
Conversion Factors For Production Traits. Source: INTERBULL 1212
 Converted Canadian Proof = A + (B* Foreign Proof)
 Converted Proof Reliability = PCORR2*Foreign Reliability

breed	country2	amilk	bmilk	afat	bfat	aprot	bprot	pcorr2
HOL	ARG	-157.08	4.764	-14.869	4.965	-6.516	4.485	0.7225
HOL	AUS	-348.47	1.448	7.839	1.323	1.831	1.605	0.5776
HOL	BEL	-508.53	1.475	-8.518	1.339	-5.349	1.387	0.7225
HOL	CHE	-501.06	1.322	-0.467	1.302	-6.419	1.296	0.8281
HOL	CHR	-1296.30	1.327	-16.862	1.253	-26.130	1.322	0.7396
HOL	CZE	49.96	1.414	3.225	1.295	9.136	1.290	0.7225
HOL	DEU	-277.27	1.263	6.523	1.206	1.547	1.225	0.7921
HOL	DFS	-6399.65	68.387	-230.503	2.573	-168.939	1.956	0.8464
HOL	ESP	53.11	1.431	3.676	1.359	5.195	1.376	0.8100
HOL	EST	-543.82	1.157	0.350	1.185	-4.588	1.100	0.7396
HOL	FRA	358.34	1.119	16.510	1.064	22.642	1.099	0.8100
HOL	FRR	-995.35	1.042	-6.339	1.096	-11.483	0.977	0.7569
HOL	GBR	-78.12	2.651	7.304	2.715	2.884	2.894	0.7569
HOL	HUN	21.87	1.136	1.155	1.219	4.072	1.060	0.7396
HOL	IRL	-1247.62	4.513	-26.262	4.598	-26.305	4.520	0.5929
HOL	ISR	31.32	1.949	24.618	1.895	10.953	2.186	0.6400
HOL	ITA	132.87	1.252	4.601	1.203	8.220	1.132	0.8100
HOL	JPN	392.77	0.942	12.458	1.047	12.521	0.969	0.7396
HOL	KOR	163.41	1.598	0.406	1.422	4.250	1.784	0.7225
HOL	LTU	-1358.37	2.036	-16.379	1.720	-25.301	1.658	0.7396
HOL	LVA	-908.58	2.072	-1.573	1.419	-12.623	1.879	0.7225
HOL	NLD	157.29	1.187	25.293	1.138	23.241	1.174	0.8281
HOL	NZL	-2176.32	2.265	-13.195	1.768	-35.541	2.011	0.5625
HOL	POL	-373.00	1.918	2.495	1.744	-2.660	1.991	0.7225
HOL	PRT	-386.80	1.098	-6.381	1.030	-2.668	0.859	0.7225
HOL	SVK	-104.54	1.963	-5.054	1.964	3.574	1.994	0.7225
HOL	SVN	-624.38	3.788	-12.789	3.724	-13.788	3.814	0.7396
HOL	URY	-246.20	4.378	-9.121	4.272	-3.399	3.881	0.7225
HOL	USA	387.74	1.025	7.263	1.064	11.316	1.090	0.8464
HOL	ZAF	-199.49	1.775	-2.281	1.632	-2.103	1.696	0.7225

Conversion Factors For SCS Traits. Source: INTERBULL 1212
 Converted Canadian Proof = A + (B* Foreign Proof)
 Converted Proof Reliability = SCORR2*Foreign Reliability

breed	country2	a	b	scorr2
HOL	AUS	3.822	-0.007	0.6889
HOL	BEL	1.486	0.504	0.8464
HOL	CHE	5.050	-0.021	0.8281
HOL	CHR	5.130	-0.022	0.7396
HOL	CZE	4.538	-0.015	0.7396
HOL	DEU	2.969	0.510	0.8464
HOL	DFS	5.029	-0.021	0.8464
HOL	ESP	5.174	-0.021	0.8464
HOL	EST	4.843	-0.018	0.7569
HOL	FRA	2.997	-0.208	0.8649
HOL	FRR	2.968	-0.212	0.8464
HOL	GBR	2.994	0.019	0.8649

HOL	HUN	2.949	0.189	0.7921
HOL	IRL	2.952	2.158	0.7744
HOL	ISR	2.908	0.966	0.7225
HOL	ITA	7.110	-0.041	0.8281
HOL	JPN	1.735	0.557	0.7569
HOL	LTU	2.922	0.647	0.7396
HOL	LVA	3.040	0.494	0.7396
HOL	NLD	8.243	-0.051	0.8464
HOL	NZL	3.040	0.522	0.6084
HOL	POL	5.089	-0.021	0.8100
HOL	PRT	3.006	0.455	0.7225
HOL	SVK	1.160	0.607	0.7225
HOL	USA	-0.258	1.088	0.9025
HOL	ZAF	2.993	0.092	0.7921

Conversion Factors For Type. Source = INTERBULL MACE 1212
 Converted Canadian Proof = A + (B* Foreign Proof)
 Converted Proof Reliability = TCORR2*Foreign Reliability

country2=AUS

c	c	f			
a	o	o		a	b
n	u	r		v	v
b	n	t		a	a
r	t	r		l	l
e	r	a		u	u
e	y	i		e	e
d	2	t			
t					t
					c
					o
					r
					r
					2
HOL CONFORMATION	AUS GENERAL APPEARANCE	-69.649	0.6259	0.35	
HOL FEET AND LEGS	AUS OVERALL FEET & LEG	-36.308	0.3125		
HOL MAMMARY SYSTEM	AUS OVERALL UDDER SCORE	-70.451	0.6491		
HOL STATURE	AUS STATURE	-51.631	0.4556		
HOL CHEST WIDTH	AUS CHEST WIDTH	-48.563	0.4818		
HOL BODY DEPTH	AUS BODY DEPTH	-54.033	0.5365		
HOL PIN WIDTH	AUS PIN WIDTH	-57.629	0.5484		
HOL RUMP ANGLE	AUS RUMP ANGLE	-44.761	0.4593		
HOL FOOT ANGLE	AUS FOOT ANGLE	-64.633	0.6133		
HOL REAR LEGS SIDE VIEW	AUS REAR LEG SET	-79.269	0.7991		
HOL REAR LEG REAR VIEW	AUS REAR LEG REAR VIEW	-62.250	0.5943		
HOL UDDER DEPTH	AUS UDDER DEPTH	-49.744	0.4571		
HOL MEDIAN SUSPENSORY	AUS MEDIAN SUSPENSORY	-68.057	0.6324		
HOL FORE ATTACHMENT	AUS FORE UDDER	-66.093	0.6199		
HOL FRONT TEAT PLACEMENT	AUS FRONT TEAT PLACEMENT	-50.919	0.4915		
HOL TEAT LENGTH	AUS TEAT LENGTH	-36.769	0.3608		
HOL REAR ATTACHMENT HEIGHT	AUS REAR UDDER HEIGHT	-67.376	0.6243		
HOL REAR TEAT PLACEMENT	AUS REAR TEAT PLACEMENT	-58.077	0.5669		
HOL ANGULARITY	AUS ANGULARITY	-61.913	0.5656		

Conversion Factors For Type. Source = INTERBULL MACE 1212
 Converted Canadian Proof = A + (B* Foreign Proof)
 Converted Proof Reliability = TCORR2*Foreign Reliability

country2=BEL

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 v a l u e	b v a l u e	t c o r r e c t
HOL CONFORMATION	BEL CONFORMATION	-4.226	3.3424	0.55
HOL FEET AND LEGS	BEL OVERALL FEET & LEG	-1.279	2.5995	
HOL MAMMARY SYSTEM	BEL OVERALL UDDER SCORE	-3.519	3.3694	
HOL STATURE	BEL STATURE	-3.562	4.7416	
HOL CHEST WIDTH	BEL CHEST WIDTH	-0.439	3.3375	
HOL BODY DEPTH	BEL BODY DEPTH	-1.310	3.5722	
HOL PIN WIDTH	BEL RUMP WIDTH	-1.505	3.8545	
HOL RUMP ANGLE	BEL RUMP ANGLE	0.876	3.6480	
HOL FOOT ANGLE	BEL FOOT ANGLE	-0.638	2.8135	
HOL REAR LEGS SIDE VIEW	BEL REAR LEG SET	-0.831	3.1824	
HOL REAR LEG REAR VIEW	BEL REAR LEG REAR VIEW	0.052	2.7294	
HOL UDDER DEPTH	BEL UDDER DEPTH	-2.111	4.1120	
HOL MEDIAN SUSPENSORY	BEL MEDIAN SUSPENSORY	-2.987	2.8957	
HOL FORE ATTACHMENT	BEL FORE UDDER	-3.283	3.0702	
HOL TEAT PLACEMENT	BEL FRONT TEAT PLACEMENT	-1.697	3.8714	
HOL TEAT LENGTH	BEL TEAT LENGTH	0.085	3.5748	
HOL REAR ATTACHMENT HEIGHT	BEL REAR UDDER HEIGHT	-3.572	4.1369	
HOL REAR TEAT PLACEMENT	BEL REAR TEAT PLACEMENT	-2.171	4.3721	
HOL ANGULARITY	BEL ANGULARITY	-4.100	4.6467	

Conversion Factors For Type. Source = INTERBULL MACE 1212
 Converted Canadian Proof = A + (B* Foreign Proof)
 Converted Proof Reliability = TCORR2*Foreign Reliability

country2=CHE

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 v a l u e	b v a l u e	t c o r r e c t
HOL CONFORMATION	CHE FINAL SCORE	-40.499	0.3873	0.83
HOL FEET AND LEGS	CHE OVERALL FEET & LEG	-0.869	5.1126	
HOL MAMMARY SYSTEM	CHE OVERALL UDDER SCORE	-1.963	4.4169	
HOL STATURE	CHE STATURE	-1.961	4.8831	
HOL CHEST WIDTH	CHE CHEST WIDTH	0.994	5.2349	
HOL BODY DEPTH	CHE BODY DEPTH	0.299	3.6696	
HOL PIN WIDTH	CHE RUMP WIDTH	-1.264	5.1175	
HOL RUMP ANGLE	CHE RUMP ANGLE	0.502	5.9483	
HOL FOOT ANGLE	CHE FOOT ANGLE	-0.936	4.5190	
HOL REAR LEGS SIDE VIEW	CHE REAR LEG SET	0.195	4.1799	
HOL REAR LEG REAR VIEW	CHE REAR LEG REAR VIEW	-1.485	3.5055	
HOL UDDER DEPTH	CHE UDDER DEPTH	0.217	4.2849	
HOL MEDIAN SUSPENSORY	CHE MEDIAN SUSPENSORY	-2.757	4.3656	
HOL FORE ATTACHMENT	CHE FORE UDDER	-1.208	4.6625	

HOL FRONT TEAT PLACEMENT	CHE FRONT TEAT PLACEMENT	-1.273	5.2218
HOL TEAT LENGTH	CHE TEAT LENGTH	-0.494	4.7011
HOL REAR ATTACHMENT HEIGHT	CHE REAR UDDER HEIGHT	-2.177	4.6954
HOL REAR TEAT PLACEMENT	CHE REAR TEAT PLACEMENT	-2.170	5.8879
HOL ANGULARITY	CHE ANGULARITY	-3.470	4.7670

Conversion Factors For Type. Source = INTERBULL MACE 1212
 Converted Canadian Proof = A + (B* Foreign Proof)
 Converted Proof Reliability = TCORR2*Foreign Reliability

country2=CHR

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	CHR OVERALL SCORE	-83.606	0.7570	0.81	
HOL FEET AND LEGS	CHR OVERALL FEET & LEG	-53.891	0.5152		
HOL MAMMARY SYSTEM	CHR OVERALL UDDER SCORE	-66.544	0.5860		
HOL STATURE	CHR STATURE	-47.820	0.3710		
HOL CHEST WIDTH	CHR CHEST WIDTH	-40.525	0.4359		
HOL BODY DEPTH	CHR BODY DEPTH	-51.520	0.4738		
HOL PIN WIDTH	CHR RUMP WIDTH	-30.422	0.2561		
HOL RUMP ANGLE	CHR RUMP ANGLE	-41.467	0.4167		
HOL FOOT ANGLE	CHR FOOT ANGLE	-40.736	0.3943		
HOL REAR LEGS SIDE VIEW	CHR REAR LEG SET	-52.666	0.5174		
HOL REAR LEG REAR VIEW	CHR REAR LEG REAR VIEW	-36.580	0.3721		
HOL UDDER DEPTH	CHR UDDER DEPTH	-44.171	0.4291		
HOL MEDIAN SUSPENSORY	CHR MEDIAN SUSPENSORY	-57.800	0.5010		
HOL FORE ATTACHMENT	CHR FORE UDDER	-47.301	0.4442		
HOL FRONT TEAT PLACEMENT	CHR FRONT TEAT PLACEMENT	-49.823	0.4502		
HOL TEAT LENGTH	CHR TEAT LENGTH	-51.056	0.4798		
HOL REAR ATTACHMENT HEIGHT	CHR REAR UDDER HEIGHT	-59.579	0.5207		

Conversion Factors For Type. Source = INTERBULL MACE 1212
 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	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	CZE OVERALL SCORE	-38.534	0.3266	0.71	
HOL FEET AND LEGS	CZE OVERALL FEET & LEG	-35.144	0.3275		

HOL MAMMARY SYSTEM	CZE OVERALL UDDER SCORE	-35.816	0.3095
HOL STATURE	CZE STATURE	-40.496	0.3505
HOL CHEST WIDTH	CZE CHEST WIDTH	-43.031	0.4159
HOL BODY DEPTH	CZE BODY DEPTH	-37.881	0.3589
HOL PIN WIDTH	CZE RUMP WIDTH	-45.862	0.4312
HOL RUMP ANGLE	CZE RUMP ANGLE	-43.912	0.4418
HOL FOOT ANGLE	CZE FOOT ANGLE	-31.746	0.3095
HOL REAR LEGS SIDE VIEW	CZE REAR LEG SET	-37.708	0.3676
HOL REAR LEG REAR VIEW	CZE REAR LEG REAR VIEW	-32.371	0.3157
HOL UDDER DEPTH	CZE UDDER DEPTH	-42.330	0.3866
HOL MEDIAN SUSPENSORY	CZE MEDIAN SUSPENSORY	-36.768	0.3403
HOL FORE ATTACHMENT	CZE FORE UDDER	-41.250	0.3763
HOL FRONT TEAT PLACEMENT	CZE FRONT TEAT PLACEMENT	-45.045	0.4343
HOL TEAT LENGTH	CZE TEAT LENGTH	-36.710	0.3714
HOL REAR ATTACHMENT HEIGHT	CZE REAR UDDER HEIGHT	-39.235	0.3475
HOL REAR TEAT PLACEMENT	CZE REAR TEAT PLACEMENT	-41.483	0.3941
HOL ANGULARITY	CZE ANGULARITY	-40.024	0.3546

Conversion Factors For Type. Source = INTERBULL MACE 1212
 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)	-39.870	0.3701	0.72	
HOL FEET AND LEGS	DEU OVERALL FEET & LEG	-58.707	0.5756		
HOL MAMMARY SYSTEM	DEU OVERALL UDDER SCORE	-44.859	0.4220		
HOL STATURE	DEU STATURE	-47.233	0.4459		
HOL CHEST WIDTH	DEU CHEST WIDTH	-46.666	0.4544		
HOL BODY DEPTH	DEU BODY DEPTH	-46.037	0.4506		
HOL PIN WIDTH	DEU RUMP WIDTH	-51.600	0.4934		
HOL RUMP ANGLE	DEU RUMP ANGLE	-46.469	0.4650		
HOL FOOT ANGLE	DEU FOOT ANGLE	-47.856	0.4789		
HOL REAR LEGS SIDE VIEW	DEU REAR LEG SET	-49.876	0.4921		
HOL REAR LEG REAR VIEW	DEU REAR LEG REAR VIEW	-53.595	0.5302		
HOL UDDER DEPTH	DEU UDDER DEPTH	-44.452	0.4267		
HOL MEDIAN SUSPENSORY	DEU MEDIAN SUSPENSORY	-44.906	0.4345		
HOL FORE ATTACHMENT	DEU FORE UDDER	-47.031	0.4441		
HOL FRONT TEAT PLACEMENT	DEU FRONT TEAT PLACEMENT	-43.769	0.4333		
HOL TEAT LENGTH	DEU TEAT LENGTH	-43.007	0.4220		
HOL REAR ATTACHMENT HEIGHT	DEU REAR UDDER HEIGHT	-48.200	0.4609		
HOL REAR TEAT PLACEMENT	DEU REAR TEAT PLACEMENT	-49.246	0.4896		
HOL ANGULARITY	DEU ANGULARITY	-48.530	0.4556		

Conversion Factors For Type. Source = INTERBULL MACE 1212
 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		-43.398	0.3589	0.55
HOL FEET AND LEGS	DFS OVERALL FEET & LEG		-41.364	0.4124	
HOL MAMMARY SYSTEM	DFS OVERALL UDDER SCORE		-41.922	0.3918	
HOL STATURE	DFS STATURE		-51.887	0.4650	
HOL CHEST WIDTH	DFS CHEST WIDTH		-50.950	0.4765	
HOL BODY DEPTH	DFS BODY DEPTH		-52.173	0.4782	
HOL PIN WIDTH	DFS RUMP WIDTH		-47.921	0.4469	
HOL RUMP ANGLE	DFS RUMP ANGLE		-47.855	0.4859	
HOL FOOT ANGLE	DFS FOOT ANGLE		-42.016	0.4096	
HOL REAR LEGS SIDE VIEW	DFS REAR LEG SET		-46.562	0.4641	
HOL REAR LEG REAR VIEW	DFS REAR LEG REAR VIEW		-43.979	0.4350	
HOL UDDER DEPTH	DFS UDDER DEPTH		-47.561	0.4665	
HOL MEDIAN SUSPENSORY	DFS MEDIAN SUSPENSORY		-41.771	0.3863	
HOL FORE ATTACHMENT	DFS FORE UDDER		-49.158	0.4604	
HOL FRONT TEAT PLACEMENT	DFS FRONT TEAT PLACEMENT		-50.445	0.4948	
HOL TEAT LENGTH	DFS TEAT LENGTH		-52.489	0.5188	
HOL REAR ATTACHMENT HEIGHT	DFS REAR UDDER HEIGHT		-44.569	0.4123	
HOL REAR TEAT PLACEMENT	DFS REAR TEAT PLACEMENT		-53.979	0.5208	
HOL ANGULARITY	DFS DAIRY FORM		-53.646	0.4810	

Conversion Factors For Type. Source = INTERBULL MACE 1212
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		-3.086	5.3692	0.67
HOL FEET AND LEGS	ESP OVERALL FEET & LEG		-1.106	5.3153	
HOL MAMMARY SYSTEM	ESP OVERALL UDDER SCORE		-2.261	4.6321	
HOL STATURE	ESP STATURE		-3.482	5.4449	
HOL CHEST WIDTH	ESP CHEST WIDTH		-0.524	5.3084	
HOL BODY DEPTH	ESP BODY DEPTH		-1.316	4.8500	
HOL PIN WIDTH	ESP PIN WIDTH		-1.182	5.3249	
HOL RUMP ANGLE	ESP RUMP ANGLE		-0.002	5.0589	
HOL FOOT ANGLE	ESP FOOT ANGLE		-0.482	5.1375	
HOL REAR LEGS SIDE VIEW	ESP REAR LEG SET		-1.037	5.1254	
HOL REAR LEG REAR VIEW	ESP REAR LEG REAR VIEW		-0.091	4.8381	

HOL UDDER DEPTH	ESP UDDER DEPTH	-1.782	4.7442
HOL MEDIAN SUSPENSORY	ESP MEDIAN SUSPENSORY	-2.010	5.3761
HOL FORE ATTACHMENT	ESP FORE UDDER	-2.681	5.2600
HOL FRONT TEAT PLACEMENT	ESP FRONT TEAT PLACEMENT	-1.001	5.3207
HOL TEAT LENGTH	ESP TEAT LENGTH	-0.186	4.7406
HOL REAR ATTACHMENT HEIGHT	ESP REAR UDDER HEIGHT	-2.821	5.1271
HOL REAR TEAT PLACEMENT	ESP REAR TEAT PLACEMENT	-1.598	5.7804
HOL ANGULARITY	ESP ANGULARITY	-3.385	6.2453

Conversion Factors For Type. Source = INTERBULL MACE 1212
 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	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	EST OVERALL CONFORMATION	-39.940	0.3377	0.61
HOL FEET AND LEGS	EST OVERALL FEET & LEG	-32.296	0.2972	
HOL MAMMARY SYSTEM	EST OVERALL UDDER SCORE	-39.995	0.3474	
HOL STATURE	EST STATURE	-46.502	0.4114	
HOL CHEST WIDTH	EST CHEST WIDTH	-37.818	0.3620	
HOL BODY DEPTH	EST BODY DEPTH	-40.708	0.3825	
HOL PIN WIDTH	EST RUMP WIDTH	-43.771	0.3998	
HOL RUMP ANGLE	EST RUMP ANGLE	-40.927	0.4161	
HOL FOOT ANGLE	EST FOOT ANGLE	-33.169	0.3145	
HOL REAR LEGS SIDE VIEW	EST REAR LEG SET	-37.414	0.3688	
HOL REAR LEG REAR VIEW	EST REAR LEG REAR VIEW	-34.743	0.3372	
HOL UDDER DEPTH	EST UDDER DEPTH	-45.545	0.4201	
HOL MEDIAN SUSPENSORY	EST MEDIAN SUSPENSORY	-33.920	0.2932	
HOL FORE ATTACHMENT	EST FORE UDDER	-40.000	0.3534	
HOL FRONT TEAT PLACEMENT	EST FRONT TEAT PLACEMENT	-44.001	0.4176	
HOL TEAT LENGTH	EST TEAT LENGTH	-34.862	0.3472	
HOL REAR ATTACHMENT HEIGHT	EST REAR UDDER HEIGHT	-31.949	0.2711	
HOL REAR TEAT PLACEMENT	EST REAR TEAT PLACEMENT	-45.827	0.4311	
HOL ANGULARITY	EST ANGULARITY	-26.572	0.2095	

Conversion Factors For Type. Source = INTERBULL MACE 1212
 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	n	t	v	v	c
r	t	r	a	a	o
e	r	a	l	l	r

e i d t	y i 2 t		u u e e	r 2
HOL CONFORMATION	FRA OVERALL SCORE	-5.200	4.0274	0.66
HOL FEET AND LEGS	FRA OVERALL FEET & LEG	-3.541	3.9333	
HOL MAMMARY SYSTEM	FRA OVERALL UDDER SCORE	-3.923	4.7054	
HOL STATURE	FRA STATURE	-3.670	4.9500	
HOL CHEST WIDTH	FRA CHEST DEPTH	-0.413	4.9424	
HOL BODY DEPTH	FRA BODY DEPTH	-1.798	3.3929	
HOL PIN WIDTH	FRA RUMP WIDTH	-2.245	4.9539	
HOL RUMP ANGLE	FRA RUMP ANGLE	1.558	5.2426	
HOL FOOT ANGLE	FRA HEEL DEPTH	-2.103	4.9075	
HOL REAR LEGS SIDE VIEW	FRA REAR LEG SET	0.257	4.8400	
HOL REAR LEG REAR VIEW	FRA REAR LEG REAR VIEW	-1.362	4.7847	
HOL UDDER DEPTH	FRA UDDER DEPTH	-2.897	5.0426	
HOL MEDIAN SUSPENSORY	FRA MEDIAN SUSPENSORY	-3.244	4.1809	
HOL FORE ATTACHMENT	FRA FORE UDDER	-4.448	4.8944	
HOL FRONT TEAT PLACEMENT	FRA FRONT TEAT PLACEMENT	-1.502	4.9076	
HOL TEAT LENGTH	FRA TEAT LENGTH	0.099	5.2872	
HOL REAR ATTACHMENT HEIGHT	FRA REAR UDDER HEIGHT	-4.005	4.9173	
HOL REAR TEAT PLACEMENT	FRA REAR TEAT PLACEMENT	-1.775	5.5247	
HOL ANGULARITY	FRA ANGULARITY	-3.697	5.2293	

Conversion Factors For Type. Source = INTERBULL MACE 1212
 Converted Canadian Proof = A + (B* Foreign Proof)
 Converted Proof Reliability = TCORR2*Foreign Reliability

country2=FRR

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 2
HOL CONFORMATION	FRR CONFORMATION	-55.554	45.2762	0.50
HOL MAMMARY SYSTEM	FRR OVERALL UDDER SCORE	-53.858	45.6617	
HOL STATURE	FRR STATURE	-50.964	42.0914	
HOL CHEST WIDTH	FRR CHEST WIDTH	-59.729	59.2327	
HOL BODY DEPTH	FRR BODY DEPTH	-43.139	40.6430	
HOL PIN WIDTH	FRR RUMP WIDTH	-45.912	41.2447	
HOL RUMP ANGLE	FRR RUMP ANGLE	-40.391	42.5683	
HOL FOOT ANGLE	FRR FOOT ANGLE	-47.838	43.7101	
HOL REAR LEGS SIDE VIEW	FRR REAR LEG SET	-39.785	39.5337	
HOL REAR LEG REAR VIEW	FRR REAR LEG REAR VIEW	-44.224	41.2708	
HOL UDDER DEPTH	FRR UDDER DEPTH	-65.004	60.5127	
HOL MEDIAN SUSPENSORY	FRR MEDIAN SUSPENSORY	-51.691	43.0055	
HOL FORE ATTACHMENT	FRR FORE UDDER	-45.600	38.7318	
HOL TEAT PLACEMENT	FRR FRONT TEAT PLACEMENT	-66.958	62.0336	
HOL TEAT LENGTH	FRR TEAT LENGTH	-42.872	41.4878	
HOL REAR ATTACHMENT HEIGHT	FRR REAR UDDER HEIGHT	-61.489	53.3763	
HOL REAR TEAT PLACEMENT	FRR REAR TEAT PLACEMENT	-69.708	61.6015	
HOL ANGULARITY	FRR ANGULARITY	-47.138	37.6656	

Conversion Factors For Type. Source = INTERBULL MACE 1212
 Converted Canadian Proof = A + (B* Foreign Proof)
 Converted Proof Reliability = TCORR2*Foreign Reliability

country2=GBR

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 v a l u e	b v a l u e	t c o r r e c t
HOL CONFORMATION	GBR TOTAL SCORE	-3.603	5.4079	0.76
HOL FEET AND LEGS	GBR OVERALL FEET & LEG	-1.797	3.9389	
HOL MAMMARY SYSTEM	GBR OVERALL UDDER SCORE	-3.253	4.7531	
HOL STATURE	GBR STATURE	-3.550	4.6743	
HOL CHEST WIDTH	GBR CHEST WIDTH	-1.366	4.5115	
HOL BODY DEPTH	GBR BODY DEPTH	-1.506	4.2791	
HOL PIN WIDTH	GBR RUMP WIDTH	-2.598	4.6357	
HOL RUMP ANGLE	GBR RUMP ANGLE	0.161	4.2693	
HOL FOOT ANGLE	GBR FOOT ANGLE	-0.571	3.8444	
HOL REAR LEGS SIDE VIEW	GBR REAR LEG SET	0.667	3.7420	
HOL REAR LEG REAR VIEW	GBR REAR LEG REAR VIEW	-0.604	2.2288	
HOL UDDER DEPTH	GBR UDDER DEPTH	-1.725	4.6724	
HOL MEDIAN SUSPENSORY	GBR MEDIAN SUSPENSORY	-2.533	4.0735	
HOL FORE ATTACHMENT	GBR FORE UDDER	-2.309	4.7117	
HOL TEAT PLACEMENT	GBR FRONT TEAT PLACEMENT	-1.065	4.5090	
HOL TEAT LENGTH	GBR TEAT LENGTH	-0.597	4.0668	
HOL REAR ATTACHMENT HEIGHT	GBR REAR UDDER HEIGHT	-3.265	4.2002	
HOL REAR TEAT PLACEMENT	GBR REAR TEAT PLACEMENT	-0.570	4.2309	
HOL ANGULARITY	GBR ANGULARITY	-3.223	4.9884	

 Conversion Factors For Type. Source = INTERBULL MACE 1212
 Converted Canadian Proof = A + (B* Foreign Proof)
 Converted Proof Reliability = TCORR2*Foreign Reliability

country2=HUN

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 v a l u e	b v a l u e	t c o r r e c t
HOL CONFORMATION	HUN OVERALL CONFORMATION	-5.495	4.7787	0.71
HOL FEET AND LEGS	HUN OVERALL FEET & LEG	-2.028	3.7400	
HOL MAMMARY SYSTEM	HUN OVERALL UDDER SCORE	-3.933	4.5725	
HOL STATURE	HUN STATURE	-5.663	5.1456	
HOL CHEST WIDTH	HUN CHEST WIDTH	-1.258	4.8108	
HOL BODY DEPTH	HUN BODY DEPTH	-2.155	3.8519	
HOL PIN WIDTH	HUN RUMP WIDTH	-3.544	4.6190	

HOL RUMP ANGLE	HUN RUMP ANGLE	0.407	5.6034
HOL FOOT ANGLE	HUN FOOT ANGLE	-0.520	5.1918
HOL REAR LEGS SIDE VIEW	HUN REAR LEG SET	-1.001	5.5202
HOL REAR LEG REAR VIEW	HUN REAR LEG REAR VIEW	-0.930	4.0809
HOL UDDER DEPTH	HUN UDDER DEPTH	-2.699	4.9682
HOL MEDIAN SUSPENSORY	HUN MEDIAN SUSPENSORY	-3.102	4.8972
HOL FORE ATTACHMENT	HUN FORE UDDER	-3.238	5.1868
HOL FRONT TEAT PLACEMENT	HUN FRONT TEAT PLACEMENT	-1.960	5.3638
HOL TEAT LENGTH	HUN TEAT LENGTH	0.661	5.3739
HOL REAR ATTACHMENT HEIGHT	HUN REAR UDDER HEIGHT	-4.691	5.0262
HOL ANGULARITY	HUN ANGULARITY	-5.788	5.6690

Conversion Factors For Type. Source = INTERBULL MACE 1212
 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	-7.500	4.5257	0.52
HOL FEET AND LEGS	IRL OVERALL FEET & LEG	-2.639	3.5078	
HOL MAMMARY SYSTEM	IRL OVERALL UDDER SCORE	-5.418	4.5264	
HOL STATURE	IRL STATURE	-6.887	5.9725	
HOL CHEST WIDTH	IRL CHEST WIDTH	-0.761	3.7000	
HOL BODY DEPTH	IRL BODY DEPTH	-2.208	3.9872	
HOL PIN WIDTH	IRL RUMP WIDTH	-3.567	2.6858	
HOL RUMP ANGLE	IRL RUMP ANGLE	-0.000	3.3384	
HOL FOOT ANGLE	IRL FOOT ANGLE	-1.694	3.2328	
HOL REAR LEGS SIDE VIEW	IRL REAR LEG SET	0.210	3.1113	
HOL REAR LEG REAR VIEW	IRL REAR LEG REAR VIEW	-1.037	2.5457	
HOL UDDER DEPTH	IRL UDDER DEPTH	-2.974	4.2050	
HOL MEDIAN SUSPENSORY	IRL MEDIAN SUSPENSORY	-4.623	4.4950	
HOL FORE ATTACHMENT	IRL FORE UDDER	-3.629	4.4477	
HOL TEAT PLACEMENT	IRL FRONT TEAT PLACEMENT	-2.756	4.0975	
HOL TEAT LENGTH	IRL TEAT LENGTH	-0.406	3.2671	
HOL REAR ATTACHMENT HEIGHT	IRL REAR UDDER HEIGHT	-5.605	3.8787	
HOL REAR TEAT PLACEMENT	IRL REAR TEAT PLACEMENT	-3.179	4.3741	
HOL ANGULARITY	IRL ANGULARITY	-7.690	7.0979	

Conversion Factors For Type. Source = INTERBULL MACE 1212
 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	-4.452	5.5360	0.76
HOL FEET AND LEGS	ITA OVERALL FEET & LEG	-2.023	3.3029	
HOL MAMMARY SYSTEM	ITA OVERALL UDDER SCORE	-3.389	4.5413	
HOL STATURE	ITA STATURE	-4.534	4.2474	
HOL CHEST WIDTH	ITA STRENGTH	-1.340	3.6467	
HOL BODY DEPTH	ITA BODY DEPTH	-2.234	3.1641	
HOL PIN WIDTH	ITA RUMP WIDTH	-3.025	3.7819	
HOL RUMP ANGLE	ITA RUMP ANGLE	0.087	3.7410	
HOL FOOT ANGLE	ITA FOOT ANGLE	-1.421	3.0481	
HOL REAR LEGS SIDE VIEW	ITA REAR LEG SET	-0.464	3.6179	
HOL REAR LEG REAR VIEW	ITA REAR LEG REAR VIEW	-0.660	2.6846	
HOL UDDER DEPTH	ITA UDDER DEPTH	-2.633	3.7454	
HOL MEDIAN SUSPENSORY	ITA MEDIAN SUSPENSORY	-2.010	3.2748	
HOL FORE ATTACHMENT	ITA FORE UDDER	-3.380	3.5646	
HOL FRONT TEAT PLACEMENT	ITA FRONT TEAT PLACEMENT	-1.565	3.6750	
HOL TEAT LENGTH	ITA TEAT LENGTH	-0.767	3.7704	
HOL REAR ATTACHMENT HEIGHT	ITA REAR UDDER HEIGHT	-3.537	3.1462	
HOL REAR TEAT PLACEMENT	ITA REAR TEAT PLACEMENT	-0.901	3.4900	
HOL ANGULARITY	ITA ANGULARITY	-4.367	4.0137	

Conversion Factors For Type. Source = INTERBULL MACE 1212
 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	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	JPN OVERALL CONFORMATION	-4.261	7.0008	0.76
HOL FEET AND LEGS	JPN OVERALL FEET & LEG	-1.831	8.6027	
HOL MAMMARY SYSTEM	JPN OVERALL UDDER SCORE	-3.523	7.0108	
HOL STATURE	JPN STATURE	-3.927	4.4785	
HOL CHEST WIDTH	JPN CHEST WIDTH	-1.603	3.8041	
HOL BODY DEPTH	JPN BODY DEPTH	-1.973	3.0465	
HOL PIN WIDTH	JPN RUMP WIDTH	-2.590	4.1117	
HOL RUMP ANGLE	JPN RUMP ANGLE	-0.066	3.9262	
HOL FOOT ANGLE	JPN FOOT ANGLE	-1.779	2.1495	
HOL REAR LEGS SIDE VIEW	JPN REAR LEG SET	0.696	3.6708	
HOL REAR LEG REAR VIEW	JPN REAR LEG REAR VIEW	-0.926	3.1180	
HOL UDDER DEPTH	JPN UDDER DEPTH	-2.407	4.1558	
HOL MEDIAN SUSPENSORY	JPN MEDIAN SUSPENSORY	-1.505	2.3746	
HOL FORE ATTACHMENT	JPN FORE UDDER	-3.089	3.4436	
HOL FRONT TEAT PLACEMENT	JPN FRONT TEAT PLACEMENT	-1.798	3.9060	
HOL TEAT LENGTH	JPN TEAT LENGTH	0.080	3.6680	
HOL REAR ATTACHMENT HEIGHT	JPN REAR UDDER HEIGHT	-3.335	3.6269	

HOL REAR TEAT PLACEMENT	JPN REAR TEAT PLACEMENT	-1.522	3.7785
HOL ANGULARITY	JPN ANGULARITY	-3.221	3.7165

Conversion Factors For Type. Source = INTERBULL MACE 1212
 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	-129.717	1.2410	0.62	
HOL FEET AND LEGS	NLD OVERALL FEET & LEG	-98.606	0.9669		
HOL MAMMARY SYSTEM	NLD OVERALL UDDER SCORE	-103.282	0.9805		
HOL STATURE	NLD STATURE	-120.498	1.1490		
HOL CHEST WIDTH	NLD CHEST WIDTH	-125.950	1.2391		
HOL BODY DEPTH	NLD BODY DEPTH	-103.871	1.0056		
HOL PIN WIDTH	NLD PIN WIDTH	-127.865	1.2355		
HOL RUMP ANGLE	NLD RUMP ANGLE	-118.189	1.2114		
HOL FOOT ANGLE	NLD CLAW DIAGONAL	-107.254	1.0572		
HOL REAR LEGS SIDE VIEW	NLD REAR LEG SET	-117.399	1.1631		
HOL REAR LEG REAR VIEW	NLD REAR LEG REAR VIEW	-117.304	1.1687		
HOL UDDER DEPTH	NLD UDDER DEPTH	-112.264	1.0856		
HOL MEDIAN SUSPENSORY	NLD MEDIAN SUSPENSORY	-111.941	1.0749		
HOL FORE ATTACHMENT	NLD FORE UDDER	-119.992	1.1570		
HOL FRONT TEAT PLACEMENT	NLD FRONT TEAT PLACEMENT	-120.657	1.1874		
HOL TEAT LENGTH	NLD TEAT LENGTH	-113.085	1.1362		
HOL REAR ATTACHMENT HEIGHT	NLD REAR UDDER HEIGHT	-98.883	0.9422		
HOL REAR TEAT PLACEMENT	NLD REAR TEAT PLACEMENT	-123.845	1.2178		
HOL ANGULARITY	NLD ANGULARITY	-111.857	1.0570		

Conversion Factors For Type. Source = INTERBULL MACE 1212
 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	-16.321	12.8891	0.46	
HOL MAMMARY SYSTEM	NZL OVERALL UDDER SCORE	-12.773	10.9238		
HOL STATURE	NZL STATURE	-24.208	10.8338		

HOL CHEST WIDTH	NZL CHEST WIDTH	-3.118	12.7252
HOL BODY DEPTH	NZL BODY DEPTH	-5.655	10.4701
HOL PIN WIDTH	NZL RUMP WIDTH	-14.277	17.5010
HOL RUMP ANGLE	NZL RUMP ANGLE	0.330	17.0772
HOL REAR LEGS SIDE VIEW	NZL REAR LEG SET	1.439	24.5017
HOL MEDIAN SUSPENSORY	NZL MEDIAN SUSPENSORY	-12.293	10.8233
HOL FORE ATTACHMENT	NZL FORE UDDER	-9.538	12.5403
HOL FRONT TEAT PLACEMENT	NZL FRONT TEAT PLACEMENT	-8.222	18.0649
HOL REAR ATTACHMENT HEIGHT	NZL REAR UDDER HEIGHT	-11.431	12.3643
HOL REAR TEAT PLACEMENT	NZL REAR TEAT PLACEMENT	-10.581	12.7986

Conversion Factors For Type. Source = INTERBULL MACE 1212
 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	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	POL OVERALL CONFORMATION	-66.995	0.5757	0.29	
HOL FEET AND LEGS	POL OVERALL FEET & LEG	-47.744	0.4292		
HOL MAMMARY SYSTEM	POL OVERALL UDDER SCORE	-61.312	0.5332		
HOL STATURE	POL STATURE	-76.351	0.6734		
HOL CHEST WIDTH	POL CHEST WIDTH	-44.418	0.4301		
HOL BODY DEPTH	POL BODY DEPTH	-42.756	0.4002		
HOL PIN WIDTH	POL RUMP WIDTH	-50.912	0.4689		
HOL RUMP ANGLE	POL RUMP ANGLE	-46.634	0.4699		
HOL FOOT ANGLE	POL FOOT ANGLE	-41.929	0.3913		
HOL REAR LEGS SIDE VIEW	POL REAR LEG SET	-42.944	0.4265		
HOL REAR LEG REAR VIEW	POL REAR LEG REAR VIEW	-39.315	0.3785		
HOL UDDER DEPTH	POL UDDER DEPTH	-56.746	0.5185		
HOL MEDIAN SUSPENSORY	POL MEDIAN SUSPENSORY	-52.847	0.4701		
HOL FORE ATTACHMENT	POL FORE UDDER	-50.252	0.4466		
HOL FRONT TEAT PLACEMENT	POL FRONT TEAT PLACEMENT	-59.115	0.5496		
HOL TEAT LENGTH	POL TEAT LENGTH	-44.708	0.4533		
HOL REAR ATTACHMENT HEIGHT	POL REAR UDDER HEIGHT	-60.051	0.5279		
HOL REAR TEAT PLACEMENT	POL REAR TEAT PLACEMENT	-52.990	0.5099		
HOL ANGULARITY	POL ANGULARITY	-80.405	0.7080		

Conversion Factors For Type. Source = INTERBULL MACE 1212
 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	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	USA PTA TYPE (FINAL SCORE)	-2.963	5.0650	0.77
HOL FEET AND LEGS	USA FEET & LEGS SCORE	-1.345	3.4644	
HOL MAMMARY SYSTEM	USA UDDER COMPOSITE	-1.378	4.4978	
HOL STATURE	USA STATURE	-3.072	4.1669	
HOL CHEST WIDTH	USA STRENGTH	-0.581	4.1935	
HOL BODY DEPTH	USA BODY DEPTH	-1.480	3.2266	
HOL PIN WIDTH	USA THURL WIDTH	-1.583	3.9925	
HOL RUMP ANGLE	USA RUMP ANGLE	-0.472	3.9845	
HOL FOOT ANGLE	USA FOOT ANGLE	-0.825	3.4141	
HOL REAR LEGS SIDE VIEW	USA REAR LEGS - SIDE VIEW	-0.109	3.8778	
HOL REAR LEG REAR VIEW	USA REAR LEGS - REAR VIEW	-0.343	2.9848	
HOL UDDER DEPTH	USA UDDER DEPTH	-1.305	3.7108	
HOL MEDIAN SUSPENSORY	USA UDDER CLEFT	-1.431	3.3199	
HOL FORE ATTACHMENT	USA FORE ATTACHMENT	-1.745	3.6899	
HOL FRONT TEAT PLACEMENT	USA FRONT TEAT PLACEMENT	-0.462	3.8238	
HOL TEAT LENGTH	USA TEAT LENGTH	-0.525	3.7790	
HOL REAR ATTACHMENT HEIGHT	USA REAR UDDER HEIGHT	-2.408	3.1757	
HOL REAR TEAT PLACEMENT	USA REAR TEAT PLACEMENT	-1.275	3.4002	
HOL ANGULARITY	USA DAIRY FORM	-3.722	4.2389	

Conversion Factors For Type. Source = INTERBULL MACE 1212
 Converted Canadian Proof = A + (B* Foreign Proof)
 Converted Proof Reliability = TCORR2*Foreign Reliability

country2=ZAF

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 STATURE	ZAF STATURE	-6.428	12.0657	
HOL CHEST WIDTH	ZAF CHEST WIDTH	0.017	19.1387	
HOL BODY DEPTH	ZAF BODY DEPTH	-2.210	16.5756	
HOL PIN WIDTH	ZAF RUMP WIDTH	-3.130	17.7061	
HOL RUMP ANGLE	ZAF RUMP ANGLE	0.162	12.9565	
HOL FOOT ANGLE	ZAF FOOT ANGLE	-1.829	18.6618	
HOL REAR LEGS SIDE VIEW	ZAF REAR LEG SET	0.128	25.2546	
HOL REAR LEG REAR VIEW	ZAF REAR LEG REAR VIEW	-0.785	16.0266	
HOL UDDER DEPTH	ZAF UDDER DEPTH	-3.026	13.6097	
HOL MEDIAN SUSPENSORY	ZAF MEDIAN SUSPENSORY	-3.200	14.6178	
HOL FORE ATTACHMENT	ZAF FORE UDDER	-3.377	14.7348	
HOL TEAT PLACEMENT	ZAF FRONT TEAT PLACEMENT	-1.334	15.5397	
HOL TEAT LENGTH	ZAF TEAT LENGTH	0.164	10.3100	
HOL REAR ATTACHMENT HEIGHT	ZAF REAR UDDER HEIGHT	-5.010	16.7668	
HOL ANGULARITY	ZAF ANGULARITY	-6.619	16.4664	

CALCULATION OF FAT% AND PROTEIN% FOR DECEMBER 2012

BREED	BMILK	BFAT	BPRT
-----	-----	-----	-----
AYS	7368	298	248
BSW	8065	330	281
CN	5833	249	205
GUE	6707	299	228
JER	6337	312	242
HOL	9670	364	310
MS	6794	247	224

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

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

EXAMPLE :

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

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

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