

-----

Conversion Factors For Production Traits. Source: INTERBULL 1208

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

Converted Proof Reliability = PCORR2\*Foreign Reliability

breed	country2	amilk	bmilk	afat	bfat	aprot	bprot	pcorr2
HOL	AUS	-357.28	1.446	7.427	1.328	1.595	1.602	0.5776
HOL	BEL	-519.06	1.475	-8.698	1.334	-5.603	1.387	0.7225
HOL	CHE	-510.10	1.352	-0.751	1.310	-6.515	1.300	0.8281
HOL	CHR	-1302.37	1.310	-16.976	1.235	-26.227	1.298	0.7396
HOL	CZE	82.52	1.385	4.006	1.267	10.051	1.253	0.7225
HOL	DEU	-279.78	1.264	6.462	1.204	1.448	1.225	0.7921
HOL	DFS	-6428.00	68.462	-230.782	2.571	-169.827	1.958	0.8464
HOL	ESP	54.99	1.433	3.695	1.347	5.310	1.362	0.7921
HOL	EST	-533.52	1.166	0.556	1.174	-4.252	1.099	0.7396
HOL	FRA	365.52	1.128	16.760	1.068	22.999	1.114	0.8281
HOL	FRR	-1031.09	1.038	-7.081	1.099	-11.940	0.970	0.7569
HOL	GBR	-87.57	2.630	7.034	2.695	2.579	2.875	0.7569
HOL	HUN	26.68	1.140	1.226	1.220	4.225	1.065	0.7396
HOL	IRL	-1228.12	4.463	-25.436	4.504	-25.470	4.468	0.5776
HOL	ISR	20.98	1.960	23.785	1.900	10.667	2.204	0.6400
HOL	ITA	132.99	1.252	4.667	1.198	8.294	1.124	0.8100
HOL	JPN	396.94	0.934	12.540	1.031	12.788	0.956	0.7396
HOL	KOR	168.63	1.576	0.685	1.413	4.470	1.781	0.7225
HOL	LTU	-1394.46	2.059	-17.263	1.718	-26.473	1.667	0.7396
HOL	LVA	-917.73	2.034	-3.250	1.443	-13.965	1.890	0.7225
HOL	NLD	157.58	1.186	25.308	1.136	23.247	1.174	0.8281
HOL	NZL	-2208.49	2.305	-14.238	1.779	-36.516	2.044	0.5625
HOL	POL	-359.45	1.920	1.213	1.760	-3.104	1.992	0.7225
HOL	PRT	-284.05	1.316	-4.053	1.200	0.586	1.106	0.7225
HOL	SVK	-102.85	1.919	-5.050	1.947	3.733	1.960	0.7225
HOL	SVN	-523.70	3.574	-10.137	3.472	-12.205	3.541	0.7396
HOL	USA	390.40	1.028	7.268	1.066	11.495	1.091	0.8464
HOL	ZAF	-205.88	1.786	-2.450	1.638	-2.199	1.706	0.7225

-----

Conversion Factors For SCS Traits. Source: INTERBULL 1208

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

Converted Proof Reliability = SCORR2\*Foreign Reliability

breed	country2	a	b	scorr2
HOL	AUS	3.823	-0.007	0.6889
HOL	BEL	1.495	0.500	0.8281
HOL	CHE	5.061	-0.021	0.8281
HOL	CHR	5.108	-0.021	0.7225
HOL	CZE	4.556	-0.015	0.7225
HOL	DEU	2.969	0.509	0.8281
HOL	DFS	5.028	-0.021	0.8464
HOL	ESP	5.184	-0.021	0.8464
HOL	EST	4.843	-0.018	0.7569
HOL	FRA	2.997	-0.207	0.8649
HOL	FRR	2.968	-0.212	0.8464
HOL	GBR	2.994	0.019	0.8649
HOL	HUN	2.949	0.188	0.7921
HOL	IRL	2.954	2.149	0.7744

HOL	ISR	2.907	0.970	0.7225
HOL	ITA	7.124	-0.041	0.8281
HOL	JPN	1.738	0.556	0.7569
HOL	LTU	2.920	0.652	0.7396
HOL	LVA	3.041	0.488	0.7396
HOL	NLD	8.242	-0.051	0.8464
HOL	NZL	3.042	0.523	0.6241
HOL	POL	5.101	-0.021	0.8100
HOL	PRT	3.014	0.441	0.7225
HOL	SVK	1.169	0.605	0.7225
HOL	USA	-0.262	1.089	0.9025
HOL	ZAF	2.993	0.091	0.7921

-----

Conversion Factors For Type. Source = INTERBULL MACE 1208  
 Converted Canadian Proof = A + (B\* Foreign Proof)  
 Converted Proof Reliability = TCORR2\*Foreign Reliability

country2=AUS

c	c	f			
a	o	o			
n	u	r		a	b
b	n	t		v	v
r	t	r		a	a
e	r	a		l	l
e	y	i		u	u
d	2	t		e	e
t					t
					c
					o
					r
					r
					2
HOL CONFORMATION	AUS GENERAL APPEARANCE	-66.108	0.5925	0.29	
HOL FEET AND LEGS	AUS OVERALL FEET & LEG	-35.149	0.2991		
HOL MAMMARY SYSTEM	AUS OVERALL UDDER SCORE	-68.128	0.6274		
HOL STATURE	AUS STATURE	-51.152	0.4512		
HOL CHEST WIDTH	AUS CHEST WIDTH	-49.904	0.4956		
HOL BODY DEPTH	AUS BODY DEPTH	-54.574	0.5422		
HOL PIN WIDTH	AUS PIN WIDTH	-57.627	0.5485		
HOL RUMP ANGLE	AUS RUMP ANGLE	-45.097	0.4631		
HOL FOOT ANGLE	AUS FOOT ANGLE	-64.997	0.6168		
HOL REAR LEGS SIDE VIEW	AUS REAR LEG SET	-79.319	0.7990		
HOL REAR LEG REAR VIEW	AUS REAR LEG REAR VIEW	-60.601	0.5775		
HOL UDDER DEPTH	AUS UDDER DEPTH	-50.253	0.4618		
HOL MEDIAN SUSPENSORY	AUS MEDIAN SUSPENSORY	-66.521	0.6186		
HOL FORE ATTACHMENT	AUS FORE UDDER	-67.022	0.6296		
HOL FRONT TEAT PLACEMENT	AUS FRONT TEAT PLACEMENT	-50.963	0.4920		
HOL TEAT LENGTH	AUS TEAT LENGTH	-36.475	0.3579		
HOL REAR ATTACHMENT HEIGHT	AUS REAR UDDER HEIGHT	-65.007	0.6010		
HOL REAR TEAT PLACEMENT	AUS REAR TEAT PLACEMENT	-58.150	0.5690		
HOL ANGULARITY	AUS ANGULARITY	-61.074	0.5577		

-----

Conversion Factors For Type. Source = INTERBULL MACE 1208  
 Converted Canadian Proof = A + (B\* Foreign Proof)  
 Converted Proof Reliability = TCORR2\*Foreign Reliability

country2=BEL

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	BEL CONFORMATION	-4.172	3.2766	0.52
HOL FEET AND LEGS	BEL OVERALL FEET & LEG	-1.187	2.6989	
HOL MAMMARY SYSTEM	BEL OVERALL UDDER SCORE	-3.449	3.2798	
HOL STATURE	BEL STATURE	-3.597	4.7196	
HOL CHEST WIDTH	BEL CHEST WIDTH	-0.472	3.3507	
HOL BODY DEPTH	BEL BODY DEPTH	-1.306	3.5174	
HOL PIN WIDTH	BEL RUMP WIDTH	-1.503	3.7772	
HOL RUMP ANGLE	BEL RUMP ANGLE	0.884	3.6729	
HOL FOOT ANGLE	BEL FOOT ANGLE	-0.611	2.6801	
HOL REAR LEGS SIDE VIEW	BEL REAR LEG SET	-0.877	3.2040	
HOL REAR LEG REAR VIEW	BEL REAR LEG REAR VIEW	0.066	2.8027	
HOL UDDER DEPTH	BEL UDDER DEPTH	-2.080	4.0980	
HOL MEDIAN SUSPENSORY	BEL MEDIAN SUSPENSORY	-2.951	2.8764	
HOL FORE ATTACHMENT	BEL FORE UDDER	-3.289	3.0418	
HOL TEAT PLACEMENT	BEL FRONT TEAT PLACEMENT	-1.630	3.8871	
HOL TEAT LENGTH	BEL TEAT LENGTH	0.063	3.5482	
HOL REAR ATTACHMENT HEIGHT	BEL REAR UDDER HEIGHT	-3.555	4.0759	
HOL REAR TEAT PLACEMENT	BEL REAR TEAT PLACEMENT	-2.188	4.3406	
HOL ANGULARITY	BEL ANGULARITY	-4.177	4.6323	

-----

Conversion Factors For Type. Source = INTERBULL MACE 1208  
 Converted Canadian Proof = A + (B\* Foreign Proof)  
 Converted Proof Reliability = TCORR2\*Foreign Reliability

country2=CHE

c	c f	a	b	t
a	o o	v	v	c
n	u r	a	a	o
b t	n t	l	l	r
r r	t r	u	u	r
e a	r a	e	e	2
e i	y i			
d t	2 t			
HOL CONFORMATION	CHE FINAL SCORE	-40.405	0.3864	0.79
HOL FEET AND LEGS	CHE OVERALL FEET & LEG	-0.816	5.1866	
HOL MAMMARY SYSTEM	CHE OVERALL UDDER SCORE	-1.902	4.3774	
HOL STATURE	CHE STATURE	-1.947	4.8587	
HOL CHEST WIDTH	CHE CHEST WIDTH	0.998	5.2161	
HOL BODY DEPTH	CHE BODY DEPTH	0.366	3.5397	
HOL PIN WIDTH	CHE RUMP WIDTH	-1.222	5.1708	
HOL RUMP ANGLE	CHE RUMP ANGLE	0.483	6.0020	
HOL FOOT ANGLE	CHE FOOT ANGLE	-1.116	3.4882	
HOL REAR LEGS SIDE VIEW	CHE REAR LEG SET	0.217	4.3009	
HOL REAR LEG REAR VIEW	CHE REAR LEG REAR VIEW	-1.457	3.6155	
HOL UDDER DEPTH	CHE UDDER DEPTH	0.223	4.3152	
HOL MEDIAN SUSPENSORY	CHE MEDIAN SUSPENSORY	-2.684	4.3731	
HOL FORE ATTACHMENT	CHE FORE UDDER	-1.185	4.6983	
HOL FRONT TEAT PLACEMENT	CHE FRONT TEAT PLACEMENT	-1.251	5.2391	
HOL TEAT LENGTH	CHE TEAT LENGTH	-0.491	4.7245	

HOL REAR ATTACHMENT HEIGHT	CHE REAR UDDER HEIGHT	-2.135	4.6164
HOL REAR TEAT PLACEMENT	CHE REAR TEAT PLACEMENT	-2.159	5.9528
HOL ANGULARITY	CHE ANGULARITY	-3.478	4.7204

-----

Conversion Factors For Type. Source = INTERBULL MACE 1208  
 Converted Canadian Proof = A + (B\* Foreign Proof)  
 Converted Proof Reliability = TCORR2\*Foreign Reliability

country2=CHR

c	c f		a	b	t
a	o o		v	v	c
n	u r		a	a	o
b t	n t		l	l	r
r r	t r		u	u	r
e a	r a		e	e	2
e i	y i				
d t	2 t				
HOL CONFORMATION	CHR OVERALL SCORE	-81.314	0.7363	0.77	
HOL FEET AND LEGS	CHR OVERALL FEET & LEG	-53.850	0.5162		
HOL MAMMARY SYSTEM	CHR OVERALL UDDER SCORE	-64.412	0.5671		
HOL STATURE	CHR STATURE	-47.736	0.3706		
HOL CHEST WIDTH	CHR CHEST WIDTH	-40.750	0.4372		
HOL BODY DEPTH	CHR BODY DEPTH	-51.585	0.4746		
HOL PIN WIDTH	CHR RUMP WIDTH	-30.541	0.2579		
HOL RUMP ANGLE	CHR RUMP ANGLE	-41.831	0.4202		
HOL FOOT ANGLE	CHR FOOT ANGLE	-35.686	0.3463		
HOL REAR LEGS SIDE VIEW	CHR REAR LEG SET	-53.284	0.5231		
HOL REAR LEG REAR VIEW	CHR REAR LEG REAR VIEW	-36.135	0.3674		
HOL UDDER DEPTH	CHR UDDER DEPTH	-44.888	0.4369		
HOL MEDIAN SUSPENSORY	CHR MEDIAN SUSPENSORY	-57.445	0.4972		
HOL FORE ATTACHMENT	CHR FORE UDDER	-47.453	0.4460		
HOL FRONT TEAT PLACEMENT	CHR FRONT TEAT PLACEMENT	-49.796	0.4499		
HOL TEAT LENGTH	CHR TEAT LENGTH	-50.966	0.4792		
HOL REAR ATTACHMENT HEIGHT	CHR REAR UDDER HEIGHT	-58.383	0.5104		

-----

Conversion Factors For Type. Source = INTERBULL MACE 1208  
 Converted Canadian Proof = A + (B\* Foreign Proof)  
 Converted Proof Reliability = TCORR2\*Foreign Reliability

country2=CZE

c	c f		a	b	t
a	o o		v	v	c
n	u r		a	a	o
b t	n t		l	l	r
r r	t r		u	u	r
e a	r a		e	e	2
e i	y i				
d t	2 t				
HOL CONFORMATION	CZE OVERALL SCORE	-37.671	0.3190	0.67	
HOL FEET AND LEGS	CZE OVERALL FEET & LEG	-35.318	0.3279		
HOL MAMMARY SYSTEM	CZE OVERALL UDDER SCORE	-35.380	0.3058		
HOL STATURE	CZE STATURE	-40.456	0.3505		

HOL CHEST WIDTH	CZE CHEST WIDTH	-43.206	0.4174
HOL BODY DEPTH	CZE BODY DEPTH	-37.571	0.3562
HOL PIN WIDTH	CZE RUMP WIDTH	-45.479	0.4274
HOL RUMP ANGLE	CZE RUMP ANGLE	-43.919	0.4420
HOL FOOT ANGLE	CZE FOOT ANGLE	-32.553	0.3171
HOL REAR LEGS SIDE VIEW	CZE REAR LEG SET	-37.978	0.3706
HOL REAR LEG REAR VIEW	CZE REAR LEG REAR VIEW	-31.929	0.3110
HOL UDDER DEPTH	CZE UDDER DEPTH	-42.231	0.3858
HOL MEDIAN SUSPENSORY	CZE MEDIAN SUSPENSORY	-37.352	0.3460
HOL FORE ATTACHMENT	CZE FORE UDDER	-41.177	0.3757
HOL FRONT TEAT PLACEMENT	CZE FRONT TEAT PLACEMENT	-44.743	0.4312
HOL TEAT LENGTH	CZE TEAT LENGTH	-36.257	0.3671
HOL REAR ATTACHMENT HEIGHT	CZE REAR UDDER HEIGHT	-38.370	0.3396
HOL REAR TEAT PLACEMENT	CZE REAR TEAT PLACEMENT	-41.352	0.3927
HOL ANGULARITY	CZE ANGULARITY	-40.078	0.3551

-----

Conversion Factors For Type. Source = INTERBULL MACE 1208  
 Converted Canadian Proof = A + (B\* Foreign Proof)  
 Converted Proof Reliability = TCORR2\*Foreign Reliability

country2=DEU

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	DEU OVERALL TYPE (RZE)	-38.943	0.3613	0.67
HOL FEET AND LEGS	DEU OVERALL FEET & LEG	-58.550	0.5744	
HOL MAMMARY SYSTEM	DEU OVERALL UDDER SCORE	-43.754	0.4115	
HOL STATURE	DEU STATURE	-46.923	0.4435	
HOL CHEST WIDTH	DEU CHEST WIDTH	-47.175	0.4597	
HOL BODY DEPTH	DEU BODY DEPTH	-45.798	0.4487	
HOL PIN WIDTH	DEU RUMP WIDTH	-51.575	0.4937	
HOL RUMP ANGLE	DEU RUMP ANGLE	-46.511	0.4652	
HOL FOOT ANGLE	DEU FOOT ANGLE	-47.674	0.4775	
HOL REAR LEGS SIDE VIEW	DEU REAR LEG SET	-49.997	0.4930	
HOL REAR LEG REAR VIEW	DEU REAR LEG REAR VIEW	-53.227	0.5268	
HOL UDDER DEPTH	DEU UDDER DEPTH	-44.440	0.4268	
HOL MEDIAN SUSPENSORY	DEU MEDIAN SUSPENSORY	-44.184	0.4272	
HOL FORE ATTACHMENT	DEU FORE UDDER	-46.810	0.4422	
HOL FRONT TEAT PLACEMENT	DEU FRONT TEAT PLACEMENT	-43.635	0.4326	
HOL TEAT LENGTH	DEU TEAT LENGTH	-42.754	0.4197	
HOL REAR ATTACHMENT HEIGHT	DEU REAR UDDER HEIGHT	-47.099	0.4501	
HOL REAR TEAT PLACEMENT	DEU REAR TEAT PLACEMENT	-48.820	0.4857	
HOL ANGULARITY	DEU ANGULARITY	-48.135	0.4514	

-----

Conversion Factors For Type. Source = INTERBULL MACE 1208  
 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	-42.581	0.3519	0.55
HOL FEET AND LEGS	DFS OVERALL FEET & LEG	-42.038	0.4182	
HOL MAMMARY SYSTEM	DFS OVERALL UDDER SCORE	-42.369	0.3966	
HOL STATURE	DFS STATURE	-51.719	0.4636	
HOL CHEST WIDTH	DFS CHEST WIDTH	-51.097	0.4784	
HOL BODY DEPTH	DFS BODY DEPTH	-52.241	0.4797	
HOL PIN WIDTH	DFS RUMP WIDTH	-47.969	0.4473	
HOL RUMP ANGLE	DFS RUMP ANGLE	-48.031	0.4882	
HOL FOOT ANGLE	DFS FOOT ANGLE	-42.231	0.4130	
HOL REAR LEGS SIDE VIEW	DFS REAR LEG SET	-46.588	0.4640	
HOL REAR LEG REAR VIEW	DFS REAR LEG REAR VIEW	-43.993	0.4344	
HOL UDDER DEPTH	DFS UDDER DEPTH	-47.589	0.4659	
HOL MEDIAN SUSPENSORY	DFS MEDIAN SUSPENSORY	-41.821	0.3863	
HOL FORE ATTACHMENT	DFS FORE UDDER	-49.532	0.4636	
HOL FRONT TEAT PLACEMENT	DFS FRONT TEAT PLACEMENT	-50.306	0.4942	
HOL TEAT LENGTH	DFS TEAT LENGTH	-52.167	0.5155	
HOL REAR ATTACHMENT HEIGHT	DFS REAR UDDER HEIGHT	-43.460	0.4004	
HOL REAR TEAT PLACEMENT	DFS REAR TEAT PLACEMENT	-53.800	0.5199	
HOL ANGULARITY	DFS DAIRY FORM	-54.323	0.4867	

-----

Conversion Factors For Type. Source = INTERBULL MACE 1208  
 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	-3.047	5.2703	0.66
HOL FEET AND LEGS	ESP OVERALL FEET & LEG	-1.106	5.3288	
HOL MAMMARY SYSTEM	ESP OVERALL UDDER SCORE	-2.236	4.5824	
HOL STATURE	ESP STATURE	-3.453	5.4066	
HOL CHEST WIDTH	ESP CHEST WIDTH	-0.525	5.2866	
HOL BODY DEPTH	ESP BODY DEPTH	-1.233	4.7709	
HOL PIN WIDTH	ESP PIN WIDTH	-1.202	5.2768	
HOL RUMP ANGLE	ESP RUMP ANGLE	-0.021	5.0587	
HOL FOOT ANGLE	ESP FOOT ANGLE	-0.487	5.1433	
HOL REAR LEGS SIDE VIEW	ESP REAR LEG SET	-0.997	5.1380	
HOL REAR LEG REAR VIEW	ESP REAR LEG REAR VIEW	-0.135	4.8510	
HOL UDDER DEPTH	ESP UDDER DEPTH	-1.708	4.7476	
HOL MEDIAN SUSPENSORY	ESP MEDIAN SUSPENSORY	-1.984	5.3242	

HOL FORE ATTACHMENT	ESP FORE UDDER	-2.627	5.2008
HOL FRONT TEAT PLACEMENT	ESP FRONT TEAT PLACEMENT	-0.998	5.2994
HOL TEAT LENGTH	ESP TEAT LENGTH	-0.175	4.7580
HOL REAR ATTACHMENT HEIGHT	ESP REAR UDDER HEIGHT	-2.774	5.0613
HOL REAR TEAT PLACEMENT	ESP REAR TEAT PLACEMENT	-1.560	5.7794
HOL ANGULARITY	ESP ANGULARITY	-3.380	6.1864

-----

Conversion Factors For Type. Source = INTERBULL MACE 1208  
 Converted Canadian Proof = A + (B\* Foreign Proof)  
 Converted Proof Reliability = TCORR2\*Foreign Reliability

country2=EST

c	c f		a	b	t
a	o o		v	v	c
n	u r		a	a	o
b t	n t		l	l	r
r r	t r		u	u	r
e a	r a		e	e	2
e i	y i				
d t	2 t				
HOL CONFORMATION	EST OVERALL CONFORMATION	-41.022	0.3493	0.67	
HOL FEET AND LEGS	EST OVERALL FEET & LEG	-31.495	0.2857		
HOL MAMMARY SYSTEM	EST OVERALL UDDER SCORE	-41.084	0.3604		
HOL STATURE	EST STATURE	-45.143	0.3985		
HOL CHEST WIDTH	EST CHEST WIDTH	-38.181	0.3664		
HOL BODY DEPTH	EST BODY DEPTH	-40.253	0.3783		
HOL PIN WIDTH	EST RUMP WIDTH	-43.394	0.3970		
HOL RUMP ANGLE	EST RUMP ANGLE	-40.662	0.4146		
HOL FOOT ANGLE	EST FOOT ANGLE	-34.287	0.3268		
HOL REAR LEGS SIDE VIEW	EST REAR LEG SET	-35.896	0.3553		
HOL REAR LEG REAR VIEW	EST REAR LEG REAR VIEW	-34.622	0.3337		
HOL UDDER DEPTH	EST UDDER DEPTH	-44.978	0.4145		
HOL MEDIAN SUSPENSORY	EST MEDIAN SUSPENSORY	-33.457	0.2883		
HOL FORE ATTACHMENT	EST FORE UDDER	-40.073	0.3553		
HOL FRONT TEAT PLACEMENT	EST FRONT TEAT PLACEMENT	-44.282	0.4211		
HOL TEAT LENGTH	EST TEAT LENGTH	-35.268	0.3507		
HOL REAR ATTACHMENT HEIGHT	EST REAR UDDER HEIGHT	-36.916	0.3227		
HOL REAR TEAT PLACEMENT	EST REAR TEAT PLACEMENT	-46.157	0.4340		
HOL ANGULARITY	EST ANGULARITY	-26.585	0.2118		

-----

Conversion Factors For Type. Source = INTERBULL MACE 1208  
 Converted Canadian Proof = A + (B\* Foreign Proof)  
 Converted Proof Reliability = TCORR2\*Foreign Reliability

country2=FRA

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

HOL CONFORMATION	FRA OVERALL SCORE	-5.154	3.9450	0.62
HOL FEET AND LEGS	FRA OVERALL FEET & LEG	-3.713	3.7113	
HOL MAMMARY SYSTEM	FRA OVERALL UDDER SCORE	-3.889	4.7182	
HOL STATURE	FRA STATURE	-3.585	4.9456	
HOL CHEST WIDTH	FRA CHEST DEPTH	-0.401	5.0279	
HOL BODY DEPTH	FRA BODY DEPTH	-1.752	3.2988	
HOL PIN WIDTH	FRA RUMP WIDTH	-2.231	4.9387	
HOL RUMP ANGLE	FRA RUMP ANGLE	1.571	5.2559	
HOL FOOT ANGLE	FRA HEEL DEPTH	-2.099	4.9082	
HOL REAR LEGS SIDE VIEW	FRA REAR LEG SET	0.229	4.8486	
HOL REAR LEG REAR VIEW	FRA REAR LEG REAR VIEW	-1.380	4.7277	
HOL UDDER DEPTH	FRA UDDER DEPTH	-2.916	5.0246	
HOL MEDIAN SUSPENSORY	FRA MEDIAN SUSPENSORY	-3.208	4.1932	
HOL FORE ATTACHMENT	FRA FORE UDDER	-4.457	4.8700	
HOL FRONT TEAT PLACEMENT	FRA FRONT TEAT PLACEMENT	-1.455	4.9083	
HOL TEAT LENGTH	FRA TEAT LENGTH	0.122	5.2451	
HOL REAR ATTACHMENT HEIGHT	FRA REAR UDDER HEIGHT	-3.981	4.8331	
HOL REAR TEAT PLACEMENT	FRA REAR TEAT PLACEMENT	-1.793	5.5143	
HOL ANGULARITY	FRA ANGULARITY	-3.684	5.2157	

-----

Conversion Factors For Type. Source = INTERBULL MACE 1208  
 Converted Canadian Proof = A + (B\* Foreign Proof)  
 Converted Proof Reliability = TCORR2\*Foreign Reliability

country2=FRR

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	FRR CONFORMATION	-54.245	44.1484	0.45	
HOL MAMMARY SYSTEM	FRR OVERALL UDDER SCORE	-53.302	45.4764		
HOL STATURE	FRR STATURE	-50.648	41.6943		
HOL CHEST WIDTH	FRR CHEST WIDTH	-74.663	74.0988		
HOL BODY DEPTH	FRR BODY DEPTH	-43.287	40.5953		
HOL PIN WIDTH	FRR RUMP WIDTH	-44.803	40.3651		
HOL RUMP ANGLE	FRR RUMP ANGLE	-40.321	42.5483		
HOL FOOT ANGLE	FRR FOOT ANGLE	-45.202	41.5751		
HOL REAR LEGS SIDE VIEW	FRR REAR LEG SET	-43.045	42.5856		
HOL REAR LEG REAR VIEW	FRR REAR LEG REAR VIEW	-46.085	43.3387		
HOL UDDER DEPTH	FRR UDDER DEPTH	-64.762	60.3451		
HOL MEDIAN SUSPENSORY	FRR MEDIAN SUSPENSORY	-52.045	43.4853		
HOL FORE ATTACHMENT	FRR FORE UDDER	-44.896	38.0916		
HOL TEAT PLACEMENT	FRR FRONT TEAT PLACEMENT	-66.676	61.9707		
HOL TEAT LENGTH	FRR TEAT LENGTH	-42.610	41.2127		
HOL REAR ATTACHMENT HEIGHT	FRR REAR UDDER HEIGHT	-59.173	51.0928		
HOL REAR TEAT PLACEMENT	FRR REAR TEAT PLACEMENT	-69.589	61.5055		
HOL ANGULARITY	FRR ANGULARITY	-45.764	36.2629		

-----

Conversion Factors For Type. Source = INTERBULL MACE 1208

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
HOL CONFORMATION	GBR TOTAL SCORE		-3.070	5.3747	0.74
HOL FEET AND LEGS	GBR OVERALL FEET & LEG		-1.422	3.7784	
HOL MAMMARY SYSTEM	GBR OVERALL UDDER SCORE		-2.894	4.8821	
HOL STATURE	GBR STATURE		-3.272	4.6406	
HOL CHEST WIDTH	GBR CHEST WIDTH		-0.708	4.6272	
HOL BODY DEPTH	GBR BODY DEPTH		-1.439	4.2416	
HOL PIN WIDTH	GBR RUMP WIDTH		-2.446	4.5659	
HOL RUMP ANGLE	GBR RUMP ANGLE		0.201	4.2492	
HOL FOOT ANGLE	GBR FOOT ANGLE		-0.230	3.8268	
HOL REAR LEGS SIDE VIEW	GBR REAR LEG SET		0.691	3.6741	
HOL REAR LEG REAR VIEW	GBR REAR LEG REAR VIEW		-0.544	2.1147	
HOL UDDER DEPTH	GBR UDDER DEPTH		-1.595	4.6774	
HOL MEDIAN SUSPENSORY	GBR MEDIAN SUSPENSORY		-2.037	4.1464	
HOL FORE ATTACHMENT	GBR FORE UDDER		-2.129	4.7921	
HOL TEAT PLACEMENT	GBR FRONT TEAT PLACEMENT		-0.861	4.4524	
HOL TEAT LENGTH	GBR TEAT LENGTH		-0.667	4.0694	
HOL REAR ATTACHMENT HEIGHT	GBR REAR UDDER HEIGHT		-2.630	3.7886	
HOL REAR TEAT PLACEMENT	GBR REAR TEAT PLACEMENT		-0.633	4.2740	
HOL ANGULARITY	GBR ANGULARITY		-2.576	5.0152	

-----  
 Conversion Factors For Type. Source = INTERBULL MACE 1208  
 Converted Canadian Proof = A + (B\* Foreign Proof)  
 Converted Proof Reliability = TCORR2\*Foreign Reliability

country2=HUN

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	HUN OVERALL CONFORMATION		-5.409	4.6662	0.69
HOL FEET AND LEGS	HUN OVERALL FEET & LEG		-2.047	3.7532	
HOL MAMMARY SYSTEM	HUN OVERALL UDDER SCORE		-3.848	4.4979	
HOL STATURE	HUN STATURE		-5.629	5.1500	
HOL CHEST WIDTH	HUN CHEST WIDTH		-1.215	4.8305	
HOL BODY DEPTH	HUN BODY DEPTH		-2.090	3.7910	
HOL PIN WIDTH	HUN RUMP WIDTH		-3.499	4.5848	
HOL RUMP ANGLE	HUN RUMP ANGLE		0.403	5.6177	
HOL FOOT ANGLE	HUN FOOT ANGLE		-0.486	5.2009	

HOL REAR LEGS SIDE VIEW	HUN REAR LEG SET	-0.995	5.5241
HOL REAR LEG REAR VIEW	HUN REAR LEG REAR VIEW	-0.957	4.1229
HOL UDDER DEPTH	HUN UDDER DEPTH	-2.671	4.9864
HOL MEDIAN SUSPENSORY	HUN MEDIAN SUSPENSORY	-3.092	4.8612
HOL FORE ATTACHMENT	HUN FORE UDDER	-3.188	5.2193
HOL FRONT TEAT PLACEMENT	HUN FRONT TEAT PLACEMENT	-1.881	5.3386
HOL TEAT LENGTH	HUN TEAT LENGTH	0.673	5.3111
HOL REAR ATTACHMENT HEIGHT	HUN REAR UDDER HEIGHT	-4.692	4.9669
HOL ANGULARITY	HUN ANGULARITY	-5.782	5.6382

-----

Conversion Factors For Type. Source = INTERBULL MACE 1208  
 Converted Canadian Proof = A + (B\* Foreign Proof)  
 Converted Proof Reliability = TCORR2\*Foreign Reliability

country2=IRL

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	IRL CONFORMATION	-5.549	3.0367	0.52
HOL FEET AND LEGS	IRL OVERALL FEET & LEG	-2.005	3.3130	
HOL MAMMARY SYSTEM	IRL OVERALL UDDER SCORE	-3.759	2.8225	
HOL STATURE	IRL STATURE	-3.705	3.8518	
HOL CHEST WIDTH	IRL CHEST WIDTH	-1.476	3.3841	
HOL BODY DEPTH	IRL BODY DEPTH	-0.721	3.3769	
HOL PIN WIDTH	IRL RUMP WIDTH	-3.182	3.1959	
HOL RUMP ANGLE	IRL RUMP ANGLE	0.433	3.4704	
HOL FOOT ANGLE	IRL FOOT ANGLE	-1.295	3.5131	
HOL REAR LEGS SIDE VIEW	IRL REAR LEG SET	-1.060	3.1120	
HOL REAR LEG REAR VIEW	IRL REAR LEG REAR VIEW	-0.745	2.8191	
HOL UDDER DEPTH	IRL UDDER DEPTH	-1.842	3.7561	
HOL MEDIAN SUSPENSORY	IRL MEDIAN SUSPENSORY	-3.299	3.4355	
HOL FORE ATTACHMENT	IRL FORE UDDER	-2.217	3.5009	
HOL TEAT PLACEMENT	IRL FRONT TEAT PLACEMENT	-1.456	3.8564	
HOL TEAT LENGTH	IRL TEAT LENGTH	-0.222	3.3340	
HOL REAR ATTACHMENT HEIGHT	IRL REAR UDDER HEIGHT	-3.628	2.8956	
HOL REAR TEAT PLACEMENT	IRL REAR TEAT PLACEMENT	-1.644	3.2827	
HOL ANGULARITY	IRL ANGULARITY	-4.085	3.9849	

-----

Conversion Factors For Type. Source = INTERBULL MACE 1208  
 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	n	t	v	v	c
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	-4.481	5.3817	0.74
HOL FEET AND LEGS	ITA OVERALL FEET & LEG	-2.089	3.2457	
HOL MAMMARY SYSTEM	ITA OVERALL UDDER SCORE	-3.464	4.4848	
HOL STATURE	ITA STATURE	-4.535	4.2235	
HOL CHEST WIDTH	ITA STRENGTH	-1.248	3.6535	
HOL BODY DEPTH	ITA BODY DEPTH	-2.142	3.1169	
HOL PIN WIDTH	ITA RUMP WIDTH	-3.001	3.7774	
HOL RUMP ANGLE	ITA RUMP ANGLE	0.075	3.7503	
HOL FOOT ANGLE	ITA FOOT ANGLE	-1.343	2.9772	
HOL REAR LEGS SIDE VIEW	ITA REAR LEG SET	-0.515	3.6371	
HOL REAR LEG REAR VIEW	ITA REAR LEG REAR VIEW	-0.674	2.7070	
HOL UDDER DEPTH	ITA UDDER DEPTH	-2.620	3.7493	
HOL MEDIAN SUSPENSORY	ITA MEDIAN SUSPENSORY	-2.123	3.2130	
HOL FORE ATTACHMENT	ITA FORE UDDER	-3.408	3.5387	
HOL FRONT TEAT PLACEMENT	ITA FRONT TEAT PLACEMENT	-1.600	3.6262	
HOL TEAT LENGTH	ITA TEAT LENGTH	-0.731	3.7937	
HOL REAR ATTACHMENT HEIGHT	ITA REAR UDDER HEIGHT	-3.578	3.0891	
HOL REAR TEAT PLACEMENT	ITA REAR TEAT PLACEMENT	-0.967	3.4294	
HOL ANGULARITY	ITA ANGULARITY	-4.535	4.0118	

-----

Conversion Factors For Type. Source = INTERBULL MACE 1208  
 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 i	y i	u	u	r
d t	2 t	e	e	2

HOL CONFORMATION	JPN OVERALL CONFORMATION	-4.191	6.9307	0.77
HOL FEET AND LEGS	JPN OVERALL FEET & LEG	-1.837	8.7223	
HOL MAMMARY SYSTEM	JPN OVERALL UDDER SCORE	-3.487	6.9204	
HOL STATURE	JPN STATURE	-3.866	4.4577	
HOL CHEST WIDTH	JPN CHEST WIDTH	-1.563	3.7940	
HOL BODY DEPTH	JPN BODY DEPTH	-1.908	2.9991	
HOL PIN WIDTH	JPN RUMP WIDTH	-2.588	4.1175	
HOL RUMP ANGLE	JPN RUMP ANGLE	-0.064	3.9207	
HOL FOOT ANGLE	JPN FOOT ANGLE	-1.704	2.1749	
HOL REAR LEGS SIDE VIEW	JPN REAR LEG SET	0.733	3.7000	
HOL REAR LEG REAR VIEW	JPN REAR LEG REAR VIEW	-0.848	3.1711	
HOL UDDER DEPTH	JPN UDDER DEPTH	-2.428	4.1642	
HOL MEDIAN SUSPENSORY	JPN MEDIAN SUSPENSORY	-1.471	2.3788	
HOL FORE ATTACHMENT	JPN FORE UDDER	-2.992	3.4250	
HOL FRONT TEAT PLACEMENT	JPN FRONT TEAT PLACEMENT	-1.727	3.8984	
HOL TEAT LENGTH	JPN TEAT LENGTH	0.082	3.6390	
HOL REAR ATTACHMENT HEIGHT	JPN REAR UDDER HEIGHT	-3.280	3.5687	
HOL REAR TEAT PLACEMENT	JPN REAR TEAT PLACEMENT	-1.517	3.7735	
HOL ANGULARITY	JPN ANGULARITY	-3.211	3.7103	

-----  
 Conversion Factors For Type. Source = INTERBULL MACE 1208  
 Converted Canadian Proof = A + (B\* Foreign Proof)  
 Converted Proof Reliability = TCORR2\*Foreign Reliability

country2=NLD

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	NLD OVERALL CONFORMATION		-123.750	1.1822	0.58
HOL FEET AND LEGS	NLD OVERALL FEET & LEG		-95.993	0.9398	
HOL MAMMARY SYSTEM	NLD OVERALL UDDER SCORE		-98.673	0.9353	
HOL STATURE	NLD STATURE		-120.757	1.1524	
HOL CHEST WIDTH	NLD CHEST WIDTH		-125.998	1.2401	
HOL BODY DEPTH	NLD BODY DEPTH		-103.028	0.9975	
HOL PIN WIDTH	NLD PIN WIDTH		-127.797	1.2352	
HOL RUMP ANGLE	NLD RUMP ANGLE		-118.245	1.2118	
HOL FOOT ANGLE	NLD CLAW DIAGONAL		-107.466	1.0606	
HOL REAR LEGS SIDE VIEW	NLD REAR LEG SET		-117.067	1.1598	
HOL REAR LEG REAR VIEW	NLD REAR LEG REAR VIEW		-117.451	1.1698	
HOL UDDER DEPTH	NLD UDDER DEPTH		-111.855	1.0818	
HOL MEDIAN SUSPENSORY	NLD MEDIAN SUSPENSORY		-109.387	1.0488	
HOL FORE ATTACHMENT	NLD FORE UDDER		-119.489	1.1527	
HOL FRONT TEAT PLACEMENT	NLD FRONT TEAT PLACEMENT		-120.207	1.1837	
HOL TEAT LENGTH	NLD TEAT LENGTH		-112.716	1.1325	
HOL REAR ATTACHMENT HEIGHT	NLD REAR UDDER HEIGHT		-95.407	0.9079	
HOL REAR TEAT PLACEMENT	NLD REAR TEAT PLACEMENT		-123.503	1.2149	
HOL ANGULARITY	NLD ANGULARITY		-113.136	1.0701	

-----  
 Conversion Factors For Type. Source = INTERBULL MACE 1208  
 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	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	NZL OVERALL CONFORMATION		-15.663	12.9528	0.50
HOL MAMMARY SYSTEM	NZL OVERALL UDDER SCORE		-11.700	10.4295	
HOL STATURE	NZL STATURE		-24.463	10.9784	
HOL CHEST WIDTH	NZL CHEST WIDTH		-3.162	12.8549	
HOL BODY DEPTH	NZL BODY DEPTH		-5.467	10.9640	

HOL PIN WIDTH	NZL RUMP WIDTH	-14.007	17.4619
HOL RUMP ANGLE	NZL RUMP ANGLE	0.362	17.0740
HOL REAR LEGS SIDE VIEW	NZL REAR LEG SET	1.373	24.0485
HOL MEDIAN SUSPENSORY	NZL MEDIAN SUSPENSORY	-11.553	9.9763
HOL FORE ATTACHMENT	NZL FORE UDDER	-9.179	12.6162
HOL FRONT TEAT PLACEMENT	NZL FRONT TEAT PLACEMENT	-8.168	18.1589
HOL REAR ATTACHMENT HEIGHT	NZL REAR UDDER HEIGHT	-11.146	12.1331
HOL REAR TEAT PLACEMENT	NZL REAR TEAT PLACEMENT	-10.340	12.7679

-----

Conversion Factors For Type. Source = INTERBULL MACE 1208  
 Converted Canadian Proof = A + (B\* Foreign Proof)  
 Converted Proof Reliability = TCORR2\*Foreign Reliability

country2=POL

c	c f		a	b	t
a	o o		v	v	c
n	u r		a	a	o
b t	n t		l	l	r
r r	t r		u	u	r
e a	r a		e	e	2
e i	y i				
d t	2 t				
HOL CONFORMATION	POL OVERALL CONFORMATION	-65.348	0.5607	0.29	
HOL FEET AND LEGS	POL OVERALL FEET & LEG	-46.111	0.4115		
HOL MAMMARY SYSTEM	POL OVERALL UDDER SCORE	-57.461	0.4971		
HOL STATURE	POL STATURE	-76.703	0.6760		
HOL CHEST WIDTH	POL CHEST WIDTH	-44.612	0.4322		
HOL BODY DEPTH	POL BODY DEPTH	-42.301	0.3962		
HOL PIN WIDTH	POL RUMP WIDTH	-50.109	0.4615		
HOL RUMP ANGLE	POL RUMP ANGLE	-46.898	0.4720		
HOL FOOT ANGLE	POL FOOT ANGLE	-41.221	0.3849		
HOL REAR LEGS SIDE VIEW	POL REAR LEG SET	-43.311	0.4301		
HOL REAR LEG REAR VIEW	POL REAR LEG REAR VIEW	-38.576	0.3712		
HOL UDDER DEPTH	POL UDDER DEPTH	-55.331	0.5047		
HOL MEDIAN SUSPENSORY	POL MEDIAN SUSPENSORY	-51.780	0.4596		
HOL FORE ATTACHMENT	POL FORE UDDER	-50.000	0.4436		
HOL FRONT TEAT PLACEMENT	POL FRONT TEAT PLACEMENT	-58.513	0.5431		
HOL TEAT LENGTH	POL TEAT LENGTH	-44.128	0.4482		
HOL REAR ATTACHMENT HEIGHT	POL REAR UDDER HEIGHT	-58.314	0.5104		
HOL REAR TEAT PLACEMENT	POL REAR TEAT PLACEMENT	-53.607	0.5143		
HOL ANGULARITY	POL ANGULARITY	-79.957	0.7027		

-----

Conversion Factors For Type. Source = INTERBULL MACE 1208  
 Converted Canadian Proof = A + (B\* Foreign Proof)  
 Converted Proof Reliability = TCORR2\*Foreign Reliability

country2=USA

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

e i d t	y i 2 t		u u e e	r 2
HOL CONFORMATION	USA PTA TYPE (FINAL SCORE)	-2.933	5.0030	0.74
HOL FEET AND LEGS	USA FEET & LEGS SCORE	-1.369	3.4530	
HOL MAMMARY SYSTEM	USA UDDER COMPOSITE	-1.367	4.4659	
HOL STATURE	USA STATURE	-3.033	4.1443	
HOL CHEST WIDTH	USA STRENGTH	-0.535	4.1875	
HOL BODY DEPTH	USA BODY DEPTH	-1.400	3.1307	
HOL PIN WIDTH	USA THURL WIDTH	-1.559	3.9822	
HOL RUMP ANGLE	USA RUMP ANGLE	-0.483	3.9911	
HOL FOOT ANGLE	USA FOOT ANGLE	-0.746	3.3795	
HOL REAR LEGS SIDE VIEW	USA REAR LEGS - SIDE VIEW	-0.089	3.8701	
HOL REAR LEG REAR VIEW	USA REAR LEGS - REAR VIEW	-0.320	2.9777	
HOL UDDER DEPTH	USA UDDER DEPTH	-1.287	3.7086	
HOL MEDIAN SUSPENSORY	USA UDDER CLEFT	-1.435	3.2988	
HOL FORE ATTACHMENT	USA FORE ATTACHMENT	-1.689	3.6866	
HOL FRONT TEAT PLACEMENT	USA FRONT TEAT PLACEMENT	-0.426	3.8088	
HOL TEAT LENGTH	USA TEAT LENGTH	-0.497	3.7598	
HOL REAR ATTACHMENT HEIGHT	USA REAR UDDER HEIGHT	-2.377	3.1389	
HOL REAR TEAT PLACEMENT	USA REAR TEAT PLACEMENT	-1.242	3.3878	
HOL ANGULARITY	USA DAIRY FORM	-3.719	4.2263	

-----

Conversion Factors For Type. Source = INTERBULL MACE 1208  
 Converted Canadian Proof = A + (B\* Foreign Proof)  
 Converted Proof Reliability = TCORR2\*Foreign Reliability

country2=ZAF

c a n b t r r e a e i d t	c f o o u r n t t r r a y i 2 t		a b v v a a l l u u e e	t c o r r 2
HOL STATURE	ZAF STATURE	-6.415	12.1436	
HOL CHEST WIDTH	ZAF CHEST WIDTH	0.068	19.2242	
HOL BODY DEPTH	ZAF BODY DEPTH	-2.211	16.5859	
HOL PIN WIDTH	ZAF RUMP WIDTH	-3.119	17.4300	
HOL RUMP ANGLE	ZAF RUMP ANGLE	0.102	13.0073	
HOL FOOT ANGLE	ZAF FOOT ANGLE	-1.762	18.5539	
HOL REAR LEGS SIDE VIEW	ZAF REAR LEG SET	0.117	25.3086	
HOL REAR LEG REAR VIEW	ZAF REAR LEG REAR VIEW	-0.839	16.7950	
HOL UDDER DEPTH	ZAF UDDER DEPTH	-3.004	13.6502	
HOL MEDIAN SUSPENSORY	ZAF MEDIAN SUSPENSORY	-3.211	14.5823	
HOL FORE ATTACHMENT	ZAF FORE UDDER	-3.426	14.7472	
HOL TEAT PLACEMENT	ZAF FRONT TEAT PLACEMENT	-1.314	15.4986	
HOL TEAT LENGTH	ZAF TEAT LENGTH	0.174	10.2344	
HOL REAR ATTACHMENT HEIGHT	ZAF REAR UDDER HEIGHT	-4.985	16.3778	
HOL ANGULARITY	ZAF ANGULARITY	-6.592	16.4186	

-----

CALCULATION OF FAT% AND PROTEIN% FOR AUGUST 2012

BREED	BMILK	BFAT	BPRT
-----	-----	-----	-----
AYS	7378	299	248
BSW	8038	329	280
CN	5803	247	204
GUE	6752	303	229
JER	6320	311	241
HOL	9670	364	310
MS	6617	241	218

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

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

EXAMPLE :

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

$$\begin{aligned} \text{EBVFAT\%} &= 200 * [ (364 + 50 * .5) / (9670 + 1000 * .5) - (364 / 9670) ] \\ &= 200 * [ (364 + 25) / (9670 + 500) - (0.03764) ] \\ &= 200 * [ 0.03825 - 0.03764 ] \\ &= 200 * 0.00061 \\ &= 0.12 \end{aligned}$$

$$\begin{aligned} \text{EBVPROT\%} &= 200 * [ (310 + 40 * .5) / (9670 + 1000 * .5) - (310 / 9670) ] \\ &= 200 * [ (310 + 20) / (9670 + 500) - (0.03206) ] \\ &= 200 * [ 0.03245 - 0.03206 ] \\ &= 200 * 0.00039 \\ &= 0.08 \end{aligned}$$