Conversion Factors For Production Traits. Source: INTERBULL 1012
Converted Canadian Proof = A + (B* Foreign Proof)
Converted Proof Reliability = PCORR2*Foreign Reliability

breed	country2	amilk	bmilk	afat	bfat	aprot	bprot	pcorr2
HOL	AUS	-241.47	1.4403	13.557	1.2868	4.717	1.6008	0.5776
HOL	BEL	-321.11	1.4616	-3.054	1.3482	-0.245	1.3676	0.7225
HOL	CHE	-482.57	1.4427	0.352	1.3745	-7.493	1.4338	0.8281
HOL	CHR	-1275.44	1.3455	-18.697	1.2556	-26.488	1.3373	0.7396
HOL	CZE	425.36	1.2407	15.516	1.1477	20.160	1.1181	0.7225
HOL	DEU	-136.76	1.2647	10.441	1.1853	5.830	1.2242	0.7921
HOL	DFS	-6069.61	64.5212	-232.215	2.5726	-157.106	1.8083	0.8464
HOL	ESP	207.33	1.4506	9.523	1.3270	10.020	1.3762	0.7921
HOL	EST	-373.40	1.1671	6.112	1.1953	0.845	1.1161	0.7396
HOL	FRA	268.73	1.1182	16.614	1.0584	18.877	1.1086	0.8100
HOL	FRR	-984.56	1.0771	-4.322	1.1665	-11.449	1.0828	0.7569
HOL	GBR	-27.90	2.7778	9.941	2.9660	5.234	2.9508	0.7569
HOL	HUN	123.82	1.1086	7.141	1.1905	7.432	1.0391	0.7396
HOL	IRL	-1096.73	4.4715	-18.992	4.4578	-19.247	4.3317	0.5625
HOL	ISR	281.62	1.8955	35.087	1.9217	19.904	2.1525	0.6400
HOL	ITA	87.90	1.2187	5.601	1.1414	6.783	1.0974	0.8100
HOL	JPN	481.03	1.0048	17.399	1.0883	16.302	1.0786	0.7225
HOL	LTU	-1259.21	2.4635	-7.897	1.9169	-19.830	1.9275	0.7569
HOL	LVA	-1398.18	2.1212	-7.885	1.4265	-23.142	1.9175	0.7396
HOL	NLD	294.93	1.1795	29.576	1.1112	26.954	1.1540	0.8281
HOL	NZL	-1930.23	2.2063	-7.417	1.7347	-28.162	1.9448	0.5625
HOL	POL	-182.53	1.9582	9.002	1.8372	3.125	2.0305	0.7225
HOL	SVK	-314.37	1.6306	-7.118	1.7386	-3.223	1.7349	0.7225
HOL	SVN	-376.36	3.8096	-5.201	3.6652	-7.106	3.6474	0.7396
HOL	USA	427.18	1.0310	9.466	1.0539	12.918	1.0994	0.8464
HOL	ZAF	-17.67	1.7915	5.456	1.6029	3.534	1.7152	0.7225

Conversion Factors For SCS Traits. Source: INTERBULL 1012
Converted Canadian Proof = A + (B* Foreign Proof)
Converted Proof Reliability = SCORR2*Foreign Reliability

breed	country2	a	b	scorr2
HOL	AUS	3.8191	-0.0075	0.7056
HOL	BEL	1.4444	0.5126	0.8281
HOL	CHE	5.1183	-0.0216	0.8100
HOL	CHR	5.1770	-0.0227	0.7225
HOL	CZE	4.5180	-0.0149	0.7225
HOL	DEU	2.9598	0.5072	0.8281
HOL	DFS	5.0338	-0.0211	0.8281
HOL	ESP	5.1713	-0.0219	0.8464
HOL	EST	4.8156	-0.0178	0.7569
HOL	FRA	2.9983	-0.2063	0.8649
HOL	FRR	2.9446	-0.2261	0.8464
HOL	GBR	2.9802	0.0193	0.8649
HOL	HUN	2.9254	0.1880	0.7921
HOL	IRL	2.9545	2.1323	0.7569
HOL	ISR	2.9081	0.9553	0.7569
HOL	ITA	7.0277	-0.0406	0.8281

HOL	JPN	1.6992	0.5704	0.7744
HOL	LTU	2.9539	0.6460	0.7396
HOL	NLD	8.2029	-0.0518	0.8464
HOL	NZL	3.0450	0.5300	0.6561
HOL	POL	5.1143	-0.0221	0.8100
HOL	SVK	1.2885	0.5792	0.7396
HOL	USA	-0.3047	1.0998	0.9025
HOL	ZAF	2.9877	0.0911	0.7921

Conversion Factors For Type. Source = INTERBULL MACE 1012
Converted Canadian Proof = A + (B* Foreign Proof)
Converted Proof Reliability = TCORR2*Foreign Reliability

country2=AUS

breed	cantrait	country2	fortrait	avalue	bvalue	tcor2
HOL	CONFORMATION	AUS	GENERAL APPEARANCE	-64.918	0.596	0.34
HOL	FEET AND LEGS	AUS	OVERALL FEET & LEG	-19.639	0.156	
HOL	MAMMARY SYSTEM	AUS	OVERALL UDDER SCORE	-69.262	0.654	
HOL	STATURE	AUS	STATURE	-48.881	0.444	
HOL	CHEST WIDTH	AUS	CHEST WIDTH	-52.877	0.526	
HOL	BODY DEPTH	AUS	BODY DEPTH	-57.689	0.570	
HOL	PIN WIDTH	AUS	PIN WIDTH	-54.545	0.528	
HOL	RUMP ANGLE	AUS	RUMP ANGLE	-45.189	0.463	
HOL	FOOT ANGLE	AUS	FOOT ANGLE	-56.671	0.542	
HOL	REAR LEGS SIDE VIEW	AUS	REAR LEG SET	-78.518	0.792	
HOL	REAR LEG REAR VIEW	AUS	REAR LEG REAR VIEW	-58.832	0.571	
HOL	UDDER DEPTH	AUS	UDDER DEPTH	-49.387	0.463	
HOL	MEDIAN SUSPENSORY	AUS	MEDIAN SUSPENSORY	-69.249	0.660	
HOL	FORE ATTACHMENT	AUS	FORE UDDER	-63.576	0.610	
HOL	FRONT TEAT PLACEMENT	AUS	FRONT TEAT PLACEMENT	-49.358	0.483	
HOL	TEAT LENGTH	AUS	TEAT LENGTH	-39.053	0.384	
HOL	REAR ATTACHMENT HEIGHT	AUS	REAR UDDER HEIGHT	-66.051	0.626	
HOL	REAR TEAT PLACEMENT	AUS	REAR TEAT PLACEMENT	-56.329	0.554	
HOL	ANGULARITY	AUS	ANGULARITY	-54.311	0.506	

Conversion Factors For Type. Source = INTERBULL MACE 1012
Converted Canadian Proof = A + (B* Foreign Proof)
Converted Proof Reliability = TCORR2*Foreign Reliability

country2=BEL

breea	cantrait	country2	fortrait	avalu	bvalu	tcor

breed	trait	country2	trait	value	value	tcorr2
HOL	CONFORMATION	BEL	CONFORMATION	-1.410	3.244	0.59
HOL	FEET AND LEGS	BEL	OVERALL FEET & LEG	0.289	2.535	
HOL	MAMMARY SYSTEM	BEL	OVERALL UDDER SCORE	-1.109	3.311	
HOL	STATURE	BEL	STATURE	-1.709	4.470	
HOL	CHEST WIDTH	BEL	CHEST WIDTH	0.104	3.131	
HOL	BODY DEPTH	BEL	BODY DEPTH	-0.938	3.443	
HOL	PIN WIDTH	BEL	RUMP WIDTH	-0.302	3.636	
HOL	RUMP ANGLE	BEL	RUMP ANGLE	1.088	3.527	
HOL	FOOT ANGLE	BEL	FOOT ANGLE	0.438	2.749	
HOL	REAR LEGS SIDE VIEW	BEL	REAR LEG SET	-0.966	3.035	
HOL	REAR LEG REAR VIEW	BEL	REAR LEG REAR VIEW	1.142	2.710	
HOL	UDDER DEPTH	BEL	UDDER DEPTH	-1.005	3.995	
HOL	MEDIAN SUSPENSORY	BEL	MEDIAN SUSPENSORY	-0.941	3.068	
HOL	FORE ATTACHMENT	BEL	FORE UDDER	-1.302	2.933	
HOL	TEAT PLACEMENT	BEL	FRONT TEAT PLACEMENT	-0.614	3.696	
HOL	TEAT LENGTH	BEL	TEAT LENGTH	-0.150	3.637	
HOL	REAR ATTACHMENT HEIGHT	BEL	REAR UDDER HEIGHT	-1.859	4.122	
HOL	REAR TEAT PLACEMENT	BEL	REAR TEAT PLACEMENT	-1.309	4.199	
HOL	ANGULARITY	BEL	ANGULARITY	-2.021	4.289	

Conversion Factors For Type. Source = INTERBULL MACE 1012
Converted Canadian Proof = A + (B* Foreign Proof)
Converted Proof Reliability = TCORR2*Foreign Reliability

country2=CHE

breed	trait	country2	trait	value	value	tcorr2
HOL	CONFORMATION	CHE	FINAL SCORE	-38.077	0.368	0.85
HOL	FEET AND LEGS	CHE	OVERALL FEET & LEG	-0.094	4.925	
HOL	MAMMARY SYSTEM	CHE	OVERALL UDDER SCORE	-1.078	4.527	
HOL	STATURE	CHE	STATURE	-1.797	5.003	
HOL	CHEST WIDTH	CHE	CHEST WIDTH	0.444	4.967	
HOL	BODY DEPTH	CHE	BODY DEPTH	-0.814	3.780	
HOL	PIN WIDTH	CHE	RUMP WIDTH	-0.592	5.269	
HOL	RUMP ANGLE	CHE	RUMP ANGLE	0.349	6.114	
HOL	FOOT ANGLE	CHE	FOOT ANGLE	-0.499	3.636	
HOL	REAR LEGS SIDE VIEW	CHE	REAR LEG SET	0.063	4.449	
HOL	REAR LEG REAR VIEW	CHE	REAR LEG REAR VIEW	-0.900	3.669	
HOL	UDDER DEPTH	CHE	UDDER DEPTH	0.455	4.528	
HOL	MEDIAN SUSPENSORY	CHE	MEDIAN SUSPENSORY	-1.186	4.646	
HOL	FORE ATTACHMENT	CHE	FORE UDDER	-1.045	4.721	
HOL	FRONT TEAT PLACEMENT	CHE	FRONT TEAT PLACEMENT	-0.574	5.142	
HOL	TEAT LENGTH	CHE	TEAT LENGTH	-1.439	5.287	
HOL	REAR ATTACHMENT HEIGHT	CHE	REAR UDDER HEIGHT	-2.182	4.743	
HOL	REAR TEAT PLACEMENT	CHE	REAR TEAT PLACEMENT	-1.223	6.003	
HOL	ANGULARITY	CHE	ANGULARITY	-3.030	4.491	

Conversion Factors For Type. Source = INTERBULL MACE 1012
Converted Canadian Proof = A + (B* Foreign Proof)
Converted Proof Reliability = TCORR2*Foreign Reliability

country2=CHR

breed	canTrait	country2	foreTrait	avalue	bvalue	tcorr2
HOL	CONFORMATION	CHR	OVERALL SCORE	-76.782	0.708	0.79
HOL	FEET AND LEGS	CHR	OVERALL FEET & LEG	-52.136	0.509	
HOL	MAMMARY SYSTEM	CHR	OVERALL UDDER SCORE	-64.007	0.577	
HOL	STATURE	CHR	STATURE	-45.953	0.369	
HOL	CHEST WIDTH	CHR	CHEST WIDTH	-38.642	0.418	
HOL	BODY DEPTH	CHR	BODY DEPTH	-56.048	0.516	
HOL	PIN WIDTH	CHR	RUMP WIDTH	-30.023	0.256	
HOL	RUMP ANGLE	CHR	RUMP ANGLE	-41.566	0.423	
HOL	FOOT ANGLE	CHR	FOOT ANGLE	-38.447	0.378	
HOL	REAR LEGS SIDE VIEW	CHR	REAR LEG SET	-51.535	0.509	
HOL	REAR LEG REAR VIEW	CHR	REAR LEG REAR VIEW	-35.312	0.367	
HOL	UDDER DEPTH	CHR	UDDER DEPTH	-44.188	0.440	
HOL	MEDIAN SUSPENSORY	CHR	MEDIAN SUSPENSORY	-58.712	0.528	
HOL	FORE ATTACHMENT	CHR	FORE UDDER	-44.457	0.432	
HOL	FRONT TEAT PLACEMENT	CHR	FRONT TEAT PLACEMENT	-46.560	0.430	
HOL	TEAT LENGTH	CHR	TEAT LENGTH	-54.198	0.508	
HOL	REAR ATTACHMENT HEIGHT	CHR	REAR UDDER HEIGHT	-58.849	0.528	

Conversion Factors For Type. Source = INTERBULL MACE 1012
Converted Canadian Proof = A + (B* Foreign Proof)
Converted Proof Reliability = TCORR2*Foreign Reliability

country2=CZE

breed	canTrait	country2	foreTrait	avalue	bvalue	tcorr2
HOL	CONFORMATION	CZE	OVERALL SCORE	-32.974	0.292	0.64
HOL	FEET AND LEGS	CZE	OVERALL FEET & LEG	-33.435	0.315	
HOL	MAMMARY SYSTEM	CZE	OVERALL UDDER SCORE	-32.116	0.291	
HOL	STATURE	CZE	STATURE	-38.077	0.343	
HOL	CHEST WIDTH	CZE	CHEST WIDTH	-40.045	0.389	
HOL	BODY DEPTH	CZE	BODY DEPTH	-35.476	0.336	
HOL	PIN WIDTH	CZE	RUMP WIDTH	-40.581	0.391	
HOL	RUMP ANGLE	CZE	RUMP ANGLE	-43.089	0.436	

HOL	FOOT ANGLE	CZE	FOOT ANGLE	-32.789	0.327
HOL	REAR LEGS SIDE VIEW	CZE	REAR LEG SET	-35.014	0.341
HOL	REAR LEG REAR VIEW	CZE	REAR LEG REAR VIEW	-30.220	0.300
HOL	UDDER DEPTH	CZE	UDDER DEPTH	-39.830	0.372
HOL	MEDIAN SUSPENSORY	CZE	MEDIAN SUSPENSORY	-35.232	0.340
HOL	FORE ATTACHMENT	CZE	FORE UDDER	-36.343	0.343
HOL	FRONT TEAT PLACEMENT	CZE	FRONT TEAT PLACEMENT	-40.067	0.395
HOL	TEAT LENGTH	CZE	TEAT LENGTH	-37.341	0.375
HOL	REAR ATTACHMENT HEIGHT	CZE	REAR UDDER HEIGHT	-35.014	0.322
HOL	REAR TEAT PLACEMENT	CZE	REAR TEAT PLACEMENT	-38.290	0.373
HOL	ANGULARITY	CZE	ANGULARITY	-33.477	0.308

Conversion Factors For Type. Source = INTERBULL MACE 1012
Converted Canadian Proof = A + (B* Foreign Proof)
Converted Proof Reliability = TCORR2*Foreign Reliability

country2=DEU

breed	canrait	country2	forrait		avalue	bvalue	tcor2
HOL	CONFORMATION	DEU	OVERALL TYPE (RZE)	-37.956	0.357		0.71
HOL	FEET AND LEGS	DEU	OVERALL FEET & LEG	-55.900	0.555		
HOL	MAMMARY SYSTEM	DEU	OVERALL UDDER SCORE	-43.574	0.415		
HOL	STATURE	DEU	STATURE	-46.054	0.438		
HOL	CHEST WIDTH	DEU	CHEST WIDTH	-45.454	0.443		
HOL	BODY DEPTH	DEU	BODY DEPTH	-46.236	0.448		
HOL	PIN WIDTH	DEU	RUMP WIDTH	-47.760	0.464		
HOL	RUMP ANGLE	DEU	RUMP ANGLE	-46.264	0.465		
HOL	FOOT ANGLE	DEU	FOOT ANGLE	-46.572	0.468		
HOL	REAR LEGS SIDE VIEW	DEU	REAR LEG SET	-48.506	0.482		
HOL	REAR LEG REAR VIEW	DEU	REAR LEG REAR VIEW	-50.628	0.510		
HOL	UDDER DEPTH	DEU	UDDER DEPTH	-43.733	0.419		
HOL	MEDIAN SUSPENSORY	DEU	MEDIAN SUSPENSORY	-45.118	0.445		
HOL	FORE ATTACHMENT	DEU	FORE UDDER	-43.542	0.417		
HOL	FRONT TEAT PLACEMENT	DEU	FRONT TEAT PLACEMENT	-42.193	0.422		
HOL	TEAT LENGTH	DEU	TEAT LENGTH	-44.959	0.440		
HOL	REAR ATTACHMENT HEIGHT	DEU	REAR UDDER HEIGHT	-48.426	0.461		
HOL	REAR TEAT PLACEMENT	DEU	REAR TEAT PLACEMENT	-48.663	0.489		
HOL	ANGULARITY	DEU	ANGULARITY	-43.994	0.426		

Conversion Factors For Type. Source = INTERBULL MACE 1012
Converted Canadian Proof = A + (B* Foreign Proof)
Converted Proof Reliability = TCORR2*Foreign Reliability

country2=DFS

canrait	country2	forrait	avalue	bvalue	tcor2

breed	trait	ntry2	trait	value	value	corr2
HOL	CONFORMATION	DFS	OVERALL CONFORMATION	-39.516	0.343	0.58
HOL	FEET AND LEGS	DFS	OVERALL FEET & LEG	-39.345	0.396	
HOL	MAMMARY SYSTEM	DFS	OVERALL UDDER SCORE	-39.995	0.379	
HOL	STATURE	DFS	STATURE	-49.637	0.453	
HOL	CHEST WIDTH	DFS	CHEST WIDTH	-48.113	0.458	
HOL	BODY DEPTH	DFS	BODY DEPTH	-51.688	0.479	
HOL	PIN WIDTH	DFS	RUMP WIDTH	-44.262	0.418	
HOL	RUMP ANGLE	DFS	RUMP ANGLE	-47.678	0.486	
HOL	FOOT ANGLE	DFS	FOOT ANGLE	-42.482	0.428	
HOL	REAR LEGS SIDE VIEW	DFS	REAR LEG SET	-46.276	0.454	
HOL	REAR LEG REAR VIEW	DFS	REAR LEG REAR VIEW	-42.840	0.426	
HOL	UDDER DEPTH	DFS	UDDER DEPTH	-47.064	0.461	
HOL	MEDIAN SUSPENSORY	DFS	MEDIAN SUSPENSORY	-41.878	0.401	
HOL	FORE ATTACHMENT	DFS	FORE UDDER	-45.918	0.437	
HOL	FRONT TEAT PLACEMENT	DFS	FRONT TEAT PLACEMENT	-47.843	0.474	
HOL	TEAT LENGTH	DFS	TEAT LENGTH	-54.419	0.536	
HOL	REAR ATTACHMENT HEIGHT	DFS	REAR UDDER HEIGHT	-43.278	0.405	
HOL	REAR TEAT PLACEMENT	DFS	REAR TEAT PLACEMENT	-52.349	0.514	
HOL	ANGULARITY	DFS	DAIRY FORM	-49.584	0.451	

Conversion Factors For Type. Source = INTERBULL MACE 1012
Converted Canadian Proof = A + (B* Foreign Proof)
Converted Proof Reliability = TCORR2*Foreign Reliability

country2=ESP

breed	canntrait	country2	forntrait	avalue	bvalue	tcorr2
HOL	CONFORMATION	ESP	FINAL CLASS	-1.073	5.086	0.69
HOL	FEET AND LEGS	ESP	OVERALL FEET & LEG	0.093	4.960	
HOL	MAMMARY SYSTEM	ESP	OVERALL UDDER SCORE	-0.528	4.650	
HOL	STATURE	ESP	STATURE	-1.990	5.476	
HOL	CHEST WIDTH	ESP	CHEST WIDTH	-0.122	4.997	
HOL	BODY DEPTH	ESP	BODY DEPTH	-1.211	4.821	
HOL	PIN WIDTH	ESP	PIN WIDTH	-0.022	4.916	
HOL	RUMP ANGLE	ESP	RUMP ANGLE	0.353	5.008	
HOL	FOOT ANGLE	ESP	FOOT ANGLE	0.475	5.084	
HOL	REAR LEGS SIDE VIEW	ESP	REAR LEG SET	-1.248	4.967	
HOL	REAR LEG REAR VIEW	ESP	REAR LEG REAR VIEW	0.679	4.712	
HOL	UDDER DEPTH	ESP	UDDER DEPTH	-0.669	4.813	
HOL	MEDIAN SUSPENSORY	ESP	MEDIAN SUSPENSORY	-0.408	5.616	
HOL	FORE ATTACHMENT	ESP	FORE UDDER	-1.174	5.102	
HOL	FRONT TEAT PLACEMENT	ESP	FRONT TEAT PLACEMENT	-0.063	5.121	
HOL	TEAT LENGTH	ESP	TEAT LENGTH	-0.446	5.019	
HOL	REAR ATTACHMENT HEIGHT	ESP	REAR UDDER HEIGHT	-1.440	5.209	

HOL	REAR TEAT PLACEMENT	ESP	REAR TEAT PLACEMENT	-0.610	5.732	
HOL	ANGULARITY	ESP	ANGULARITY	-1.540	5.860	

Conversion Factors For Type. Source = INTERBULL MACE 1012
Converted Canadian Proof = A + (B* Foreign Proof)
Converted Proof Reliability = TCORR2*Foreign Reliability

country2=EST

breed	canait	country2	forait	avalue	bvalue	tcor2
HOL	CONFORMATION	EST	OVERALL CONFORMATION	-37.866	0.338	0.64
HOL	FEET AND LEGS	EST	OVERALL FEET & LEG	-27.328	0.267	
HOL	MAMMARY SYSTEM	EST	OVERALL UDDER SCORE	-37.245	0.336	
HOL	STATURE	EST	STATURE	-45.494	0.415	
HOL	CHEST WIDTH	EST	CHEST WIDTH	-37.537	0.371	
HOL	BODY DEPTH	EST	BODY DEPTH	-40.832	0.384	
HOL	PIN WIDTH	EST	RUMP WIDTH	-36.933	0.347	
HOL	RUMP ANGLE	EST	RUMP ANGLE	-41.082	0.421	
HOL	FOOT ANGLE	EST	FOOT ANGLE	-34.388	0.341	
HOL	REAR LEGS SIDE VIEW	EST	REAR LEG SET	-40.717	0.401	
HOL	REAR LEG REAR VIEW	EST	REAR LEG REAR VIEW	-29.235	0.297	
HOL	UDDER DEPTH	EST	UDDER DEPTH	-42.222	0.395	
HOL	MEDIAN SUSPENSORY	EST	MEDIAN SUSPENSORY	-34.741	0.330	
HOL	FORE ATTACHMENT	EST	FORE UDDER	-34.047	0.317	
HOL	FRONT TEAT PLACEMENT	EST	FRONT TEAT PLACEMENT	-42.922	0.411	
HOL	TEAT LENGTH	EST	TEAT LENGTH	-38.563	0.381	
HOL	REAR ATTACHMENT HEIGHT	EST	REAR UDDER HEIGHT	-29.739	0.262	
HOL	REAR TEAT PLACEMENT	EST	REAR TEAT PLACEMENT	-42.349	0.405	
HOL	ANGULARITY	EST	ANGULARITY	-18.913	0.165	

Conversion Factors For Type. Source = INTERBULL MACE 1012
Converted Canadian Proof = A + (B* Foreign Proof)
Converted Proof Reliability = TCORR2*Foreign Reliability

country2=FRA

breed	canait	country2	forait	avalue	bvalue	tcor2
HOL	CONFORMATION	FRA	OVERALL SCORE	-4.123	3.854	0.67
HOL	FEET AND LEGS	FRA	OVERALL FEET & LEG	-2.874	3.552	
HOL	MAMMARY SYSTEM	FRA	OVERALL UDDER SCORE	-2.974	4.446	

breed	cant trait	country2	for trait	a value	b value	tcorr2
HOL	STATURE	FRA	STATURE	-2.741	4.859	
HOL	CHEST WIDTH	FRA	CHEST DEPTH	-0.139	4.852	
HOL	BODY DEPTH	FRA	BODY DEPTH	-1.708	3.430	
HOL	PIN WIDTH	FRA	RUMP WIDTH	-1.659	4.652	
HOL	RUMP ANGLE	FRA	RUMP ANGLE	1.517	5.238	
HOL	FOOT ANGLE	FRA	HEEL DEPTH	-1.329	4.752	
HOL	REAR LEGS SIDE VIEW	FRA	REAR LEG SET	0.665	4.843	
HOL	REAR LEG REAR VIEW	FRA	REAR LEG REAR VIEW	-0.963	4.698	
HOL	UDDER DEPTH	FRA	UDDER DEPTH	-2.542	4.886	
HOL	MEDIAN SUSPENSORY	FRA	MEDIAN SUSPENSORY	-2.171	4.253	
HOL	FORE ATTACHMENT	FRA	FORE UDDER	-3.109	4.665	
HOL	FRONT TEAT PLACEMENT	FRA	FRONT TEAT PLACEMENT	-1.253	4.734	
HOL	TEAT LENGTH	FRA	TEAT LENGTH	0.067	5.473	
HOL	REAR ATTACHMENT HEIGHT	FRA	REAR UDDER HEIGHT	-3.637	4.781	
HOL	REAR TEAT PLACEMENT	FRA	REAR TEAT PLACEMENT	-1.348	5.406	
HOL	ANGULARITY	FRA	ANGULARITY	-2.318	4.901	

Conversion Factors For Type. Source = INTERBULL MACE 1012
Converted Canadian Proof = A + (B* Foreign Proof)
Converted Proof Reliability = TCORR2*Foreign Reliability

country2=FRR

breed	cant trait	country2	for trait	a value	b value	tcorr2
HOL	CONFORMATION	FRR	CONFORMATION	-47.700	0.396	0.49
HOL	MAMMARY SYSTEM	FRR	OVERALL UDDER SCORE	-52.469	0.458	
HOL	STATURE	FRR	STATURE	-47.335	0.400	
HOL	CHEST WIDTH	FRR	CHEST WIDTH	-83.223	0.825	
HOL	BODY DEPTH	FRR	BODY DEPTH	-41.672	0.388	
HOL	PIN WIDTH	FRR	RUMP WIDTH	-37.567	0.341	
HOL	RUMP ANGLE	FRR	RUMP ANGLE	-41.135	0.441	
HOL	FOOT ANGLE	FRR	FOOT ANGLE	-43.219	0.406	
HOL	REAR LEGS SIDE VIEW	FRR	REAR LEG SET	-37.980	0.375	
HOL	REAR LEG REAR VIEW	FRR	REAR LEG REAR VIEW	-36.381	0.342	
HOL	UDDER DEPTH	FRR	UDDER DEPTH	-60.028	0.562	
HOL	MEDIAN SUSPENSORY	FRR	MEDIAN SUSPENSORY	-47.119	0.398	
HOL	FORE ATTACHMENT	FRR	FORE UDDER	-45.515	0.398	
HOL	TEAT PLACEMENT	FRR	FRONT TEAT PLACEMENT	-60.548	0.554	
HOL	TEAT LENGTH	FRR	TEAT LENGTH	-43.851	0.417	
HOL	REAR ATTACHMENT HEIGHT	FRR	REAR UDDER HEIGHT	-52.012	0.451	
HOL	REAR TEAT PLACEMENT	FRR	REAR TEAT PLACEMENT	-55.924	0.482	
HOL	ANGULARITY	FRR	ANGULARITY	-51.325	0.426	

Conversion Factors For Type. Source = INTERBULL MACE 1012
Converted Canadian Proof = A + (B* Foreign Proof)
Converted Proof Reliability = TCORR2*Foreign Reliability

country2=GBR

breed	canTrait	country2	forTrait	avalue	bvalue	tcorr2
HOL	CONFORMATION	GBR	TOTAL SCORE	-1.989	4.198	0.55
HOL	FEET AND LEGS	GBR	OVERALL FEET & LEG	-0.959	3.772	
HOL	MAMMARY SYSTEM	GBR	OVERALL UDDER SCORE	-1.423	4.178	
HOL	STATURE	GBR	STATURE	-1.990	4.473	
HOL	CHEST WIDTH	GBR	CHEST WIDTH	-1.047	4.143	
HOL	BODY DEPTH	GBR	BODY DEPTH	-1.330	4.145	
HOL	PIN WIDTH	GBR	RUMP WIDTH	-1.391	4.331	
HOL	RUMP ANGLE	GBR	RUMP ANGLE	0.404	4.295	
HOL	FOOT ANGLE	GBR	FOOT ANGLE	-0.345	4.131	
HOL	REAR LEGS SIDE VIEW	GBR	REAR LEG SET	0.503	3.820	
HOL	REAR LEG REAR VIEW	GBR	REAR LEG REAR VIEW	-0.094	3.140	
HOL	UDDER DEPTH	GBR	UDDER DEPTH	-0.714	4.552	
HOL	MEDIAN SUSPENSORY	GBR	MEDIAN SUSPENSORY	-1.099	4.156	
HOL	FORE ATTACHMENT	GBR	FORE UDDER	-1.024	4.470	
HOL	TEAT PLACEMENT	GBR	FRONT TEAT PLACEMENT	-0.259	4.269	
HOL	TEAT LENGTH	GBR	TEAT LENGTH	-0.946	4.300	
HOL	REAR ATTACHMENT HEIGHT	GBR	REAR UDDER HEIGHT	-1.846	3.849	
HOL	REAR TEAT PLACEMENT	GBR	REAR TEAT PLACEMENT	0.010	4.244	
HOL	ANGULARITY	GBR	ANGULARITY	-1.552	4.274	

Conversion Factors For Type. Source = INTERBULL MACE 1012
Converted Canadian Proof = A + (B* Foreign Proof)
Converted Proof Reliability = TCORR2*Foreign Reliability

country2=HUN

breed	canTrait	country2	forTrait	avalue	bvalue	tcorr2
HOL	CONFORMATION	HUN	OVERALL CONFORMATION	-2.950	4.189	0.69
HOL	FEET AND LEGS	HUN	OVERALL FEET & LEG	-0.633	3.397	
HOL	MAMMARY SYSTEM	HUN	OVERALL UDDER SCORE	-1.297	4.091	
HOL	STATURE	HUN	STATURE	-4.169	5.176	
HOL	CHEST WIDTH	HUN	CHEST WIDTH	-0.899	4.771	
HOL	BODY DEPTH	HUN	BODY DEPTH	-2.323	3.875	
HOL	PIN WIDTH	HUN	RUMP WIDTH	-2.304	4.318	
HOL	RUMP ANGLE	HUN	RUMP ANGLE	0.672	5.632	
HOL	FOOT ANGLE	HUN	FOOT ANGLE	0.945	5.170	
HOL	REAR LEGS SIDE VIEW	HUN	REAR LEG SET	-0.987	5.679	
HOL	REAR LEG REAR VIEW	HUN	REAR LEG REAR VIEW	0.311	4.519	
HOL	UDDER DEPTH	HUN	UDDER DEPTH	-1.691	4.979	
HOL	MEDIAN SUSPENSORY	HUN	MEDIAN SUSPENSORY	-0.824	4.768	

HOL	FORE ATTACHMENT	HUN	FORE UDDER	-0.951	5.003
HOL	FRONT TEAT PLACEMENT	HUN	FRONT TEAT PLACEMENT	-0.611	5.233
HOL	TEAT LENGTH	HUN	TEAT LENGTH	0.412	5.651
HOL	REAR ATTACHMENT HEIGHT	HUN	REAR UDDER HEIGHT	-2.946	4.921
HOL	ANGULARITY	HUN	ANGULARITY	-3.273	4.993

Conversion Factors For Type. Source = INTERBULL MACE 1012
Converted Canadian Proof = A + (B* Foreign Proof)
Converted Proof Reliability = TCORR2*Foreign Reliability

country2=ITA

breed	canta	country2	foreta	avalue	bvalue	tcorr2
HOL	CONFORMATION	ITA	FINAL SCORE	-4.077	5.368	0.76
HOL	FEET AND LEGS	ITA	OVERALL FEET & LEG	-1.782	3.100	
HOL	MAMMARY SYSTEM	ITA	OVERALL UDDER SCORE	-3.177	4.599	
HOL	STATURE	ITA	STATURE	-4.345	4.205	
HOL	CHEST WIDTH	ITA	STRENGTH	-1.666	3.744	
HOL	BODY DEPTH	ITA	BODY DEPTH	-2.641	3.296	
HOL	PIN WIDTH	ITA	RUMP WIDTH	-3.085	3.847	
HOL	RUMP ANGLE	ITA	RUMP ANGLE	0.483	3.776	
HOL	FOOT ANGLE	ITA	FOOT ANGLE	-1.417	3.184	
HOL	REAR LEGS SIDE VIEW	ITA	REAR LEG SET	-0.692	3.702	
HOL	REAR LEG REAR VIEW	ITA	REAR LEG REAR VIEW	-0.699	2.542	
HOL	UDDER DEPTH	ITA	UDDER DEPTH	-2.326	3.693	
HOL	MEDIAN SUSPENSORY	ITA	MEDIAN SUSPENSORY	-1.722	3.430	
HOL	FORE ATTACHMENT	ITA	FORE UDDER	-3.065	3.432	
HOL	FRONT TEAT PLACEMENT	ITA	FRONT TEAT PLACEMENT	-1.737	3.659	
HOL	TEAT LENGTH	ITA	TEAT LENGTH	-1.250	4.003	
HOL	REAR ATTACHMENT HEIGHT	ITA	REAR UDDER HEIGHT	-3.441	3.140	
HOL	REAR TEAT PLACEMENT	ITA	REAR TEAT PLACEMENT	-0.671	3.365	
HOL	ANGULARITY	ITA	ANGULARITY	-3.959	3.943	

Conversion Factors For Type. Source = INTERBULL MACE 1012
Converted Canadian Proof = A + (B* Foreign Proof)
Converted Proof Reliability = TCORR2*Foreign Reliability

country2=JPN

breed	canta	country2	foreta	avalue	bvalue	tcorr2

HOL	CONFORMATION	JPN	OVERALL CONFORMATION	-2.693	7.089	0.79
HOL	FEET AND LEGS	JPN	OVERALL FEET & LEG	-0.199	8.348	
HOL	MAMMARY SYSTEM	JPN	OVERALL UDDER SCORE	-1.788	7.220	
HOL	STATURE	JPN	STATURE	-2.512	4.414	
HOL	CHEST WIDTH	JPN	CHEST WIDTH	-1.350	3.791	
HOL	BODY DEPTH	JPN	BODY DEPTH	-2.042	3.080	
HOL	PIN WIDTH	JPN	RUMP WIDTH	-1.493	3.885	
HOL	RUMP ANGLE	JPN	RUMP ANGLE	0.196	3.927	
HOL	FOOT ANGLE	JPN	FOOT ANGLE	0.630	1.808	
HOL	REAR LEGS SIDE VIEW	JPN	REAR LEG SET	0.294	3.591	
HOL	REAR LEG REAR VIEW	JPN	REAR LEG REAR VIEW	0.219	3.061	
HOL	UDDER DEPTH	JPN	UDDER DEPTH	-1.370	4.086	
HOL	MEDIAN SUSPENSORY	JPN	MEDIAN SUSPENSORY	-0.122	2.257	
HOL	FORE ATTACHMENT	JPN	FORE UDDER	-1.524	3.372	
HOL	FRONT TEAT PLACEMENT	JPN	FRONT TEAT PLACEMENT	-0.772	3.723	
HOL	TEAT LENGTH	JPN	TEAT LENGTH	-0.129	3.880	
HOL	REAR ATTACHMENT HEIGHT	JPN	REAR UDDER HEIGHT	-1.907	3.622	
HOL	REAR TEAT PLACEMENT	JPN	REAR TEAT PLACEMENT	-0.689	3.592	
HOL	ANGULARITY	JPN	ANGULARITY	-1.861	3.546	

Conversion Factors For Type. Source = INTERBULL MACE 1012
Converted Canadian Proof = A + (B* Foreign Proof)
Converted Proof Reliability = TCORR2*Foreign Reliability

country2=NLD

breed	canta	country2	foreta		avalue	bvalue	tcorr2
HOL	CONFORMATION	NLD	OVERALL CONFORMATION	-123.899	1.209	0.62	
HOL	FEET AND LEGS	NLD	OVERALL FEET & LEG	-92.141	0.920		
HOL	MAMMARY SYSTEM	NLD	OVERALL UDDER SCORE	-105.570	1.026		
HOL	STATURE	NLD	STATURE	-116.319	1.126		
HOL	CHEST WIDTH	NLD	CHEST WIDTH	-124.545	1.232		
HOL	BODY DEPTH	NLD	BODY DEPTH	-109.648	1.065		
HOL	PIN WIDTH	NLD	PIN WIDTH	-117.640	1.148		
HOL	RUMP ANGLE	NLD	RUMP ANGLE	-115.482	1.186		
HOL	FOOT ANGLE	NLD	CLAW DIAGONAL	-108.114	1.080		
HOL	REAR LEGS SIDE VIEW	NLD	REAR LEG SET	-112.518	1.112		
HOL	REAR LEG REAR VIEW	NLD	REAR LEG REAR VIEW	-110.873	1.116		
HOL	UDDER DEPTH	NLD	UDDER DEPTH	-109.464	1.071		
HOL	MEDIAN SUSPENSORY	NLD	MEDIAN SUSPENSORY	-117.115	1.142		
HOL	FORE ATTACHMENT	NLD	FORE UDDER	-115.720	1.134		
HOL	FRONT TEAT PLACEMENT	NLD	FRONT TEAT PLACEMENT	-117.438	1.165		
HOL	TEAT LENGTH	NLD	TEAT LENGTH	-115.956	1.160		
HOL	REAR ATTACHMENT HEIGHT	NLD	REAR UDDER HEIGHT	-96.511	0.937		
HOL	REAR TEAT PLACEMENT	NLD	REAR TEAT PLACEMENT	-120.829	1.196		
HOL	ANGULARITY	NLD	ANGULARITY	-111.619	1.079		

Conversion Factors For Type. Source = INTERBULL MACE 1012

Converted Canadian Proof = A + (B* Foreign Proof)
Converted Proof Reliability = TCORR2*Foreign Reliability

country2=NZL

breed	canrait	country2	forrait	avalue	bvalue	tcorr2
HOL	CONFORMATION	NZL	OVERALL CONFORMATION	-11.904	11.116	0.49
HOL	MAMMARY SYSTEM	NZL	OVERALL UDDER SCORE	-9.112	9.805	
HOL	STATURE	NZL	STATURE	-21.046	10.122	
HOL	CHEST WIDTH	NZL	CHEST WIDTH	-2.278	11.909	
HOL	BODY DEPTH	NZL	BODY DEPTH	-4.361	10.558	
HOL	PIN WIDTH	NZL	RUMP WIDTH	-11.699	15.918	
HOL	RUMP ANGLE	NZL	RUMP ANGLE	0.784	16.959	
HOL	REAR LEGS SIDE VIEW	NZL	REAR LEG SET	2.278	25.765	
HOL	MEDIAN SUSPENSORY	NZL	MEDIAN SUSPENSORY	-9.606	9.309	
HOL	FORE ATTACHMENT	NZL	FORE UDDER	-6.684	11.723	
HOL	FRONT TEAT PLACEMENT	NZL	FRONT TEAT PLACEMENT	-6.246	16.659	
HOL	REAR ATTACHMENT HEIGHT	NZL	REAR UDDER HEIGHT	-8.807	11.573	
HOL	REAR TEAT PLACEMENT	NZL	REAR TEAT PLACEMENT	-9.006	12.137	

Conversion Factors For Type. Source = INTERBULL MACE 1012
Converted Canadian Proof = A + (B* Foreign Proof)
Converted Proof Reliability = TCORR2*Foreign Reliability

country2=POL

breed	canrait	country2	forrait	avalue	bvalue	tcorr2
HOL	CONFORMATION	POL	OVERALL CONFORMATION	-58.822	0.515	0.30
HOL	FEET AND LEGS	POL	OVERALL FEET & LEG	-43.303	0.394	
HOL	MAMMARY SYSTEM	POL	OVERALL UDDER SCORE	-52.438	0.464	
HOL	STATURE	POL	STATURE	-73.754	0.656	
HOL	CHEST WIDTH	POL	CHEST WIDTH	-41.913	0.405	
HOL	BODY DEPTH	POL	BODY DEPTH	-40.042	0.375	
HOL	PIN WIDTH	POL	RUMP WIDTH	-45.708	0.425	
HOL	RUMP ANGLE	POL	RUMP ANGLE	-46.339	0.466	
HOL	FOOT ANGLE	POL	FOOT ANGLE	-41.094	0.390	
HOL	REAR LEGS SIDE VIEW	POL	REAR LEG SET	-41.267	0.412	
HOL	REAR LEG REAR VIEW	POL	REAR LEG REAR VIEW	-32.828	0.319	
HOL	UDDER DEPTH	POL	UDDER DEPTH	-54.601	0.500	
HOL	MEDIAN SUSPENSORY	POL	MEDIAN SUSPENSORY	-50.661	0.461	
HOL	FORE ATTACHMENT	POL	FORE UDDER	-45.577	0.414	
HOL	FRONT TEAT PLACEMENT	POL	FRONT TEAT PLACEMENT	-55.559	0.517	

HOL	TEAT LENGTH	POL	TEAT LENGTH	-45.140	0.455
HOL	REAR ATTACHMENT HEIGHT	POL	REAR UDDER HEIGHT	-55.749	0.495
HOL	REAR TEAT PLACEMENT	POL	REAR TEAT PLACEMENT	-51.841	0.502
HOL	ANGULARITY	POL	ANGULARITY	-71.152	0.637

Conversion Factors For Type. Source = INTERBULL MACE 1012
Converted Canadian Proof = A + (B* Foreign Proof)
Converted Proof Reliability = TCORR2*Foreign Reliability

country2=USA

breed	canait	country2	forait	avalue	bvalue	tcor2
HOL	CONFORMATION	USA	PTA TYPE (FINAL SCORE)	-1.685	5.297	0.77
HOL	FEET AND LEGS	USA	FEET & LEGS SCORE	-0.823	3.366	
HOL	MAMMARY SYSTEM	USA	UDDER COMPOSITE	0.192	4.641	
HOL	STATURE	USA	STATURE	-1.860	4.198	
HOL	CHEST WIDTH	USA	STRENGTH	-0.783	4.111	
HOL	BODY DEPTH	USA	BODY DEPTH	-1.837	3.410	
HOL	PIN WIDTH	USA	THURL WIDTH	-0.882	3.845	
HOL	RUMP ANGLE	USA	RUMP ANGLE	-0.165	3.976	
HOL	FOOT ANGLE	USA	FOOT ANGLE	-0.325	3.466	
HOL	REAR LEGS SIDE VIEW	USA	REAR LEGS - SIDE VIEW	-0.226	3.755	
HOL	REAR LEG REAR VIEW	USA	REAR LEGS - REAR VIEW	-0.187	2.988	
HOL	UDDER DEPTH	USA	UDDER DEPTH	-0.287	3.662	
HOL	MEDIAN SUSPENSORY	USA	UDDER CLEFT	0.172	3.567	
HOL	FORE ATTACHMENT	USA	FORE ATTACHMENT	-0.507	3.628	
HOL	FRONT TEAT PLACEMENT	USA	FRONT TEAT PLACEMENT	0.255	3.747	
HOL	TEAT LENGTH	USA	TEAT LENGTH	-0.908	3.906	
HOL	REAR ATTACHMENT HEIGHT	USA	REAR UDDER HEIGHT	-1.522	3.338	
HOL	REAR TEAT PLACEMENT	USA	REAR TEAT PLACEMENT	-0.300	3.356	
HOL	ANGULARITY	USA	DAIRY FORM	-2.246	4.105	

Conversion Factors For Type. Source = INTERBULL MACE 1012
Converted Canadian Proof = A + (B* Foreign Proof)
Converted Proof Reliability = TCORR2*Foreign Reliability

country2=ZAF

breed	canait	country2	forait	avalue	bvalue	tcor2
HOL	STATURE	ZAF	STATURE	-4.207	11.263	

HOL	CHEST WIDTH	ZAF	CHEST WIDTH	-0.111	16.851
HOL	BODY DEPTH	ZAF	BODY DEPTH	-2.513	15.473
HOL	PIN WIDTH	ZAF	RUMP WIDTH	-1.753	16.433
HOL	RUMP ANGLE	ZAF	RUMP ANGLE	0.465	12.872
HOL	FOOT ANGLE	ZAF	FOOT ANGLE	-0.772	18.637
HOL	REAR LEGS SIDE VIEW	ZAF	REAR LEG SET	0.043	23.737
HOL	REAR LEG REAR VIEW	ZAF	REAR LEG REAR VIEW	-0.098	15.930
HOL	UDDER DEPTH	ZAF	UDDER DEPTH	-2.084	13.761
HOL	MEDIAN SUSPENSORY	ZAF	MEDIAN SUSPENSORY	-1.052	16.255
HOL	FORE ATTACHMENT	ZAF	FORE UDDER	-1.499	13.910
HOL	TEAT PLACEMENT	ZAF	FRONT TEAT PLACEMENT	-0.371	15.005
HOL	TEAT LENGTH	ZAF	TEAT LENGTH	-0.315	10.036
HOL	REAR ATTACHMENT HEIGHT	ZAF	REAR UDDER HEIGHT	-3.527	17.011
HOL	ANGULARITY	ZAF	ANGULARITY	-2.682	13.090

CALCULATION OF FAT% AND PROTEIN% FOR DECEMBER 2010

BREED	BMILK	BFAT	BPRT
AYS	7230	290	243
BSW	7859	323	276
CN	5184	225	187
GUE	6713	308	234
JER	6217	303	237
HOL	9564	357	307
MS	6378	227	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

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EBVFAT% = 200 * [(357+50*.5)/(9564+1000*.5)-(357/9564)]
        = 200 * [(357+25)/(9564+500)-(0.03733)]
        = 200 * [ 0.03796 - 0.03733 ]
        = 200 * 0.00063
        = 0.13

EBVPRT% = 200 * [(307+40*.5)/(9564+1000*.5)-(307/9564)]
        = 200 * [(307+20)/(9564+500)-(0.03210)]
        = 200 * [ 0.03249 - 0.03210 ]
        = 200 * 0.00039
        = 0.08
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