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 Conversion Factors For Production Traits. Source: INTERBULL 2304  
 Converted Canadian Proof = A + (B\* Foreign Proof)  
 Converted Proof Reliability = PCORR2\*Foreign Reliability

breed	country2	amilk	bmilk	afat	bfat	aprot	bprot	pcorr2
AYS	AUS	-376.60	1.1400	-7.200	1.3840	-8.600	1.3080	0.3969
AYS	CAM	-469.46	1.1382	-25.610	0.8447	-13.600	1.3793	0.6241
AYS	DEU	571.70	0.8240	36.000	0.8320	28.000	0.8500	0.8100
AYS	DFS	-4459.50	52.9680	-159.100	2.0370	-111.300	1.5500	0.7744
AYS	EST	589.80	1.0120	22.200	1.0650	25.100	0.9970	0.6400
AYS	GBR	-477.60	1.9940	-22.400	2.3730	-15.300	2.4450	0.6400
AYS	IRL	455.20	2.8180	14.321	2.5825	19.389	2.5607	0.5476
AYS	LTU	-341.73	1.2111	-1.451	0.9610	-0.315	1.1260	0.4356
AYS	LVA	263.80	1.6520	9.700	1.6710	11.900	1.8060	0.5184
AYS	NLD	1547.90	0.7014	63.466	0.7414	56.845	0.6096	0.7569
AYS	NOR	-3252.40	39.4490	-134.900	1.6180	-91.000	1.2280	0.6724
AYS	NZL	-336.90	1.2570	12.300	1.1970	2.700	1.2180	0.3249
AYS	USA	-321.70	0.8020	-19.100	0.8910	-13.000	0.8580	0.7921
AYS	ZAF	-237.87	0.8258	-9.374	0.8739	-5.379	0.8189	0.5776

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 Conversion Factors For SCS Traits. Source: INTERBULL 2304  
 Converted Canadian Proof = A + (B\* Foreign Proof)  
 Converted Proof Reliability = SCORR2\*Foreign Reliability

breed	country2	a	b	scorr2
AYS	AUS	94.500	-17.9480	0.6561
AYS	CAM	8.263	0.8768	0.7921
AYS	DEU	58.100	0.3970	0.8836
AYS	DFS	56.800	0.4330	0.8836
AYS	EST	69.600	0.2900	0.7921
AYS	GBR	99.000	-0.4800	0.8836
AYS	LTU	98.162	-13.3801	0.6724
AYS	LVA	98.100	-0.0120	0.7396
AYS	NLD	-41.469	1.4486	0.8281
AYS	NOR	62.600	0.3670	0.7396
AYS	NZL	94.000	-11.2690	0.5776
AYS	USA	176.800	-26.0220	0.8464
AYS	ZAF	99.540	-0.1980	0.6889

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 Conversion Factors For Type. Source = INTERBULL MACE 2304  
 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	-6.442	2.7292	0.4
AYS	FEET AND LEGS	AUS	OVERALL FEET & LEG	-4.591	2.6188	
AYS	MAMMARY SYSTEM	AUS	OVERALL UDDER SCORE	-6.627	2.6487	
AYS	STATURE	AUS	STATURE	-5.772	8.3601	
AYS	CHEST WIDTH	AUS	CHEST WIDTH	0.920	12.4102	
AYS	BODY DEPTH	AUS	BODY DEPTH	-1.031	9.5409	
AYS	PIN WIDTH	AUS	RUMP WIDTH	-4.215	11.1559	
AYS	RUMP ANGLE	AUS	RUMP ANGLE	-3.292	12.2870	
AYS	FOOT ANGLE	AUS	FOOT ANGLE	-3.879	14.1958	
AYS	REAR LEGS SIDE VIEW	AUS	REAR LEG SET	5.327	19.8141	
AYS	REAR LEG REAR VIEW	AUS	REAR LEG REAR VIEW	-4.974	19.2340	
AYS	UDDER DEPTH	AUS	UDDER DEPTH	-5.290	9.3540	
AYS	MEDIAN SUSPENSORY	AUS	MEDIAN SUSPENSORY	-4.683	12.9496	
AYS	FORE ATTACHMENT	AUS	FORE UDDER	-5.250	11.1836	
AYS	TEAT PLACEMENT	AUS	FRONT TEAT PLACEMENT	-0.689	9.9484	
AYS	TEAT LENGTH	AUS	TEAT LENGTH	3.918	8.1172	
AYS	REAR ATTACHMENT HEIGHT	AUS	REAR UDDER HEIGHT	-8.304	9.3520	
AYS	REAR TEAT PLACEMENT	AUS	REAR TEAT PLACEMENT	-1.870	13.4193	
AYS	ANGULARITY	AUS	ANGULARITY	-7.411	9.5959	

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 Conversion Factors For Type. Source = INTERBULL MACE 2304  
 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	-8.633	0.5810	0.5
8						
AYS	FEET AND LEGS		CAM OVERALL FEET & LEG	-5.695	0.4857	
AYS	MAMMARY SYSTEM		CAM OVERALL UDDER SCORE	-9.518	0.6849	
AYS	STATURE		CAM STATURE	-5.387	0.9284	
AYS	CHEST WIDTH		CAM CHEST WIDTH	-1.577	0.8494	
AYS	BODY DEPTH		CAM BODY DEPTH	-3.437	0.9384	
AYS	PIN WIDTH		CAM RUMP WIDTH	-4.298	0.8457	
AYS	RUMP ANGLE		CAM RUMP ANGLE	-0.288	1.0017	
AYS	FOOT ANGLE		CAM FOOT ANGLE	-3.448	0.6569	
AYS	REAR LEGS SIDE VIEW		CAM REAR LEG SET	3.809	0.7724	
AYS	REAR LEG REAR VIEW		CAM REAR LEG REAR VIEW	-5.445	0.6854	
AYS	UDDER DEPTH		CAM UDDER DEPTH	-4.424	1.1815	
AYS	MEDIAN SUSPENSORY		CAM MEDIAN SUSPENSORY	-6.006	0.7305	
AYS	FORE ATTACHMENT		CAM FORE UDDER	-7.868	0.6846	
AYS	TEAT PLACEMENT		CAM FRONT TEAT PLACEMENT	-3.587	0.7851	
AYS	TEAT LENGTH		CAM TEAT LENGTH	3.394	0.6287	
AYS	REAR ATTACHMENT HEIGHT		CAM REAR UDDER HEIGHT	-8.951	0.7514	
AYS	REAR TEAT PLACEMENT		CAM REAR TEAT PLACEMENT	-2.782	0.8512	
AYS	ANGULARITY		CAM ANGULARITY	-9.713	0.7264	

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Conversion Factors For Type. Source = INTERBULL MACE 2304  
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 e r a g e	t c o r r e c t i o n
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AYS	FEET AND LEGS	DEU	OVERALL FEET & LEG	-22.104	0.2109
AYS	MAMMARY SYSTEM	DEU	OVERALL UDDER SCORE	-30.402	0.2918
AYS	STATURE	DEU	STATURE	-42.755	0.4508
AYS	CHEST WIDTH	DEU	CHEST WIDTH	-49.512	0.5098
AYS	BODY DEPTH	DEU	BODY DEPTH	-50.083	0.5031
AYS	PIN WIDTH	DEU	RUMP WIDTH	-54.511	0.5714
AYS	RUMP ANGLE	DEU	RUMP ANGLE	-64.402	0.6079
AYS	FOOT ANGLE	DEU	FOOT ANGLE	-33.286	0.3635
AYS	REAR LEGS SIDE VIEW	DEU	REAR LEG SET	-66.275	0.6545
AYS	REAR LEG REAR VIEW	DEU	REAR LEG REAR VIEW	-52.700	0.5406
AYS	UDDER DEPTH	DEU	UDDER DEPTH	-42.218	0.4306
AYS	MEDIAN SUSPENSORY	DEU	MEDIAN SUSPENSORY	-44.646	0.4325
AYS	FORE ATTACHMENT	DEU	FORE UDDER	-43.248	0.4202
AYS	FRONT TEAT PLACEMENT	DEU	FRONT TEAT PLACEMENT	-42.843	0.4291
AYS	TEAT LENGTH	DEU	TEAT LENGTH	-34.831	0.3403
AYS	REAR ATTACHMENT HEIGHT	DEU	REAR UDDER HEIGHT	-37.138	0.3386
AYS	REAR TEAT PLACEMENT	DEU	REAR TEAT PLACEMENT	-41.116	0.3946
AYS	ANGULARITY	DEU	ANGULARITY	-63.435	0.5759

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 Conversion Factors For Type. Source = INTERBULL MACE 2304  
 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	-35.024	0.2755	0.3
7						
AYS	FEET AND LEGS	DFS	OVERALL FEET & LEG	-28.585	0.2656	
AYS	MAMMARY SYSTEM	DFS	OVERALL UDDER SCORE	-46.012	0.4333	

AYS	STATURE	DFS	STATURE	-70.841	0.6889
AYS	CHEST WIDTH	DFS	CHEST WIDTH	-41.787	0.4210
AYS	BODY DEPTH	DFS	BODY DEPTH	-46.571	0.4237
AYS	PIN WIDTH	DFS	RUMP WIDTH	-54.824	0.5363
AYS	RUMP ANGLE	DFS	RUMP ANGLE	-54.101	0.5465
AYS	FOOT ANGLE	DFS	FOOT ANGLE	-49.916	0.4888
AYS	REAR LEGS SIDE VIEW	DFS	REAR LEG SET	-61.761	0.6700
AYS	REAR LEG REAR VIEW	DFS	REAR LEG REAR VIEW	-51.766	0.5004
AYS	UDDER DEPTH	DFS	UDDER DEPTH	-50.363	0.5158
AYS	MEDIAN SUSPENSORY	DFS	MEDIAN SUSPENSORY	-38.224	0.3323
AYS	FORE ATTACHMENT	DFS	FORE UDDER	-41.804	0.3994
AYS	FRONT TEAT PLACEMENT	DFS	FRONT TEAT PLACEMENT	-45.910	0.4582
AYS	TEAT LENGTH	DFS	TEAT LENGTH	-42.124	0.4238
AYS	REAR ATTACHMENT HEIGHT	DFS	REAR UDDER HEIGHT	-52.749	0.4752
AYS	REAR TEAT PLACEMENT	DFS	REAR TEAT PLACEMENT	-44.640	0.4195
AYS	ANGULARITY	DFS	ANGULARITY	-64.786	0.5770

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Conversion Factors For Type. Source = INTERBULL MACE 2304  
 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	-1.690	2.1863	
AYS	MAMMARY SYSTEM	GBR	OVERALL UDDER SCORE	-1.322	2.7264	
AYS	STATURE	GBR	STATURE	-3.397	4.5985	
AYS	CHEST WIDTH	GBR	CHEST WIDTH	1.195	3.8707	

AYS	BODY DEPTH	GBR	BODY DEPTH	0.314	3.2827
AYS	PIN WIDTH	GBR	RUMP WIDTH	-1.289	4.0681
AYS	RUMP ANGLE	GBR	RUMP ANGLE	-1.535	3.5399
AYS	FOOT ANGLE	GBR	FOOT ANGLE	-1.876	3.3166
AYS	REAR LEGS SIDE VIEW	GBR	REAR LEG SET	0.212	3.2364
AYS	UDDER DEPTH	GBR	UDDER DEPTH	-0.747	3.1099
AYS	MEDIAN SUSPENSORY	GBR	MEDIAN SUSPENSORY	-2.161	2.7175
AYS	FORE ATTACHMENT	GBR	FORE UDDER	-0.302	3.3160
AYS	TEAT PLACEMENT	GBR	FRONT TEAT PLACEMENT	1.973	3.5880
AYS	TEAT LENGTH	GBR	TEAT LENGTH	-0.323	3.2546
AYS	REAR ATTACHMENT HEIGHT	GBR	REAR UDDER HEIGHT	-2.430	3.3734
AYS	ANGULARITY	GBR	ANGULARITY	-5.710	4.9680

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Conversion Factors For Type. Source = INTERBULL MACE 2304  
Converted Canadian Proof = A + (B\* Foreign Proof)  
Converted Proof Reliability = TCORR2\*Foreign Reliability

country2=LVA

	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	STATURE	LVA	STATURE	-13.858	8.5888	
AYS	CHEST WIDTH	LVA	CHEST WIDTH	-4.118	16.3084	
AYS	BODY DEPTH	LVA	BODY DEPTH	-5.978	13.8627	
AYS	PIN WIDTH	LVA	RUMP WIDTH	-7.986	13.5186	
AYS	RUMP ANGLE	LVA	RUMP ANGLE	-10.538	12.6664	
AYS	FOOT ANGLE	LVA	FOOT ANGLE	-2.278	16.6852	
AYS	REAR LEGS SIDE VIEW	LVA	REAR LEG SET	-8.264	18.3729	
AYS	REAR LEG REAR VIEW	LVA	REAR LEG REAR VIEW	-5.775	23.1217	
AYS	UDDER DEPTH	LVA	UDDER DEPTH	-9.613	12.1042	

AYS	MEDIAN SUSPENSORY	LVA	MEDIAN SUSPENSORY	-7.861	13.3616
AYS	FORE ATTACHMENT	LVA	FORE UDDER	-11.647	14.2191
AYS	TEAT PLACEMENT	LVA	FRONT TEAT PLACEMENT	-6.600	13.7181
AYS	TEAT LENGTH	LVA	TEAT LENGTH	-3.345	9.3016
AYS	REAR ATTACHMENT HEIGHT	LVA	REAR UDDER HEIGHT	-15.139	11.7281
AYS	REAR TEAT PLACEMENT	LVA	REAR TEAT PLACEMENT	-10.751	15.0091
AYS	ANGULARITY	LVA	ANGULARITY	-16.722	17.8814

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 Conversion Factors For Type. Source = INTERBULL MACE 2304  
 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	-93.907	0.9791	0.5
AYS	FEET AND LEGS	NLD	OVERALL FEET & LEG	-41.472	0.4129	
AYS	MAMMARY SYSTEM	NLD	OVERALL UDDER SCORE	-104.409	1.1301	
AYS	STATURE	NLD	STATURE	-107.618	1.2129	
AYS	CHEST WIDTH	NLD	CHEST WIDTH	-112.413	1.2300	
AYS	BODY DEPTH	NLD	BODY DEPTH	-92.552	1.0368	
AYS	PIN WIDTH	NLD	RUMP WIDTH	-84.749	0.9170	
AYS	RUMP ANGLE	NLD	RUMP ANGLE	-96.152	0.9575	
AYS	FOOT ANGLE	NLD	FOOT ANGLE	-88.266	0.9257	
AYS	REAR LEGS SIDE VIEW	NLD	REAR LEG SET	-117.100	1.1361	
AYS	REAR LEG REAR VIEW	NLD	REAR LEG REAR VIEW	-107.684	1.1105	
AYS	UDDER DEPTH	NLD	UDDER DEPTH	-121.704	1.2971	
AYS	MEDIAN SUSPENSORY	NLD	MEDIAN SUSPENSORY	-104.751	1.0648	

AYS	FORE ATTACHMENT	NLD	FORE UDDER	-125.311	1.3200
AYS	TEAT PLACEMENT	NLD	FRONT TEAT PLACEMENT	-113.663	1.2056
AYS	TEAT LENGTH	NLD	TEAT LENGTH	-85.735	0.8815
AYS	REAR ATTACHMENT HEIGHT	NLD	REAR UDDER HEIGHT	-98.298	1.0596
AYS	REAR TEAT PLACEMENT	NLD	REAR TEAT PLACEMENT	-102.472	1.0594
AYS	ANGULARITY	NLD	ANGULARITY	-94.527	1.0374

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Conversion Factors For Type. Source = INTERBULL MACE 2304  
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	t	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	-31.213	0.2161	0.4
8						
AYS	FEET AND LEGS	NOR	OVERALL FEET & LEG	-29.045	0.2332	
AYS	MAMMARY SYSTEM	NOR	OVERALL UDDER SCORE	-43.313	0.3346	
AYS	STATURE	NOR	STATURE	-49.481	0.4249	
AYS	CHEST WIDTH	NOR	CHEST WIDTH	-33.192	0.3747	
AYS	BODY DEPTH	NOR	BODY DEPTH	-36.576	0.3201	
AYS	PIN WIDTH	NOR	RUMP WIDTH	-37.179	0.3864	
AYS	RUMP ANGLE	NOR	RUMP ANGLE	-42.985	0.4464	
AYS	FOOT ANGLE	NOR	FOOT ANGLE	-38.922	0.3599	
AYS	REAR LEGS SIDE VIEW	NOR	REAR LEG SET	-41.855	0.4671	
AYS	REAR LEG REAR VIEW	NOR	REAR LEG REAR VIEW	-43.371	0.3902	
AYS	UDDER DEPTH	NOR	UDDER DEPTH	-43.789	0.3705	
AYS	MEDIAN SUSPENSORY	NOR	MEDIAN SUSPENSORY	-43.567	0.3497	
AYS	FORE ATTACHMENT	NOR	FORE UDDER	-45.714	0.3868	
AYS	FRONT TEAT PLACEMENT	NOR	FRONT TEAT PLACEMENT	-41.919	0.3763	



AYS	TEAT LENGTH	NOR	TEAT LENGTH	-36.827	0.3602
AYS	REAR ATTACHMENT HEIGHT	NOR	REAR UDDER HEIGHT	-49.431	0.3834
AYS	REAR TEAT PLACEMENT	NOR	REAR TEAT PLACEMENT	-37.770	0.3473
AYS	ANGULARITY	NOR	ANGULARITY	-47.548	0.3361

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Conversion Factors For Type. Source = INTERBULL MACE 2304  
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	t	r		l	l
e	a	r	a		u	u
e	i	y	i		e	e
d	t	2	t			2
AYS	CONFORMATION	NZL	OVERALL CONFORMATION	-7.869	9.8092	0.3
1						
AYS	MAMMARY SYSTEM	NZL	OVERALL UDDER SCORE	-8.672	12.2929	
AYS	STATURE	NZL	STATURE	-11.729	11.2639	
AYS	CHEST WIDTH	NZL	CHEST WIDTH	1.279	13.7136	
AYS	BODY DEPTH	NZL	BODY DEPTH	-2.466	11.8062	
AYS	PIN WIDTH	NZL	RUMP WIDTH	-4.778	16.5878	
AYS	RUMP ANGLE	NZL	RUMP ANGLE	-4.671	18.4642	
AYS	REAR LEGS SIDE VIEW	NZL	REAR LEG SET	5.235	36.7323	
AYS	MEDIAN SUSPENSORY	NZL	MEDIAN SUSPENSORY	-6.765	12.9505	
AYS	FORE ATTACHMENT	NZL	FORE UDDER	-6.943	12.6952	
AYS	FRONT TEAT PLACEMENT	NZL	FRONT TEAT PLACEMENT	-5.303	19.7537	
AYS	TEAT LENGTH	NZL	TEAT LENGTH	4.117	12.7164	
AYS	REAR ATTACHMENT HEIGHT	NZL	REAR UDDER HEIGHT	-7.360	12.6484	
AYS	REAR TEAT PLACEMENT	NZL	REAR TEAT PLACEMENT	-6.191	16.0622	

Conversion Factors For Type. Source = INTERBULL MACE 2304  
 Converted Canadian Proof = A + (B\* Foreign Proof)  
 Converted Proof Reliability = TCORR2\*Foreign Reliability

country2=USA

	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	USA	CONFORMATION	-3.065	6.6062	0.5
9						
AYS	FEET AND LEGS	USA	OVERALL FEET & LEG	-2.813	2.0210	
AYS	MAMMARY SYSTEM	USA	OVERALL UDDER SCORE	-1.454	4.9047	
AYS	STATURE	USA	STATURE	0.139	2.5780	
AYS	CHEST WIDTH	USA	CHEST WIDTH	0.704	4.5620	
AYS	BODY DEPTH	USA	BODY DEPTH	0.300	3.4932	
AYS	PIN WIDTH	USA	RUMP WIDTH	0.498	3.9183	
AYS	RUMP ANGLE	USA	RUMP ANGLE	-1.765	3.4396	
AYS	FOOT ANGLE	USA	FOOT ANGLE	-1.551	5.1227	
AYS	REAR LEGS SIDE VIEW	USA	REAR LEG SET	-0.120	6.6954	
AYS	REAR LEG REAR VIEW	USA	REAR LEG REAR VIEW	-2.480	-5.2984	
AYS	UDDER DEPTH	USA	UDDER DEPTH	-0.463	4.2316	
AYS	MEDIAN SUSPENSORY	USA	MEDIAN SUSPENSORY	-3.260	4.1314	
AYS	FORE ATTACHMENT	USA	FORE UDDER	-0.648	3.5439	
AYS	TEAT PLACEMENT	USA	FRONT TEAT PLACEMENT	-0.472	3.7362	
AYS	TEAT LENGTH	USA	TEAT LENGTH	1.372	2.7940	
AYS	REAR ATTACHMENT HEIGHT	USA	REAR UDDER HEIGHT	-1.318	3.6132	
AYS	REAR TEAT PLACEMENT	USA	REAR TEAT PLACEMENT	-0.113	3.7245	
AYS	ANGULARITY	USA	ANGULARITY	-1.790	4.9704	

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 CALCULATION OF FAT% AND PROTEIN% FOR APRIL 2023

BREED      BMILK      BFAT      BPRT  
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AYS	8071	337	277
BSW	8728	369	313
CN	5590	242	201
GUE	7470	339	257
JER	7090	366	276
HOL	10959	437	361
MS	6969	278	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% =  $200 * [(437 + 50 * 0.5) / (10959 + 1000 * 0.5) - (437 / 11E3)]$   
 =  $200 * [(437 + 25) / (10959 + 500) - (0.03988)]$   
 =  $200 * [0.04032 - 0.03988]$   
 =  $200 * 0.00044$   
 = 0.09

EBVPROT% =  $200 * [(361 + 40 * 0.5) / (10959 + 1000 * 0.5) - (361 / 11E3)]$   
 =  $200 * [(361 + 20) / (10959 + 500) - (0.03294)]$   
 =  $200 * [0.03325 - 0.03294]$   
 =  $200 * 0.00031$   
 = 0.06