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 Conversion Factors For Production Traits. Source: INTERBULL 1108

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

Converted Proof Reliability = PCORR2\*Foreign Reliability

breed	country2	amilk	bmilk	afat	bfat	aprot	bprot	pcorr2
HOL	AUS	-277.00	1.4478	12.548	1.2966	4.213	1.5924	0.5776
HOL	BEL	-351.37	1.4442	-3.280	1.3393	-0.966	1.3595	0.7225
HOL	CHE	-474.32	1.4232	1.594	1.3784	-6.571	1.4179	0.8281
HOL	CHR	-1326.56	1.3509	-17.285	1.2422	-27.119	1.3319	0.7396
HOL	CZE	288.87	1.2776	12.155	1.1925	16.698	1.1510	0.7225
HOL	DEU	-209.91	1.2565	8.400	1.1829	3.961	1.2085	0.7921
HOL	DFS	-6134.70	64.8990	-235.033	2.6015	-158.018	1.8179	0.8464
HOL	ESP	126.08	1.4478	7.449	1.3314	7.770	1.3774	0.7921
HOL	EST	-427.11	1.1158	4.099	1.1782	-0.736	1.0583	0.7396
HOL	FRA	288.21	1.1127	17.082	1.0593	19.879	1.1009	0.8281
HOL	FRR	-960.85	1.0378	-2.348	1.1450	-9.781	1.0453	0.7569
HOL	GBR	-147.30	2.6701	5.664	2.8435	2.247	2.8403	0.7569
HOL	HUN	22.28	1.1173	4.040	1.2128	4.807	1.0480	0.7396
HOL	IRL	-1164.06	4.4497	-20.110	4.4313	-20.729	4.2945	0.5625
HOL	ISR	190.56	1.9344	33.979	1.9364	17.643	2.2032	0.6400
HOL	ITA	90.07	1.2299	6.024	1.1558	6.908	1.1107	0.8100
HOL	JPN	324.11	0.9345	12.154	1.0383	11.558	0.9580	0.7225
HOL	LTU	-1258.68	2.2614	-7.957	1.7690	-19.975	1.8103	0.7569
HOL	LVA	-771.78	1.9930	2.103	1.4512	-8.310	1.8117	0.7396
HOL	NLD	212.42	1.1751	27.613	1.1197	24.893	1.1494	0.8281
HOL	NZL	-1992.13	2.2099	-9.962	1.7966	-30.889	1.9903	0.5625
HOL	POL	-202.77	1.9169	8.489	1.7741	2.592	1.9950	0.7225
HOL	PRT	-217.34	1.3071	2.659	1.2001	2.968	1.1696	0.7225
HOL	SVK	-71.05	1.9680	-1.468	1.8602	5.059	1.9326	0.7225
HOL	SVN	-380.05	3.5766	-3.989	3.3905	-6.263	3.3538	0.7396
HOL	USA	328.14	1.0363	6.765	1.0617	10.111	1.1081	0.8464
HOL	ZAF	-51.68	1.7865	5.079	1.5890	3.576	1.6924	0.7225

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 Conversion Factors For SCS Traits. Source: INTERBULL 1108

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

Converted Proof Reliability = SCORR2\*Foreign Reliability

breed	country2	a	b	scorr2
HOL	AUS	3.8135	-0.0074	0.7056
HOL	BEL	1.4647	0.5082	0.8281
HOL	CHE	5.1155	-0.0216	0.8100
HOL	CHR	5.1534	-0.0224	0.7225
HOL	CZE	4.5338	-0.0151	0.7225
HOL	DEU	2.9630	0.5079	0.8281
HOL	DFS	5.0426	-0.0212	0.8281
HOL	ESP	5.2026	-0.0222	0.8464
HOL	EST	4.8452	-0.0183	0.7569
HOL	FRA	2.9901	-0.2064	0.8464
HOL	FRR	2.9865	-0.2281	0.8464
HOL	GBR	2.9912	0.0192	0.8649
HOL	HUN	2.9359	0.1918	0.7921
HOL	IRL	2.9638	2.1258	0.7569
HOL	ISR	2.9103	0.9725	0.7396

HOL	ITA	7.0722	-0.0411	0.8281
HOL	JPN	1.6760	0.5760	0.7744
HOL	LTU	2.9601	0.6830	0.7396
HOL	LVA	3.0273	0.4998	0.7225
HOL	NLD	8.2218	-0.0519	0.8464
HOL	NZL	3.0466	0.5307	0.6561
HOL	POL	5.0995	-0.0219	0.8100
HOL	PRT	3.0122	0.4011	0.7225
HOL	SVK	1.0762	0.6377	0.7396
HOL	USA	-0.2745	1.0920	0.9025
HOL	ZAF	2.9901	0.0911	0.7921

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Conversion Factors For Type. Source = INTERBULL MACE 1108  
 Converted Canadian Proof = A + (B\* Foreign Proof)  
 Converted Proof Reliability = TCORR2\*Foreign Reliability

country2=AUS

c		c	f				
a		o	o		a	b	t
n		u	r		v	v	c
b	t	n	t		a	a	o
r	r	t	r		l	l	r
e	a	r	a		u	u	r
e	i	y	i		e	e	2
d	t	2	t				
HOL	CONFORMATION	AUS	GENERAL APPEARANCE	-61.495	0.560	0.35	
HOL	FEET AND LEGS	AUS	OVERALL FEET & LEG	-17.799	0.135		
HOL	MAMMARY SYSTEM	AUS	OVERALL UDDER SCORE	-69.840	0.657		
HOL	STATURE	AUS	STATURE	-48.642	0.439		
HOL	CHEST WIDTH	AUS	CHEST WIDTH	-53.671	0.537		
HOL	BODY DEPTH	AUS	BODY DEPTH	-55.251	0.547		
HOL	PIN WIDTH	AUS	PIN WIDTH	-54.068	0.524		
HOL	RUMP ANGLE	AUS	RUMP ANGLE	-47.087	0.483		
HOL	FOOT ANGLE	AUS	FOOT ANGLE	-57.657	0.553		
HOL	REAR LEGS SIDE VIEW	AUS	REAR LEG SET	-79.417	0.801		
HOL	REAR LEG REAR VIEW	AUS	REAR LEG REAR VIEW	-61.717	0.595		
HOL	UDDER DEPTH	AUS	UDDER DEPTH	-48.691	0.456		
HOL	MEDIAN SUSPENSORY	AUS	MEDIAN SUSPENSORY	-70.391	0.671		
HOL	FORE ATTACHMENT	AUS	FORE UDDER	-61.792	0.592		
HOL	FRONT TEAT PLACEMENT	AUS	FRONT TEAT PLACEMENT	-50.242	0.490		
HOL	TEAT LENGTH	AUS	TEAT LENGTH	-39.124	0.383		
HOL	REAR ATTACHMENT HEIGHT	AUS	REAR UDDER HEIGHT	-66.124	0.624		
HOL	REAR TEAT PLACEMENT	AUS	REAR TEAT PLACEMENT	-58.480	0.574		
HOL	ANGULARITY	AUS	ANGULARITY	-53.504	0.492		

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Conversion Factors For Type. Source = INTERBULL MACE 1108  
 Converted Canadian Proof = A + (B\* Foreign Proof)  
 Converted Proof Reliability = TCORR2\*Foreign Reliability

country2=BEL

c		c	f				
a		o	o		a	b	t
n		u	r				

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
HOL	CONFORMATION	BEL	CONFORMATION	-1.809	3.268	0.55
HOL	FEET AND LEGS	BEL	OVERALL FEET & LEG	0.002	2.613	
HOL	MAMMARY SYSTEM	BEL	OVERALL UDDER SCORE	-1.500	3.337	
HOL	STATURE	BEL	STATURE	-2.071	4.565	
HOL	CHEST WIDTH	BEL	CHEST WIDTH	0.153	3.185	
HOL	BODY DEPTH	BEL	BODY DEPTH	-1.184	3.495	
HOL	PIN WIDTH	BEL	RUMP WIDTH	-0.501	3.650	
HOL	RUMP ANGLE	BEL	RUMP ANGLE	1.005	3.565	
HOL	FOOT ANGLE	BEL	FOOT ANGLE	0.319	2.744	
HOL	REAR LEGS SIDE VIEW	BEL	REAR LEG SET	-0.858	3.071	
HOL	REAR LEG REAR VIEW	BEL	REAR LEG REAR VIEW	0.837	2.766	
HOL	UDDER DEPTH	BEL	UDDER DEPTH	-1.272	4.049	
HOL	MEDIAN SUSPENSORY	BEL	MEDIAN SUSPENSORY	-1.287	3.006	
HOL	FORE ATTACHMENT	BEL	FORE UDDER	-1.419	2.989	
HOL	TEAT PLACEMENT	BEL	FRONT TEAT PLACEMENT	-0.867	3.749	
HOL	TEAT LENGTH	BEL	TEAT LENGTH	-0.089	3.628	
HOL	REAR ATTACHMENT HEIGHT	BEL	REAR UDDER HEIGHT	-2.351	4.107	
HOL	REAR TEAT PLACEMENT	BEL	REAR TEAT PLACEMENT	-1.492	4.249	
HOL	ANGULARITY	BEL	ANGULARITY	-2.426	4.341	

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Conversion Factors For Type. Source = INTERBULL MACE 1108  
 Converted Canadian Proof = A + (B\* Foreign Proof)  
 Converted Proof Reliability = TCORR2\*Foreign Reliability

country2=CHE

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
HOL	CONFORMATION	CHE	FINAL SCORE	-39.032	0.380	0.83
HOL	FEET AND LEGS	CHE	OVERALL FEET & LEG	-0.132	5.297	
HOL	MAMMARY SYSTEM	CHE	OVERALL UDDER SCORE	-1.068	4.572	
HOL	STATURE	CHE	STATURE	-1.621	4.892	
HOL	CHEST WIDTH	CHE	CHEST WIDTH	0.440	4.997	
HOL	BODY DEPTH	CHE	BODY DEPTH	-0.542	3.803	
HOL	PIN WIDTH	CHE	RUMP WIDTH	-0.548	5.295	
HOL	RUMP ANGLE	CHE	RUMP ANGLE	0.180	6.174	
HOL	FOOT ANGLE	CHE	FOOT ANGLE	-0.198	3.562	
HOL	REAR LEGS SIDE VIEW	CHE	REAR LEG SET	0.193	4.451	
HOL	REAR LEG REAR VIEW	CHE	REAR LEG REAR VIEW	-0.921	3.815	
HOL	UDDER DEPTH	CHE	UDDER DEPTH	0.503	4.394	
HOL	MEDIAN SUSPENSORY	CHE	MEDIAN SUSPENSORY	-1.632	4.594	
HOL	FORE ATTACHMENT	CHE	FORE UDDER	-0.991	4.555	
HOL	FRONT TEAT PLACEMENT	CHE	FRONT TEAT PLACEMENT	-0.669	5.180	
HOL	TEAT LENGTH	CHE	TEAT LENGTH	-1.251	5.129	
HOL	REAR ATTACHMENT HEIGHT	CHE	REAR UDDER HEIGHT	-2.193	4.760	

HOL	REAR TEAT PLACEMENT	CHE	REAR TEAT PLACEMENT	-1.373	6.133
HOL	ANGULARITY	CHE	ANGULARITY	-2.710	4.361

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Conversion Factors For Type. Source = INTERBULL MACE 1108  
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 Converted Proof Reliability = TCORR2\*Foreign Reliability

country2=CHR

	c		c	f			
	a		o	o			
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b	t		n	t		v	v
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e	a		r	a		l	l
e	i		y	i		u	u
d	t		2	t		e	e
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HOL	CONFORMATION	CHR	OVERALL SCORE	-76.739	0.704	0.79
HOL	FEET AND LEGS	CHR	OVERALL FEET & LEG	-51.760	0.500	
HOL	MAMMARY SYSTEM	CHR	OVERALL UDDER SCORE	-64.216	0.576	
HOL	STATURE	CHR	STATURE	-46.119	0.366	
HOL	CHEST WIDTH	CHR	CHEST WIDTH	-38.357	0.416	
HOL	BODY DEPTH	CHR	BODY DEPTH	-56.815	0.523	
HOL	PIN WIDTH	CHR	RUMP WIDTH	-29.713	0.250	
HOL	RUMP ANGLE	CHR	RUMP ANGLE	-41.645	0.422	
HOL	FOOT ANGLE	CHR	FOOT ANGLE	-37.362	0.366	
HOL	REAR LEGS SIDE VIEW	CHR	REAR LEG SET	-52.659	0.522	
HOL	REAR LEG REAR VIEW	CHR	REAR LEG REAR VIEW	-36.580	0.378	
HOL	UDDER DEPTH	CHR	UDDER DEPTH	-44.450	0.441	
HOL	MEDIAN SUSPENSORY	CHR	MEDIAN SUSPENSORY	-58.643	0.524	
HOL	FORE ATTACHMENT	CHR	FORE UDDER	-45.048	0.435	
HOL	FRONT TEAT PLACEMENT	CHR	FRONT TEAT PLACEMENT	-47.184	0.434	
HOL	TEAT LENGTH	CHR	TEAT LENGTH	-53.184	0.500	
HOL	REAR ATTACHMENT HEIGHT	CHR	REAR UDDER HEIGHT	-59.179	0.527	

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Conversion Factors For Type. Source = INTERBULL MACE 1108  
 Converted Canadian Proof = A + (B\* Foreign Proof)  
 Converted Proof Reliability = TCORR2\*Foreign Reliability

country2=CZE

	c		c	f			
	a		o	o			
	n		u	r		a	b
b	t		n	t		v	v
r	r		t	r		a	a
e	a		r	a		l	l
e	i		y	i		u	u
d	t		2	t		e	e
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HOL	CONFORMATION	CZE	OVERALL SCORE	-34.632	0.303	0.67
HOL	FEET AND LEGS	CZE	OVERALL FEET & LEG	-33.629	0.312	
HOL	MAMMARY SYSTEM	CZE	OVERALL UDDER SCORE	-32.842	0.294	
HOL	STATURE	CZE	STATURE	-38.503	0.342	
HOL	CHEST WIDTH	CZE	CHEST WIDTH	-40.346	0.393	

HOL	BODY DEPTH	CZE	BODY DEPTH	-36.602	0.348
HOL	PIN WIDTH	CZE	RUMP WIDTH	-42.590	0.408
HOL	RUMP ANGLE	CZE	RUMP ANGLE	-43.409	0.438
HOL	FOOT ANGLE	CZE	FOOT ANGLE	-31.799	0.315
HOL	REAR LEGS SIDE VIEW	CZE	REAR LEG SET	-36.155	0.352
HOL	REAR LEG REAR VIEW	CZE	REAR LEG REAR VIEW	-31.090	0.306
HOL	UDDER DEPTH	CZE	UDDER DEPTH	-40.672	0.377
HOL	MEDIAN SUSPENSORY	CZE	MEDIAN SUSPENSORY	-35.225	0.337
HOL	FORE ATTACHMENT	CZE	FORE UDDER	-37.911	0.357
HOL	FRONT TEAT PLACEMENT	CZE	FRONT TEAT PLACEMENT	-41.720	0.407
HOL	TEAT LENGTH	CZE	TEAT LENGTH	-36.731	0.370
HOL	REAR ATTACHMENT HEIGHT	CZE	REAR UDDER HEIGHT	-36.928	0.336
HOL	REAR TEAT PLACEMENT	CZE	REAR TEAT PLACEMENT	-39.513	0.381
HOL	ANGULARITY	CZE	ANGULARITY	-35.033	0.318

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Conversion Factors For Type. Source = INTERBULL MACE 1108  
 Converted Canadian Proof = A + (B\* Foreign Proof)  
 Converted Proof Reliability = TCORR2\*Foreign Reliability

country2=DEU

c		c	f				
a		o	o		a	b	t
n		u	r		v	v	c
b	t	n	t		a	a	o
r	r	t	r		l	l	r
e	a	r	a		u	u	r
e	i	y	i		e	e	2
d	t	2	t				
HOL	CONFORMATION	DEU	OVERALL TYPE (RZE)	-38.651	0.364	0.72	
HOL	FEET AND LEGS	DEU	OVERALL FEET & LEG	-57.040	0.563		
HOL	MAMMARY SYSTEM	DEU	OVERALL UDDER SCORE	-43.938	0.420		
HOL	STATURE	DEU	STATURE	-45.792	0.437		
HOL	CHEST WIDTH	DEU	CHEST WIDTH	-45.358	0.443		
HOL	BODY DEPTH	DEU	BODY DEPTH	-45.359	0.441		
HOL	PIN WIDTH	DEU	RUMP WIDTH	-48.274	0.468		
HOL	RUMP ANGLE	DEU	RUMP ANGLE	-46.288	0.463		
HOL	FOOT ANGLE	DEU	FOOT ANGLE	-46.534	0.464		
HOL	REAR LEGS SIDE VIEW	DEU	REAR LEG SET	-48.691	0.485		
HOL	REAR LEG REAR VIEW	DEU	REAR LEG REAR VIEW	-51.368	0.514		
HOL	UDDER DEPTH	DEU	UDDER DEPTH	-43.836	0.420		
HOL	MEDIAN SUSPENSORY	DEU	MEDIAN SUSPENSORY	-44.585	0.435		
HOL	FORE ATTACHMENT	DEU	FORE UDDER	-43.885	0.421		
HOL	FRONT TEAT PLACEMENT	DEU	FRONT TEAT PLACEMENT	-42.700	0.423		
HOL	TEAT LENGTH	DEU	TEAT LENGTH	-44.401	0.433		
HOL	REAR ATTACHMENT HEIGHT	DEU	REAR UDDER HEIGHT	-48.322	0.463		
HOL	REAR TEAT PLACEMENT	DEU	REAR TEAT PLACEMENT	-49.011	0.489		
HOL	ANGULARITY	DEU	ANGULARITY	-44.089	0.426		

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Conversion Factors For Type. Source = INTERBULL MACE 1108  
 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	
HOL	CONFORMATION	DFS	OVERALL CONFORMATION	-40.527	0.346	0.56
HOL	FEET AND LEGS	DFS	OVERALL FEET & LEG	-40.054	0.402	
HOL	MAMMARY SYSTEM	DFS	OVERALL UDDER SCORE	-39.765	0.374	
HOL	STATURE	DFS	STATURE	-49.846	0.452	
HOL	CHEST WIDTH	DFS	CHEST WIDTH	-48.612	0.461	
HOL	BODY DEPTH	DFS	BODY DEPTH	-51.284	0.475	
HOL	PIN WIDTH	DFS	RUMP WIDTH	-45.231	0.426	
HOL	RUMP ANGLE	DFS	RUMP ANGLE	-47.657	0.485	
HOL	FOOT ANGLE	DFS	FOOT ANGLE	-41.637	0.416	
HOL	REAR LEGS SIDE VIEW	DFS	REAR LEG SET	-45.982	0.453	
HOL	REAR LEG REAR VIEW	DFS	REAR LEG REAR VIEW	-43.234	0.430	
HOL	UDDER DEPTH	DFS	UDDER DEPTH	-47.050	0.461	
HOL	MEDIAN SUSPENSORY	DFS	MEDIAN SUSPENSORY	-41.416	0.391	
HOL	FORE ATTACHMENT	DFS	FORE UDDER	-45.909	0.436	
HOL	FRONT TEAT PLACEMENT	DFS	FRONT TEAT PLACEMENT	-48.513	0.479	
HOL	TEAT LENGTH	DFS	TEAT LENGTH	-53.600	0.527	
HOL	REAR ATTACHMENT HEIGHT	DFS	REAR UDDER HEIGHT	-43.070	0.401	
HOL	REAR TEAT PLACEMENT	DFS	REAR TEAT PLACEMENT	-52.838	0.515	
HOL	ANGULARITY	DFS	DAIRY FORM	-50.395	0.457	

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Conversion Factors For Type. Source = INTERBULL MACE 1108  
 Converted Canadian Proof = A + (B\* Foreign Proof)  
 Converted Proof Reliability = TCORR2\*Foreign Reliability

country2=ESP

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	
HOL	CONFORMATION	ESP	FINAL CLASS	-1.990	5.167	0.67
HOL	FEET AND LEGS	ESP	OVERALL FEET & LEG	-0.368	5.136	
HOL	MAMMARY SYSTEM	ESP	OVERALL UDDER SCORE	-1.333	4.635	
HOL	STATURE	ESP	STATURE	-2.621	5.445	
HOL	CHEST WIDTH	ESP	CHEST WIDTH	-0.345	5.035	
HOL	BODY DEPTH	ESP	BODY DEPTH	-1.502	4.787	
HOL	PIN WIDTH	ESP	PIN WIDTH	-0.360	4.992	
HOL	RUMP ANGLE	ESP	RUMP ANGLE	0.219	4.990	
HOL	FOOT ANGLE	ESP	FOOT ANGLE	0.117	5.022	
HOL	REAR LEGS SIDE VIEW	ESP	REAR LEG SET	-1.249	4.991	
HOL	REAR LEG REAR VIEW	ESP	REAR LEG REAR VIEW	0.441	4.775	
HOL	UDDER DEPTH	ESP	UDDER DEPTH	-1.212	4.784	
HOL	MEDIAN SUSPENSORY	ESP	MEDIAN SUSPENSORY	-1.119	5.530	
HOL	FORE ATTACHMENT	ESP	FORE UDDER	-1.822	5.092	

HOL	FRONT TEAT PLACEMENT	ESP	FRONT TEAT PLACEMENT	-0.454	5.161
HOL	TEAT LENGTH	ESP	TEAT LENGTH	-0.366	4.901
HOL	REAR ATTACHMENT HEIGHT	ESP	REAR UDDER HEIGHT	-2.223	5.149
HOL	REAR TEAT PLACEMENT	ESP	REAR TEAT PLACEMENT	-1.055	5.723
HOL	ANGULARITY	ESP	ANGULARITY	-2.214	5.823

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Conversion Factors For Type. Source = INTERBULL MACE 1108  
 Converted Canadian Proof = A + (B\* Foreign Proof)  
 Converted Proof Reliability = TCORR2\*Foreign Reliability

country2=EST

	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
HOL	CONFORMATION	EST	OVERALL CONFORMATION	-35.641	0.312	0.58		
HOL	FEET AND LEGS	EST	OVERALL FEET & LEG	-25.184	0.243			
HOL	MAMMARY SYSTEM	EST	OVERALL UDDER SCORE	-37.027	0.331			
HOL	STATURE	EST	STATURE	-45.601	0.411			
HOL	CHEST WIDTH	EST	CHEST WIDTH	-40.431	0.397			
HOL	BODY DEPTH	EST	BODY DEPTH	-41.420	0.389			
HOL	PIN WIDTH	EST	RUMP WIDTH	-38.414	0.356			
HOL	RUMP ANGLE	EST	RUMP ANGLE	-42.117	0.431			
HOL	FOOT ANGLE	EST	FOOT ANGLE	-33.437	0.331			
HOL	REAR LEGS SIDE VIEW	EST	REAR LEG SET	-39.970	0.398			
HOL	REAR LEG REAR VIEW	EST	REAR LEG REAR VIEW	-29.738	0.302			
HOL	UDDER DEPTH	EST	UDDER DEPTH	-42.279	0.394			
HOL	MEDIAN SUSPENSORY	EST	MEDIAN SUSPENSORY	-31.361	0.297			
HOL	FORE ATTACHMENT	EST	FORE UDDER	-33.095	0.303			
HOL	FRONT TEAT PLACEMENT	EST	FRONT TEAT PLACEMENT	-41.924	0.400			
HOL	TEAT LENGTH	EST	TEAT LENGTH	-38.156	0.376			
HOL	REAR ATTACHMENT HEIGHT	EST	REAR UDDER HEIGHT	-32.474	0.289			
HOL	REAR TEAT PLACEMENT	EST	REAR TEAT PLACEMENT	-43.001	0.409			
HOL	ANGULARITY	EST	ANGULARITY	-19.340	0.160			

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Conversion Factors For Type. Source = INTERBULL MACE 1108  
 Converted Canadian Proof = A + (B\* Foreign Proof)  
 Converted Proof Reliability = TCORR2\*Foreign Reliability

country2=FRA

	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

HOL	CONFORMATION	FRA	OVERALL SCORE	-4.433	3.889	0.66
HOL	FEET AND LEGS	FRA	OVERALL FEET & LEG	-2.887	3.704	
HOL	MAMMARY SYSTEM	FRA	OVERALL UDDER SCORE	-3.051	4.393	
HOL	STATURE	FRA	STATURE	-2.923	4.813	
HOL	CHEST WIDTH	FRA	CHEST DEPTH	-0.381	4.805	
HOL	BODY DEPTH	FRA	BODY DEPTH	-2.233	3.416	
HOL	PIN WIDTH	FRA	RUMP WIDTH	-1.774	4.665	
HOL	RUMP ANGLE	FRA	RUMP ANGLE	1.459	5.212	
HOL	FOOT ANGLE	FRA	HEEL DEPTH	-1.441	4.646	
HOL	REAR LEGS SIDE VIEW	FRA	REAR LEG SET	0.711	4.739	
HOL	REAR LEG REAR VIEW	FRA	REAR LEG REAR VIEW	-1.251	4.721	
HOL	UDDER DEPTH	FRA	UDDER DEPTH	-2.592	4.905	
HOL	MEDIAN SUSPENSORY	FRA	MEDIAN SUSPENSORY	-2.409	4.049	
HOL	FORE ATTACHMENT	FRA	FORE UDDER	-3.238	4.755	
HOL	FRONT TEAT PLACEMENT	FRA	FRONT TEAT PLACEMENT	-1.467	4.760	
HOL	TEAT LENGTH	FRA	TEAT LENGTH	0.141	5.409	
HOL	REAR ATTACHMENT HEIGHT	FRA	REAR UDDER HEIGHT	-3.764	4.786	
HOL	REAR TEAT PLACEMENT	FRA	REAR TEAT PLACEMENT	-1.588	5.432	
HOL	ANGULARITY	FRA	ANGULARITY	-3.014	4.885	

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Conversion Factors For Type. Source = INTERBULL MACE 1108  
 Converted Canadian Proof = A + (B\* Foreign Proof)  
 Converted Proof Reliability = TCORR2\*Foreign Reliability

country2=FRR

c	a	n	b	r	e	e	d	c	o	u	n	t	r	a	y	2	f	o	u	r	a	i	t	a	b	v	v	a	l	u	e	t	c	o	r	r	2		
HOL	CONFORMATION	FRR	CONFORMATION	-50.731	0.419	0.49																																	
HOL	MAMMARY SYSTEM	FRR	OVERALL UDDER SCORE	-54.663	0.476																																		
HOL	STATURE	FRR	STATURE	-47.159	0.394																																		
HOL	CHEST WIDTH	FRR	CHEST WIDTH	-86.244	0.855																																		
HOL	BODY DEPTH	FRR	BODY DEPTH	-46.176	0.432																																		
HOL	PIN WIDTH	FRR	RUMP WIDTH	-40.665	0.370																																		
HOL	RUMP ANGLE	FRR	RUMP ANGLE	-44.422	0.475																																		
HOL	FOOT ANGLE	FRR	FOOT ANGLE	-44.468	0.416																																		
HOL	REAR LEGS SIDE VIEW	FRR	REAR LEG SET	-40.360	0.396																																		
HOL	REAR LEG REAR VIEW	FRR	REAR LEG REAR VIEW	-40.686	0.385																																		
HOL	UDDER DEPTH	FRR	UDDER DEPTH	-60.827	0.566																																		
HOL	MEDIAN SUSPENSORY	FRR	MEDIAN SUSPENSORY	-50.368	0.425																																		
HOL	FORE ATTACHMENT	FRR	FORE UDDER	-42.877	0.370																																		
HOL	TEAT PLACEMENT	FRR	FRONT TEAT PLACEMENT	-60.782	0.558																																		
HOL	TEAT LENGTH	FRR	TEAT LENGTH	-44.241	0.424																																		
HOL	REAR ATTACHMENT HEIGHT	FRR	REAR UDDER HEIGHT	-61.787	0.547																																		
HOL	REAR TEAT PLACEMENT	FRR	REAR TEAT PLACEMENT	-60.307	0.525																																		
HOL	ANGULARITY	FRR	ANGULARITY	-52.719	0.441																																		

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Conversion Factors For Type. Source = INTERBULL MACE 1108  
 Converted Canadian Proof = A + (B\* Foreign Proof)



Converted Proof Reliability = TCORR2\*Foreign Reliability

country2=GBR

c	c	f				
a	o	o		a	b	t
n	u	r		v	v	c
b	n	t		a	a	o
r	t	r		l	l	r
e	r	a		u	u	r
e	y	i		e	e	2
d	2	t				
HOL	CONFORMATION	GBR	TOTAL SCORE	-2.367	5.053	0.74
HOL	FEET AND LEGS	GBR	OVERALL FEET & LEG	-1.132	4.270	
HOL	MAMMARY SYSTEM	GBR	OVERALL UDDER SCORE	-1.750	4.336	
HOL	STATURE	GBR	STATURE	-2.390	4.433	
HOL	CHEST WIDTH	GBR	CHEST WIDTH	-0.911	4.193	
HOL	BODY DEPTH	GBR	BODY DEPTH	-1.534	4.114	
HOL	PIN WIDTH	GBR	RUMP WIDTH	-1.728	4.325	
HOL	RUMP ANGLE	GBR	RUMP ANGLE	0.343	4.281	
HOL	FOOT ANGLE	GBR	FOOT ANGLE	-0.372	3.926	
HOL	REAR LEGS SIDE VIEW	GBR	REAR LEG SET	0.654	3.745	
HOL	REAR LEG REAR VIEW	GBR	REAR LEG REAR VIEW	-0.498	3.159	
HOL	UDDER DEPTH	GBR	UDDER DEPTH	-1.032	4.569	
HOL	MEDIAN SUSPENSORY	GBR	MEDIAN SUSPENSORY	-1.576	4.215	
HOL	FORE ATTACHMENT	GBR	FORE UDDER	-1.429	4.516	
HOL	TEAT PLACEMENT	GBR	FRONT TEAT PLACEMENT	-0.649	4.262	
HOL	TEAT LENGTH	GBR	TEAT LENGTH	-0.880	4.188	
HOL	REAR ATTACHMENT HEIGHT	GBR	REAR UDDER HEIGHT	-2.382	3.969	
HOL	REAR TEAT PLACEMENT	GBR	REAR TEAT PLACEMENT	-0.404	4.288	
HOL	ANGULARITY	GBR	ANGULARITY	-1.818	4.407	

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Conversion Factors For Type. Source = INTERBULL MACE 1108

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

Converted Proof Reliability = TCORR2\*Foreign Reliability

country2=HUN

c	c	f				
a	o	o		a	b	t
n	u	r		v	v	c
b	n	t		a	a	o
r	t	r		l	l	r
e	r	a		u	u	r
e	y	i		e	e	2
d	2	t				
HOL	CONFORMATION	HUN	OVERALL CONFORMATION	-3.653	4.228	0.69
HOL	FEET AND LEGS	HUN	OVERALL FEET & LEG	-0.943	3.457	
HOL	MAMMARY SYSTEM	HUN	OVERALL UDDER SCORE	-1.759	4.040	
HOL	STATURE	HUN	STATURE	-4.741	5.148	
HOL	CHEST WIDTH	HUN	CHEST WIDTH	-1.039	4.844	
HOL	BODY DEPTH	HUN	BODY DEPTH	-2.547	3.940	
HOL	PIN WIDTH	HUN	RUMP WIDTH	-2.536	4.367	
HOL	RUMP ANGLE	HUN	RUMP ANGLE	0.558	5.619	
HOL	FOOT ANGLE	HUN	FOOT ANGLE	0.794	5.120	
HOL	REAR LEGS SIDE VIEW	HUN	REAR LEG SET	-0.841	5.683	

HOL	REAR LEG REAR VIEW	HUN	REAR LEG REAR VIEW	0.039	4.522
HOL	UDDER DEPTH	HUN	UDDER DEPTH	-2.132	4.979
HOL	MEDIAN SUSPENSORY	HUN	MEDIAN SUSPENSORY	-1.293	4.662
HOL	FORE ATTACHMENT	HUN	FORE UDDER	-1.335	4.951
HOL	FRONT TEAT PLACEMENT	HUN	FRONT TEAT PLACEMENT	-1.037	5.293
HOL	TEAT LENGTH	HUN	TEAT LENGTH	0.470	5.487
HOL	REAR ATTACHMENT HEIGHT	HUN	REAR UDDER HEIGHT	-3.451	4.915
HOL	ANGULARITY	HUN	ANGULARITY	-3.788	4.948

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Conversion Factors For Type. Source = INTERBULL MACE 1108  
 Converted Canadian Proof = A + (B\* Foreign Proof)  
 Converted Proof Reliability = TCORR2\*Foreign Reliability

country2=ITA

	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

  

HOL	CONFORMATION	ITA	FINAL SCORE	-4.425	5.489	0.74
HOL	FEET AND LEGS	ITA	OVERALL FEET & LEG	-1.936	3.105	
HOL	MAMMARY SYSTEM	ITA	OVERALL UDDER SCORE	-3.420	4.567	
HOL	STATURE	ITA	STATURE	-4.485	4.200	
HOL	CHEST WIDTH	ITA	STRENGTH	-1.821	3.706	
HOL	BODY DEPTH	ITA	BODY DEPTH	-2.849	3.388	
HOL	PIN WIDTH	ITA	RUMP WIDTH	-3.172	3.830	
HOL	RUMP ANGLE	ITA	RUMP ANGLE	0.282	3.756	
HOL	FOOT ANGLE	ITA	FOOT ANGLE	-1.481	3.103	
HOL	REAR LEGS SIDE VIEW	ITA	REAR LEG SET	-0.668	3.649	
HOL	REAR LEG REAR VIEW	ITA	REAR LEG REAR VIEW	-0.929	2.650	
HOL	UDDER DEPTH	ITA	UDDER DEPTH	-2.517	3.660	
HOL	MEDIAN SUSPENSORY	ITA	MEDIAN SUSPENSORY	-2.025	3.342	
HOL	FORE ATTACHMENT	ITA	FORE UDDER	-3.253	3.382	
HOL	FRONT TEAT PLACEMENT	ITA	FRONT TEAT PLACEMENT	-1.955	3.533	
HOL	TEAT LENGTH	ITA	TEAT LENGTH	-1.269	3.958	
HOL	REAR ATTACHMENT HEIGHT	ITA	REAR UDDER HEIGHT	-3.686	3.201	
HOL	REAR TEAT PLACEMENT	ITA	REAR TEAT PLACEMENT	-0.801	3.201	
HOL	ANGULARITY	ITA	ANGULARITY	-4.091	3.852	

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Conversion Factors For Type. Source = INTERBULL MACE 1108  
 Converted Canadian Proof = A + (B\* Foreign Proof)  
 Converted Proof Reliability = TCORR2\*Foreign Reliability

country2=JPN

	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 d	i t	y 2	i t	u e	u e	r 2
HOL	CONFORMATION	JPN	OVERALL CONFORMATION	-3.467	7.149	0.77
HOL	FEET AND LEGS	JPN	OVERALL FEET & LEG	-1.098	8.349	
HOL	MAMMARY SYSTEM	JPN	OVERALL UDDER SCORE	-2.578	7.220	
HOL	STATURE	JPN	STATURE	-3.086	4.352	
HOL	CHEST WIDTH	JPN	CHEST WIDTH	-1.821	3.756	
HOL	BODY DEPTH	JPN	BODY DEPTH	-2.388	3.103	
HOL	PIN WIDTH	JPN	RUMP WIDTH	-1.887	3.917	
HOL	RUMP ANGLE	JPN	RUMP ANGLE	-0.013	3.895	
HOL	FOOT ANGLE	JPN	FOOT ANGLE	-0.251	2.290	
HOL	REAR LEGS SIDE VIEW	JPN	REAR LEG SET	0.485	3.620	
HOL	REAR LEG REAR VIEW	JPN	REAR LEG REAR VIEW	-0.223	3.003	
HOL	UDDER DEPTH	JPN	UDDER DEPTH	-1.978	4.082	
HOL	MEDIAN SUSPENSORY	JPN	MEDIAN SUSPENSORY	-0.329	2.356	
HOL	FORE ATTACHMENT	JPN	FORE UDDER	-2.206	3.357	
HOL	FRONT TEAT PLACEMENT	JPN	FRONT TEAT PLACEMENT	-1.139	3.777	
HOL	TEAT LENGTH	JPN	TEAT LENGTH	-0.073	3.766	
HOL	REAR ATTACHMENT HEIGHT	JPN	REAR UDDER HEIGHT	-2.507	3.599	
HOL	REAR TEAT PLACEMENT	JPN	REAR TEAT PLACEMENT	-1.060	3.641	
HOL	ANGULARITY	JPN	ANGULARITY	-2.448	3.543	

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Conversion Factors For Type. Source = INTERBULL MACE 1108  
 Converted Canadian Proof = A + (B\* Foreign Proof)  
 Converted Proof Reliability = TCORR2\*Foreign Reliability

country2=NLD

c b r e e d	a t r a i t	c n t r y 2	f o r e i t	a v a l u e	b v a l u e	t c o r r e l i a b i l i t y
HOL	CONFORMATION	NLD	OVERALL CONFORMATION	-124.933	1.212	0.61
HOL	FEET AND LEGS	NLD	OVERALL FEET & LEG	-91.722	0.912	
HOL	MAMMARY SYSTEM	NLD	OVERALL UDDER SCORE	-102.431	0.987	
HOL	STATURE	NLD	STATURE	-115.097	1.108	
HOL	CHEST WIDTH	NLD	CHEST WIDTH	-120.467	1.191	
HOL	BODY DEPTH	NLD	BODY DEPTH	-104.682	1.012	
HOL	PIN WIDTH	NLD	PIN WIDTH	-118.518	1.153	
HOL	RUMP ANGLE	NLD	RUMP ANGLE	-115.080	1.181	
HOL	FOOT ANGLE	NLD	CLAW DIAGONAL	-104.036	1.037	
HOL	REAR LEGS SIDE VIEW	NLD	REAR LEG SET	-112.391	1.114	
HOL	REAR LEG REAR VIEW	NLD	REAR LEG REAR VIEW	-110.881	1.113	
HOL	UDDER DEPTH	NLD	UDDER DEPTH	-110.132	1.072	
HOL	MEDIAN SUSPENSORY	NLD	MEDIAN SUSPENSORY	-112.768	1.092	
HOL	FORE ATTACHMENT	NLD	FORE UDDER	-112.550	1.097	
HOL	FRONT TEAT PLACEMENT	NLD	FRONT TEAT PLACEMENT	-118.222	1.167	
HOL	TEAT LENGTH	NLD	TEAT LENGTH	-113.598	1.138	
HOL	REAR ATTACHMENT HEIGHT	NLD	REAR UDDER HEIGHT	-95.274	0.917	
HOL	REAR TEAT PLACEMENT	NLD	REAR TEAT PLACEMENT	-120.732	1.190	
HOL	ANGULARITY	NLD	ANGULARITY	-104.397	1.001	

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Conversion Factors For Type. Source = INTERBULL MACE 1108  
 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
HOL	CONFORMATION	NZL	OVERALL CONFORMATION	-13.224	11.523	0.45		
HOL	MAMMARY SYSTEM	NZL	OVERALL UDDER SCORE	-9.585	9.984			
HOL	STATURE	NZL	STATURE	-21.497	10.115			
HOL	CHEST WIDTH	NZL	CHEST WIDTH	-2.525	12.179			
HOL	BODY DEPTH	NZL	BODY DEPTH	-4.505	10.450			
HOL	PIN WIDTH	NZL	RUMP WIDTH	-11.996	16.062			
HOL	RUMP ANGLE	NZL	RUMP ANGLE	0.679	16.834			
HOL	REAR LEGS SIDE VIEW	NZL	REAR LEG SET	2.109	24.418			
HOL	MEDIAN SUSPENSORY	NZL	MEDIAN SUSPENSORY	-10.085	8.979			
HOL	FORE ATTACHMENT	NZL	FORE UDDER	-7.165	11.860			
HOL	FRONT TEAT PLACEMENT	NZL	FRONT TEAT PLACEMENT	-6.702	16.833			
HOL	REAR ATTACHMENT HEIGHT	NZL	REAR UDDER HEIGHT	-9.388	11.687			
HOL	REAR TEAT PLACEMENT	NZL	REAR TEAT PLACEMENT	-9.365	12.285			

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Conversion Factors For Type. Source = INTERBULL MACE 1108  
 Converted Canadian Proof = A + (B\* Foreign Proof)  
 Converted Proof Reliability = TCORR2\*Foreign Reliability

country2=POL

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
HOL	CONFORMATION	POL	OVERALL CONFORMATION	-61.439	0.536	0.34		
HOL	FEET AND LEGS	POL	OVERALL FEET & LEG	-44.750	0.405			
HOL	MAMMARY SYSTEM	POL	OVERALL UDDER SCORE	-51.805	0.454			
HOL	STATURE	POL	STATURE	-74.454	0.661			
HOL	CHEST WIDTH	POL	CHEST WIDTH	-42.207	0.407			
HOL	BODY DEPTH	POL	BODY DEPTH	-40.345	0.377			
HOL	PIN WIDTH	POL	RUMP WIDTH	-47.089	0.437			
HOL	RUMP ANGLE	POL	RUMP ANGLE	-46.504	0.467			
HOL	FOOT ANGLE	POL	FOOT ANGLE	-42.017	0.396			
HOL	REAR LEGS SIDE VIEW	POL	REAR LEG SET	-40.941	0.409			
HOL	REAR LEG REAR VIEW	POL	REAR LEG REAR VIEW	-34.077	0.329			
HOL	UDDER DEPTH	POL	UDDER DEPTH	-55.200	0.504			

HOL	MEDIAN SUSPENSORY	POL	MEDIAN SUSPENSORY	-50.356	0.455
HOL	FORE ATTACHMENT	POL	FORE UDDER	-46.364	0.419
HOL	FRONT TEAT PLACEMENT	POL	FRONT TEAT PLACEMENT	-56.626	0.527
HOL	TEAT LENGTH	POL	TEAT LENGTH	-44.048	0.445
HOL	REAR ATTACHMENT HEIGHT	POL	REAR UDDER HEIGHT	-56.151	0.496
HOL	REAR TEAT PLACEMENT	POL	REAR TEAT PLACEMENT	-52.621	0.508
HOL	ANGULARITY	POL	ANGULARITY	-72.938	0.651

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Conversion Factors For Type. Source = INTERBULL MACE 1108  
 Converted Canadian Proof = A + (B\* Foreign Proof)  
 Converted Proof Reliability = TCORR2\*Foreign Reliability

country2=USA

	c		c	f				
	a		o	o		a	b	t
	n		u	r		v	v	c
b	t		n	t		a	a	o
r	r		t	r		l	l	r
e	a		r	a		u	u	r
e	i		y	i		e	e	r
d	t		2	t				2
HOL	CONFORMATION	USA	PTA TYPE (FINAL SCORE)	-2.823	5.331	0.77		
HOL	FEET AND LEGS	USA	FEET & LEGS SCORE	-1.574	3.483			
HOL	MAMMARY SYSTEM	USA	UDDER COMPOSITE	-0.802	4.662			
HOL	STATURE	USA	STATURE	-2.544	4.144			
HOL	CHEST WIDTH	USA	STRENGTH	-1.139	4.105			
HOL	BODY DEPTH	USA	BODY DEPTH	-2.297	3.441			
HOL	PIN WIDTH	USA	THURL WIDTH	-1.262	3.873			
HOL	RUMP ANGLE	USA	RUMP ANGLE	-0.303	3.972			
HOL	FOOT ANGLE	USA	FOOT ANGLE	-0.857	3.459			
HOL	REAR LEGS SIDE VIEW	USA	REAR LEGS - SIDE VIEW	-0.081	3.754			
HOL	REAR LEG REAR VIEW	USA	REAR LEGS - REAR VIEW	-0.864	3.062			
HOL	UDDER DEPTH	USA	UDDER DEPTH	-0.849	3.704			
HOL	MEDIAN SUSPENSORY	USA	UDDER CLEFT	-0.595	3.480			
HOL	FORE ATTACHMENT	USA	FORE ATTACHMENT	-1.356	3.675			
HOL	FRONT TEAT PLACEMENT	USA	FRONT TEAT PLACEMENT	-0.256	3.786			
HOL	TEAT LENGTH	USA	TEAT LENGTH	-0.807	3.831			
HOL	REAR ATTACHMENT HEIGHT	USA	REAR UDDER HEIGHT	-2.374	3.317			
HOL	REAR TEAT PLACEMENT	USA	REAR TEAT PLACEMENT	-0.768	3.383			
HOL	ANGULARITY	USA	DAIRY FORM	-2.889	4.082			

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Conversion Factors For Type. Source = INTERBULL MACE 1108  
 Converted Canadian Proof = A + (B\* Foreign Proof)  
 Converted Proof Reliability = TCORR2\*Foreign Reliability

country2=ZAF

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

HOL	STATURE	ZAF	STATURE	-4.390	11.129
HOL	CHEST WIDTH	ZAF	CHEST WIDTH	-0.310	17.263
HOL	BODY DEPTH	ZAF	BODY DEPTH	-2.742	15.568
HOL	PIN WIDTH	ZAF	RUMP WIDTH	-2.007	16.815
HOL	RUMP ANGLE	ZAF	RUMP ANGLE	0.372	13.010
HOL	FOOT ANGLE	ZAF	FOOT ANGLE	-0.877	18.365
HOL	REAR LEGS SIDE VIEW	ZAF	REAR LEG SET	0.119	23.927
HOL	REAR LEG REAR VIEW	ZAF	REAR LEG REAR VIEW	-0.365	16.068
HOL	UDDER DEPTH	ZAF	UDDER DEPTH	-2.484	13.920
HOL	MEDIAN SUSPENSORY	ZAF	MEDIAN SUSPENSORY	-1.298	15.630
HOL	FORE ATTACHMENT	ZAF	FORE UDDER	-1.716	14.082
HOL	TEAT PLACEMENT	ZAF	FRONT TEAT PLACEMENT	-0.727	15.356
HOL	TEAT LENGTH	ZAF	TEAT LENGTH	-0.233	9.974
HOL	REAR ATTACHMENT HEIGHT	ZAF	REAR UDDER HEIGHT	-3.948	16.744
HOL	ANGULARITY	ZAF	ANGULARITY	-3.088	13.121

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CALCULATION OF FAT% AND PROTEIN% FOR AUGUST 2011

BREED	BMILK	BFAT	BPRT
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AYS	7318	295	246
BSW	8019	328	279
CN	5308	229	189
GUE	6943	311	237
JER	6274	307	240
HOL	9607	359	308
MS	6366	226	209

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

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

EXAMPLE :

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

$$EBVFAT\% = 200 * [ (359 + 50 * .5) / (9607 + 1000 * .5) - (359 / 9607) ]$$

$$= 200 * [ (359 + 25) / (9607 + 500) - (0.03737) ]$$

$$= 200 * [ 0.03799 - 0.03737 ]$$

$$= 200 * 0.00062$$

$$= 0.12$$

$$EBVPROT\% = 200 * [ (308 + 40 * .5) / (9607 + 1000 * .5) - (308 / 9607) ]$$

$$= 200 * [ (308 + 20) / (9607 + 500) - (0.03206) ]$$

$$= 200 * [ 0.03245 - 0.03206 ]$$

$$= 200 * 0.00039$$

$$= 0.08$$