1.022	2.961
AYS	TEAT PLACEMENT	GBR	FRONT TEAT PLACEMENT	2.567	3.504
AYS	TEAT LENGTH	GBR	TEAT LENGTH	-1.120	3.088
AYS	REAR ATTACHMENT HEIGHT	GBR	REAR UDDER HEIGHT	-1.964	2.875
AYS	REAR TEAT PLACEMENT	GBR	REAR TEAT PLACEMENT	-3.395	1.161
AYS	ANGULARITY	GBR	ANGULARITY	-2.230	3.414

Conversion Factors For Type. Source = INTERBULL MACE 1104
 Converted Canadian Proof = A + (B* Foreign Proof)
 Converted Proof Reliability = TCORR2*Foreign Reliability

country2=NOR

	c		c	f				
	a		o	o				
	n		u	r		a	b	t
b	t		n	t		v	v	c
r	r		t	r		a	a	o
e	a		r	a		l	l	r
e	i		y	i		u	u	r
d	t		2	t		e	e	2

AYS	CONFORMATION	NOR	OVERALL CONFORMATION	-25.845	0.215	0.25
AYS	FEET AND LEGS	NOR	OVERALL FEET & LEG	-36.122	0.328	
AYS	MAMMARY SYSTEM	NOR	OVERALL UDDER SCORE	-32.888	0.267	
AYS	STATURE	NOR	STATURE	-53.353	0.461	
AYS	CHEST WIDTH	NOR	CHEST WIDTH	-30.231	0.316	
AYS	RUMP ANGLE	NOR	RUMP ANGLE	-45.345	0.465	
AYS	FOOT ANGLE	NOR	FOOT ANGLE	-6.887	0.065	
AYS	REAR LEGS SIDE VIEW	NOR	REAR LEG SET	-43.622	0.481	
AYS	REAR LEG REAR VIEW	NOR	REAR LEG REAR VIEW	-28.821	0.270	
AYS	UDDER DEPTH	NOR	UDDER DEPTH	-40.123	0.345	
AYS	MEDIAN SUSPENSORY	NOR	MEDIAN SUSPENSORY	-14.548	0.112	
AYS	FORE ATTACHMENT	NOR	FORE UDDER	-36.948	0.323	
AYS	FRONT TEAT PLACEMENT	NOR	FRONT TEAT PLACEMENT	-49.023	0.453	
AYS	TEAT LENGTH	NOR	TEAT LENGTH	-22.915	0.219	
AYS	REAR ATTACHMENT HEIGHT	NOR	REAR UDDER HEIGHT	-37.415	0.286	
AYS	REAR TEAT PLACEMENT	NOR	REAR TEAT PLACEMENT	34.134	-0.386	

Conversion Factors For Type. Source = INTERBULL MACE 1104
 Converted Canadian Proof = A + (B* Foreign Proof)
 Converted Proof Reliability = TCORR2*Foreign Reliability

country2=NZL

	c		c	f				
	a		o	o				
	n		u	r		a	b	t
b	t		n	t		v	v	c
r	r		t	r		a	a	o
e	a		r	a		l	l	r
e	i		y	i		u	u	r
d	t		2	t		e	e	2

AYS	CONFORMATION	NZL	OVERALL CONFORMATION	-5.495	7.632	0.15
AYS	MAMMARY SYSTEM	NZL	OVERALL UDDER SCORE	-5.748	12.191	
AYS	STATURE	NZL	STATURE	-9.237	10.181	
AYS	CHEST WIDTH	NZL	CHEST WIDTH	-0.350	8.528	
AYS	BODY DEPTH	NZL	BODY DEPTH	-2.034	8.362	
AYS	PIN WIDTH	NZL	RUMP WIDTH	-2.126	16.711	
AYS	RUMP ANGLE	NZL	RUMP ANGLE	-4.880	18.524	
AYS	REAR LEGS SIDE VIEW	NZL	REAR LEG SET	4.157	31.735	
AYS	MEDIAN SUSPENSORY	NZL	MEDIAN SUSPENSORY	-2.912	12.415	
AYS	FORE ATTACHMENT	NZL	FORE UDDER	-5.178	12.643	
AYS	FRONT TEAT PLACEMENT	NZL	FRONT TEAT PLACEMENT	-3.884	18.313	
AYS	REAR ATTACHMENT HEIGHT	NZL	REAR UDDER HEIGHT	-5.884	13.762	
AYS	REAR TEAT PLACEMENT	NZL	REAR TEAT PLACEMENT	-5.888	16.706	

Conversion Factors For Type. Source = INTERBULL MACE 1104
 Converted Canadian Proof = A + (B* Foreign Proof)
 Converted Proof Reliability = TCORR2*Foreign Reliability

country2=USA

	c		c	f				
	a		o	o				
	n		u	r		a	b	t
b	t		n	t		v	v	c
r	r		t	r		a	a	o
e	a		r	a		l	l	r
e	i		y	i		u	u	r
d	t		2	t		e	e	2

AYS	CONFORMATION	USA	CONFORMATION	-0.853	6.193	0.69
AYS	FEET AND LEGS	USA	OVERALL FEET & LEG	-1.637	3.861	
AYS	MAMMARY SYSTEM	USA	OVERALL UDDER SCORE	-0.126	5.480	
AYS	STATURE	USA	STATURE	-0.913	2.593	
AYS	CHEST WIDTH	USA	CHEST WIDTH	0.242	4.803	
AYS	BODY DEPTH	USA	BODY DEPTH	-0.319	4.414	
AYS	PIN WIDTH	USA	RUMP WIDTH	0.829	4.305	
AYS	RUMP ANGLE	USA	RUMP ANGLE	-0.760	5.497	
AYS	FOOT ANGLE	USA	FOOT ANGLE	-0.832	6.432	
AYS	REAR LEGS SIDE VIEW	USA	REAR LEG SET	0.386	8.479	
AYS	UDDER DEPTH	USA	UDDER DEPTH	-0.423	4.651	
AYS	MEDIAN SUSPENSORY	USA	MEDIAN SUSPENSORY	-0.416	5.397	
AYS	FORE ATTACHMENT	USA	FORE UDDER	-0.681	4.792	
AYS	TEAT PLACEMENT	USA	FRONT TEAT PLACEMENT	-0.017	4.412	
AYS	TEAT LENGTH	USA	TEAT LENGTH	-0.012	3.824	
AYS	REAR ATTACHMENT HEIGHT	USA	REAR UDDER HEIGHT	-0.442	4.683	
AYS	ANGULARITY	USA	ANGULARITY	-0.465	5.777	

CALCULATION OF FAT% AND PROTEIN% FOR APRIL 2011

BREED	BMILK	BFAT	BPRT
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AYS	7320	295	246
BSW	7988	326	278
CN	5285	227	188
GUE	6709	303	231
JER	6256	305	239

HOL	9606	359	308
MS	6506	230	215

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

EBVFAT% = 200 * [(359+50*.5) / (9606+1000*.5) - (359/9606)]
= 200 * [(359+25) / (9606+500) - (0.03737)]
= 200 * [0.03800 - 0.03737]
= 200 * 0.00062
= 0.12

EBVPROT% = 200 * [(308+40*.5) / (9606+1000*.5) - (308/9606)]
= 200 * [(308+20) / (9606+500) - (0.03206)]
= 200 * [0.03246 - 0.03206]
= 200 * 0.00039
= 0.08