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 Conversion Factors For Production Traits. Source: INTERBULL 2308
 Converted Canadian Proof = A + (B* Foreign Proof)
 Converted Proof Reliability = PCORR2*Foreign Reliability

breed	country2	amilk	bmilk	afat	bfat	aprot	bprot	pcorr2
AYS	AUS	-363.00	1.1920	-6.400	1.4310	-7.600	1.3480	0.3969
AYS	CAM	-464.14	1.1619	-25.811	0.8511	-13.460	1.4091	0.6241
AYS	DEU	587.10	0.8270	36.200	0.8270	28.600	0.8540	0.8100
AYS	DFS	-4491.60	53.4320	-158.200	2.0490	-111.300	1.5640	0.7744
AYS	EST	612.00	1.0170	22.400	1.0510	26.000	0.9940	0.6400
AYS	GBR	-465.80	1.9580	-22.000	2.3580	-14.700	2.3980	0.6400
AYS	IRL	472.12	2.8583	14.405	2.5953	20.085	2.5962	0.5476
AYS	LTU	-331.59	1.2203	-0.957	0.9640	0.280	1.1349	0.4356
AYS	LVA	269.50	1.6510	9.500	1.6580	12.100	1.7830	0.5184
AYS	NLD	1576.70	0.7025	63.829	0.7353	58.418	0.6164	0.7569
AYS	NOR	-3274.10	39.8870	-135.200	1.6280	-91.300	1.2410	0.6724
AYS	NZL	-331.40	1.2910	12.700	1.1960	3.000	1.2350	0.3249
AYS	USA	-320.30	0.8070	-19.200	0.8880	-12.900	0.8640	0.7921
AYS	ZAF	-230.52	0.8271	-9.090	0.8720	-4.905	0.8188	0.5776

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 Conversion Factors For SCS Traits. Source: INTERBULL 2308
 Converted Canadian Proof = A + (B* Foreign Proof)
 Converted Proof Reliability = SCORR2*Foreign Reliability

breed	country2	a	b	scorr2
AYS	AUS	94.500	-17.8790	0.6561
AYS	CAM	10.583	0.8561	0.7921
AYS	DEU	58.500	0.3930	0.8836
AYS	DFS	57.200	0.4290	0.8836
AYS	EST	69.800	0.2880	0.7921
AYS	GBR	99.200	-0.4790	0.8836
AYS	LTU	98.146	-13.3087	0.6724
AYS	LVA	98.100	-0.0120	0.7396
AYS	NLD	-36.501	1.3976	0.8281
AYS	NOR	62.900	0.3650	0.7396
AYS	NZL	94.100	-11.1770	0.5776
AYS	USA	175.900	-25.7030	0.8464
AYS	ZAF	99.610	-0.1965	0.6889

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 Conversion Factors For Type. Source = INTERBULL MACE 2308
 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 t

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

AYS	CONFORMATION	AUS	CONFORMATION	-6.431	2.7212	0.4
AYS	FEET AND LEGS	AUS	OVERALL FEET & LEG	-4.448	2.6203	
AYS	MAMMARY SYSTEM	AUS	OVERALL UDDER SCORE	-6.480	2.6492	
AYS	STATURE	AUS	STATURE	-5.728	8.2803	
AYS	CHEST WIDTH	AUS	CHEST WIDTH	0.846	12.3942	
AYS	BODY DEPTH	AUS	BODY DEPTH	-1.092	9.5496	
AYS	PIN WIDTH	AUS	RUMP WIDTH	-4.217	11.1261	
AYS	RUMP ANGLE	AUS	RUMP ANGLE	-3.313	12.3399	
AYS	FOOT ANGLE	AUS	FOOT ANGLE	-3.767	14.2346	
AYS	REAR LEGS SIDE VIEW	AUS	REAR LEG SET	5.223	19.9239	
AYS	REAR LEG REAR VIEW	AUS	REAR LEG REAR VIEW	-4.908	19.1251	
AYS	UDDER DEPTH	AUS	UDDER DEPTH	-5.273	9.2923	
AYS	MEDIAN SUSPENSORY	AUS	MEDIAN SUSPENSORY	-4.403	12.9768	
AYS	FORE ATTACHMENT	AUS	FORE UDDER	-5.198	11.1202	
AYS	TEAT PLACEMENT	AUS	FRONT TEAT PLACEMENT	-0.754	9.9232	
AYS	TEAT LENGTH	AUS	TEAT LENGTH	3.907	8.1380	
AYS	REAR ATTACHMENT HEIGHT	AUS	REAR UDDER HEIGHT	-8.182	9.3875	
AYS	REAR TEAT PLACEMENT	AUS	REAR TEAT PLACEMENT	-1.921	13.4795	
AYS	ANGULARITY	AUS	ANGULARITY	-7.347	9.5353	

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 Conversion Factors For Type. Source = INTERBULL MACE 2308
 Converted Canadian Proof = A + (B* Foreign Proof)
 Converted Proof Reliability = TCORR2*Foreign Reliability

country2=CAM

	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
AYS	CONFORMATION		CAM CONFORMATION	-8.488	0.5769	0.5
8						
AYS	FEET AND LEGS		CAM OVERALL FEET & LEG	-5.476	0.4889	
AYS	MAMMARY SYSTEM		CAM OVERALL UDDER SCORE	-9.285	0.6741	
AYS	STATURE		CAM STATURE	-5.389	0.9231	
AYS	CHEST WIDTH		CAM CHEST WIDTH	-1.463	0.8197	
AYS	BODY DEPTH		CAM BODY DEPTH	-3.248	0.8522	
AYS	PIN WIDTH		CAM RUMP WIDTH	-4.439	0.8087	
AYS	RUMP ANGLE		CAM RUMP ANGLE	-0.300	0.9573	
AYS	FOOT ANGLE		CAM FOOT ANGLE	-3.240	0.6540	
AYS	REAR LEGS SIDE VIEW		CAM REAR LEG SET	4.086	0.7837	
AYS	REAR LEG REAR VIEW		CAM REAR LEG REAR VIEW	-5.403	0.6857	
AYS	UDDER DEPTH		CAM UDDER DEPTH	-4.416	1.1617	
AYS	MEDIAN SUSPENSORY		CAM MEDIAN SUSPENSORY	-5.803	0.7536	
AYS	FORE ATTACHMENT		CAM FORE UDDER	-7.673	0.6758	
AYS	TEAT PLACEMENT		CAM FRONT TEAT PLACEMENT	-3.665	0.7971	
AYS	TEAT LENGTH		CAM TEAT LENGTH	3.193	0.6289	
AYS	REAR ATTACHMENT HEIGHT		CAM REAR UDDER HEIGHT	-8.701	0.7616	
AYS	REAR TEAT PLACEMENT		CAM REAR TEAT PLACEMENT	-2.745	0.8761	
AYS	ANGULARITY		CAM ANGULARITY	-9.760	0.7112	

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Conversion Factors For Type. Source = INTERBULL MACE 2308
Converted Canadian Proof = A + (B* Foreign Proof)
Converted Proof Reliability = TCORR2*Foreign Reliability

country2=DEU

b r e e d	c a n t r y 2	c o u n t r y 2	f o r e i g n c o u n t r y 2	a v e r a g e	b v a r i a n c e	t c o r r e c t i o n
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AYS	FEET AND LEGS	DEU	OVERALL FEET & LEG	-21.806	0.2090
AYS	MAMMARY SYSTEM	DEU	OVERALL UDDER SCORE	-30.274	0.2911
AYS	STATURE	DEU	STATURE	-42.540	0.4483
AYS	CHEST WIDTH	DEU	CHEST WIDTH	-49.276	0.5060
AYS	BODY DEPTH	DEU	BODY DEPTH	-50.370	0.5062
AYS	PIN WIDTH	DEU	RUMP WIDTH	-54.524	0.5711
AYS	RUMP ANGLE	DEU	RUMP ANGLE	-64.563	0.6102
AYS	FOOT ANGLE	DEU	FOOT ANGLE	-32.506	0.3567
AYS	REAR LEGS SIDE VIEW	DEU	REAR LEG SET	-66.603	0.6578
AYS	REAR LEG REAR VIEW	DEU	REAR LEG REAR VIEW	-51.981	0.5318
AYS	UDDER DEPTH	DEU	UDDER DEPTH	-42.276	0.4314
AYS	MEDIAN SUSPENSORY	DEU	MEDIAN SUSPENSORY	-45.067	0.4371
AYS	FORE ATTACHMENT	DEU	FORE UDDER	-42.871	0.4160
AYS	FRONT TEAT PLACEMENT	DEU	FRONT TEAT PLACEMENT	-43.083	0.4306
AYS	TEAT LENGTH	DEU	TEAT LENGTH	-34.958	0.3410
AYS	REAR ATTACHMENT HEIGHT	DEU	REAR UDDER HEIGHT	-37.276	0.3412
AYS	REAR TEAT PLACEMENT	DEU	REAR TEAT PLACEMENT	-41.579	0.3979
AYS	ANGULARITY	DEU	ANGULARITY	-56.418	0.5366

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 Conversion Factors For Type. Source = INTERBULL MACE 2308
 Converted Canadian Proof = A + (B* Foreign Proof)
 Converted Proof Reliability = TCORR2*Foreign Reliability

country2=DFS

	c	c	f			
	a	o	o		a	b
	n	u	r		v	v
b	t	n	t		a	a
r	r	t	r		l	l
e	a	r	a		u	u
e	i	y	i		e	e
d	t	2	t			
AYS	CONFORMATION	DFS	OVERALL CONFORMATION	-34.764	0.2748	0.3
7						
AYS	FEET AND LEGS	DFS	OVERALL FEET & LEG	-28.054	0.2631	
AYS	MAMMARY SYSTEM	DFS	OVERALL UDDER SCORE	-45.978	0.4349	

AYS	STATURE	DFS	STATURE	-70.045	0.6816
AYS	CHEST WIDTH	DFS	CHEST WIDTH	-41.678	0.4197
AYS	BODY DEPTH	DFS	BODY DEPTH	-46.309	0.4225
AYS	PIN WIDTH	DFS	RUMP WIDTH	-54.731	0.5367
AYS	RUMP ANGLE	DFS	RUMP ANGLE	-54.179	0.5471
AYS	FOOT ANGLE	DFS	FOOT ANGLE	-50.310	0.4942
AYS	REAR LEGS SIDE VIEW	DFS	REAR LEG SET	-61.666	0.6706
AYS	REAR LEG REAR VIEW	DFS	REAR LEG REAR VIEW	-51.323	0.4970
AYS	UDDER DEPTH	DFS	UDDER DEPTH	-50.074	0.5132
AYS	MEDIAN SUSPENSORY	DFS	MEDIAN SUSPENSORY	-38.128	0.3324
AYS	FORE ATTACHMENT	DFS	FORE UDDER	-41.396	0.3980
AYS	FRONT TEAT PLACEMENT	DFS	FRONT TEAT PLACEMENT	-45.855	0.4578
AYS	TEAT LENGTH	DFS	TEAT LENGTH	-42.505	0.4264
AYS	REAR ATTACHMENT HEIGHT	DFS	REAR UDDER HEIGHT	-52.771	0.4756
AYS	REAR TEAT PLACEMENT	DFS	REAR TEAT PLACEMENT	-44.848	0.4207
AYS	ANGULARITY	DFS	ANGULARITY	-64.268	0.5748

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Conversion Factors For Type. Source = INTERBULL MACE 2308
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	t	n	t	v	v	c
r	r	t	r	a	a	o
e	a	r	a	l	l	r
e	i	y	i	u	u	r
d	t	2	t	e	e	2
AYS	FEET AND LEGS	GBR	OVERALL FEET & LEG	-1.623	2.2713	
AYS	MAMMARY SYSTEM	GBR	OVERALL UDDER SCORE	-1.352	2.7358	
AYS	STATURE	GBR	STATURE	-3.382	4.5683	
AYS	CHEST WIDTH	GBR	CHEST WIDTH	1.251	3.8816	

AYS	BODY DEPTH	GBR	BODY DEPTH	0.396	3.2846
AYS	PIN WIDTH	GBR	RUMP WIDTH	-1.252	4.0435
AYS	RUMP ANGLE	GBR	RUMP ANGLE	-1.475	3.5289
AYS	FOOT ANGLE	GBR	FOOT ANGLE	-1.779	3.2896
AYS	REAR LEGS SIDE VIEW	GBR	REAR LEG SET	0.220	3.2512
AYS	UDDER DEPTH	GBR	UDDER DEPTH	-0.776	3.0768
AYS	MEDIAN SUSPENSORY	GBR	MEDIAN SUSPENSORY	-2.151	2.8065
AYS	FORE ATTACHMENT	GBR	FORE UDDER	-0.308	3.2892
AYS	TEAT PLACEMENT	GBR	FRONT TEAT PLACEMENT	1.878	3.6132
AYS	TEAT LENGTH	GBR	TEAT LENGTH	-0.292	3.2877
AYS	REAR ATTACHMENT HEIGHT	GBR	REAR UDDER HEIGHT	-2.309	3.3725
AYS	ANGULARITY	GBR	ANGULARITY	-5.585	4.8761

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Conversion Factors For Type. Source = INTERBULL MACE 2308
Converted Canadian Proof = A + (B* Foreign Proof)
Converted Proof Reliability = TCORR2*Foreign Reliability

country2=LVA

	c	c	f			
	a	o	o		a	b
	n	u	r		v	v
b	t	n	t		a	a
r	r	t	r		l	l
e	a	r	a		u	u
e	i	y	i		e	e
d	t	2	t			
						t
AYS	STATURE	LVA	STATURE	-13.448	8.3476	
AYS	CHEST WIDTH	LVA	CHEST WIDTH	-4.230	16.2938	
AYS	BODY DEPTH	LVA	BODY DEPTH	-5.899	13.8511	
AYS	PIN WIDTH	LVA	RUMP WIDTH	-7.976	13.5081	
AYS	RUMP ANGLE	LVA	RUMP ANGLE	-10.506	12.6751	
AYS	FOOT ANGLE	LVA	FOOT ANGLE	-2.160	16.0916	
AYS	REAR LEGS SIDE VIEW	LVA	REAR LEG SET	-8.340	18.4988	
AYS	REAR LEG REAR VIEW	LVA	REAR LEG REAR VIEW	-5.911	23.3580	
AYS	UDDER DEPTH	LVA	UDDER DEPTH	-9.533	12.0153	

AYS	MEDIAN SUSPENSORY	LVA	MEDIAN SUSPENSORY	-7.495	12.8586
AYS	FORE ATTACHMENT	LVA	FORE UDDER	-11.513	13.9609
AYS	TEAT PLACEMENT	LVA	FRONT TEAT PLACEMENT	-6.609	13.6602
AYS	TEAT LENGTH	LVA	TEAT LENGTH	-3.464	9.3460
AYS	REAR ATTACHMENT HEIGHT	LVA	REAR UDDER HEIGHT	-14.975	11.6773
AYS	REAR TEAT PLACEMENT	LVA	REAR TEAT PLACEMENT	-10.744	15.0181
AYS	ANGULARITY	LVA	ANGULARITY	-16.364	17.0639

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Conversion Factors For Type. Source = INTERBULL MACE 2308
Converted Canadian Proof = A + (B* Foreign Proof)
Converted Proof Reliability = TCORR2*Foreign Reliability

country2=NLD

	c	c	f			
	a	o	o		a	b
	n	u	r		v	v
b	t	n	t		a	a
r	r	t	r		l	l
e	a	r	a		u	u
e	i	y	i		e	e
d	t	2	t			2
AYS	CONFORMATION	NLD	CONFORMATION	-95.119	0.9944	0.5
2						
AYS	FEET AND LEGS	NLD	OVERALL FEET & LEG	-42.258	0.4224	
AYS	MAMMARY SYSTEM	NLD	OVERALL UDDER SCORE	-99.624	1.0766	
AYS	STATURE	NLD	STATURE	-107.877	1.2167	
AYS	CHEST WIDTH	NLD	CHEST WIDTH	-115.081	1.2583	
AYS	BODY DEPTH	NLD	BODY DEPTH	-93.305	1.0476	
AYS	PIN WIDTH	NLD	RUMP WIDTH	-84.822	0.9181	
AYS	RUMP ANGLE	NLD	RUMP ANGLE	-97.206	0.9690	
AYS	FOOT ANGLE	NLD	FOOT ANGLE	-90.515	0.9501	
AYS	REAR LEGS SIDE VIEW	NLD	REAR LEG SET	-116.784	1.1332	
AYS	REAR LEG REAR VIEW	NLD	REAR LEG REAR VIEW	-107.025	1.1029	
AYS	UDDER DEPTH	NLD	UDDER DEPTH	-117.755	1.2582	
AYS	MEDIAN SUSPENSORY	NLD	MEDIAN SUSPENSORY	-106.314	1.0848	

AYS	FORE ATTACHMENT	NLD	FORE UDDER	-120.176	1.2654
AYS	TEAT PLACEMENT	NLD	FRONT TEAT PLACEMENT	-114.331	1.2156
AYS	TEAT LENGTH	NLD	TEAT LENGTH	-87.195	0.8935
AYS	REAR ATTACHMENT HEIGHT	NLD	REAR UDDER HEIGHT	-97.067	1.0455
AYS	REAR TEAT PLACEMENT	NLD	REAR TEAT PLACEMENT	-102.831	1.0653
AYS	ANGULARITY	NLD	ANGULARITY	-94.542	1.0387

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Conversion Factors For Type. Source = INTERBULL MACE 2308
Converted Canadian Proof = A + (B* Foreign Proof)
Converted Proof Reliability = TCORR2*Foreign Reliability

country2=NOR

	c	c	f			
	a	o	o	a	b	t
b	n	u	r	v	v	c
r	r	t	r	a	a	o
e	a	r	a	l	l	r
e	i	y	i	u	u	r
d	t	2	t	e	e	2
AYS	CONFORMATION	NOR	OVERALL CONFORMATION	-31.097	0.2151	0.4
AYS	FEET AND LEGS	NOR	OVERALL FEET & LEG	-28.793	0.2324	
AYS	MAMMARY SYSTEM	NOR	OVERALL UDDER SCORE	-43.061	0.3326	
AYS	STATURE	NOR	STATURE	-48.937	0.4209	
AYS	CHEST WIDTH	NOR	CHEST WIDTH	-33.089	0.3723	
AYS	BODY DEPTH	NOR	BODY DEPTH	-36.441	0.3181	
AYS	PIN WIDTH	NOR	RUMP WIDTH	-37.677	0.3905	
AYS	RUMP ANGLE	NOR	RUMP ANGLE	-43.000	0.4468	
AYS	FOOT ANGLE	NOR	FOOT ANGLE	-38.740	0.3591	
AYS	REAR LEGS SIDE VIEW	NOR	REAR LEG SET	-42.002	0.4677	
AYS	REAR LEG REAR VIEW	NOR	REAR LEG REAR VIEW	-43.037	0.3872	
AYS	UDDER DEPTH	NOR	UDDER DEPTH	-43.541	0.3677	
AYS	MEDIAN SUSPENSORY	NOR	MEDIAN SUSPENSORY	-43.745	0.3514	
AYS	FORE ATTACHMENT	NOR	FORE UDDER	-45.430	0.3831	
AYS	FRONT TEAT PLACEMENT	NOR	FRONT TEAT PLACEMENT	-42.366	0.3781	

AYS	TEAT LENGTH	NOR	TEAT LENGTH	-37.085	0.3620
AYS	REAR ATTACHMENT HEIGHT	NOR	REAR UDDER HEIGHT	-49.337	0.3839
AYS	REAR TEAT PLACEMENT	NOR	REAR TEAT PLACEMENT	-37.509	0.3420
AYS	ANGULARITY	NOR	ANGULARITY	-47.299	0.3352

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Conversion Factors For Type. Source = INTERBULL MACE 2308
Converted Canadian Proof = A + (B* Foreign Proof)
Converted Proof Reliability = TCORR2*Foreign Reliability

country2=NZL

	c	c	f			
	a	o	o		a	b
	n	u	r		v	v
b	t	n	t		a	a
r	r	r	r		l	l
e	a	y	a		u	u
e	i	2	i		e	e
d	t	2	t			2
AYS	CONFORMATION	NZL	OVERALL CONFORMATION	-7.817	9.7565	0.3
1						
AYS	MAMMARY SYSTEM	NZL	OVERALL UDDER SCORE	-8.610	12.2575	
AYS	STATURE	NZL	STATURE	-11.585	11.1428	
AYS	CHEST WIDTH	NZL	CHEST WIDTH	1.217	13.6800	
AYS	BODY DEPTH	NZL	BODY DEPTH	-2.431	11.7924	
AYS	PIN WIDTH	NZL	RUMP WIDTH	-4.800	16.5856	
AYS	RUMP ANGLE	NZL	RUMP ANGLE	-4.676	18.4737	
AYS	REAR LEGS SIDE VIEW	NZL	REAR LEG SET	5.266	36.7481	
AYS	MEDIAN SUSPENSORY	NZL	MEDIAN SUSPENSORY	-6.704	12.9860	
AYS	FORE ATTACHMENT	NZL	FORE UDDER	-6.923	12.6148	
AYS	FRONT TEAT PLACEMENT	NZL	FRONT TEAT PLACEMENT	-5.371	19.6901	
AYS	TEAT LENGTH	NZL	TEAT LENGTH	4.216	12.8614	
AYS	REAR ATTACHMENT HEIGHT	NZL	REAR UDDER HEIGHT	-7.331	12.6660	
AYS	REAR TEAT PLACEMENT	NZL	REAR TEAT PLACEMENT	-6.235	16.1138	

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Conversion Factors For Type. Source = INTERBULL MACE 2308
 Converted Canadian Proof = A + (B* Foreign Proof)
 Converted Proof Reliability = TCORR2*Foreign Reliability

country2=USA

	c a n t r y 1	c o u n t r y 2	f o r e i g n c o u n t r y	a d j u s t m e n t	b i a s e	t e s t r e l i a b i l i t y
AYS	CONFORMATION	USA	CONFORMATION	-3.047	6.5356	0.5
AYS	FEET AND LEGS	USA	OVERALL FEET & LEG	-2.729	2.0196	
AYS	MAMMARY SYSTEM	USA	OVERALL UDDER SCORE	-1.417	4.8759	
AYS	STATURE	USA	STATURE	0.096	2.5483	
AYS	CHEST WIDTH	USA	CHEST WIDTH	0.647	4.5631	
AYS	BODY DEPTH	USA	BODY DEPTH	0.368	3.4813	
AYS	PIN WIDTH	USA	RUMP WIDTH	0.454	3.9398	
AYS	RUMP ANGLE	USA	RUMP ANGLE	-1.718	3.4612	
AYS	FOOT ANGLE	USA	FOOT ANGLE	-1.553	5.1279	
AYS	REAR LEGS SIDE VIEW	USA	REAR LEG SET	-0.093	6.7289	
AYS	REAR LEG REAR VIEW	USA	REAR LEG REAR VIEW	-2.428	-5.2831	
AYS	UDDER DEPTH	USA	UDDER DEPTH	-0.482	4.1982	
AYS	MEDIAN SUSPENSORY	USA	MEDIAN SUSPENSORY	-3.190	4.1098	
AYS	FORE ATTACHMENT	USA	FORE UDDER	-0.709	3.5054	
AYS	TEAT PLACEMENT	USA	FRONT TEAT PLACEMENT	-0.512	3.7205	
AYS	TEAT LENGTH	USA	TEAT LENGTH	1.325	2.8039	
AYS	REAR ATTACHMENT HEIGHT	USA	REAR UDDER HEIGHT	-1.282	3.6143	
AYS	REAR TEAT PLACEMENT	USA	REAR TEAT PLACEMENT	-0.098	3.7344	
AYS	ANGULARITY	USA	ANGULARITY	-1.817	4.9141	

 CALCULATION OF FAT% AND PROTEIN% FOR AUGUST 2023

BREED BMILK BFAT BPRT

AYS	8079	337	277
BSW	8742	370	313
CN	5847	253	210
GUE	7418	335	255
JER	7090	366	276
HOL	10961	437	361
MS	6971	275	237

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% = $200 * [(437 + 50 * 0.5) / (10961 + 1000 * 0.5) - (437 / 11E3)]$
 = $200 * [(437 + 25) / (10961 + 500) - (0.03987)]$
 = $200 * [0.04031 - 0.03987]$
 = $200 * 0.00044$
 = 0.09

EBVPROT% = $200 * [(361 + 40 * 0.5) / (10961 + 1000 * 0.5) - (361 / 11E3)]$
 = $200 * [(361 + 20) / (10961 + 500) - (0.03293)]$
 = $200 * [0.03324 - 0.03293]$
 = $200 * 0.00031$
 = 0.06