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 Conversion Factors For Production Traits. Source: INTERBULL 2204
 Converted Canadian Proof = A + (B* Foreign Proof)
 Converted Proof Reliability = PCORR2*Foreign Reliability

breed	country2	amilk	bmilk	afat	bfat	aprot	bprot	pcorr2
AYS	AUS	-327.50	1.1030	-6.300	1.3560	-7.000	1.3000	0.4096
AYS	CAM	-456.26	1.1200	-25.410	0.8793	-13.913	1.3457	0.6561
AYS	DEU	547.50	0.8090	36.200	0.8470	27.200	0.8260	0.8281
AYS	DFS	-4385.00	52.4590	-158.900	2.0320	-110.400	1.5360	0.7921
AYS	EST	552.40	1.0290	22.200	1.0600	23.700	0.9950	0.6724
AYS	GBR	-413.60	1.9510	-19.300	2.4180	-13.000	2.4600	0.6561
AYS	IRL	489.79	2.8506	16.956	2.6112	20.947	2.5476	0.5625
AYS	LTU	-399.49	1.4128	-3.519	1.1218	-0.542	1.2966	0.4624
AYS	LVA	282.60	1.6560	11.700	1.6740	13.300	1.7850	0.5476
AYS	NLD	1389.97	0.6831	56.062	0.7357	51.480	0.5969	0.7569
AYS	NOR	-3161.40	38.7540	-131.500	1.5990	-87.800	1.2090	0.6889
AYS	NZL	-251.50	1.2030	15.500	1.2020	5.200	1.1860	0.3249
AYS	USA	-274.70	0.7910	-16.700	0.8720	-10.800	0.8430	0.7921
AYS	ZAF	-178.74	0.8188	-6.449	0.9455	-3.069	0.8713	0.6084

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 Conversion Factors For SCS Traits. Source: INTERBULL 2204
 Converted Canadian Proof = A + (B* Foreign Proof)
 Converted Proof Reliability = SCORR2*Foreign Reliability

breed	country2	a	b	scorr2
AYS	AUS	94.300	-17.6630	0.6561
AYS	CAM	12.388	0.8328	0.7921
AYS	DEU	58.400	0.3930	0.8836
AYS	DFS	57.200	0.4310	0.8836
AYS	EST	70.300	0.2830	0.7744
AYS	GBR	98.900	-0.4840	0.8649
AYS	LTU	96.347	-14.9114	0.7225
AYS	LVA	98.200	-0.0110	0.7569
AYS	NLD	-27.618	1.2846	0.8281
AYS	NOR	62.600	0.3650	0.7569
AYS	NZL	94.000	-11.1000	0.6084
AYS	USA	175.000	-25.4650	0.8464
AYS	ZAF	99.544	-0.1986	0.7056

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 Conversion Factors For Type. Source = INTERBULL MACE 2204
 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	-6.249	2.6502	0.4
AYS	FEET AND LEGS	AUS	OVERALL FEET & LEG	-4.220	2.7288	
AYS	MAMMARY SYSTEM	AUS	OVERALL UDDER SCORE	-6.608	2.6148	
AYS	STATURE	AUS	STATURE	-4.899	8.3441	
AYS	CHEST WIDTH	AUS	CHEST WIDTH	1.211	12.8060	
AYS	BODY DEPTH	AUS	BODY DEPTH	-1.450	9.7350	
AYS	PIN WIDTH	AUS	RUMP WIDTH	-2.695	11.0324	
AYS	RUMP ANGLE	AUS	RUMP ANGLE	-2.103	12.8856	
AYS	FOOT ANGLE	AUS	FOOT ANGLE	-2.212	14.0230	
AYS	REAR LEGS SIDE VIEW	AUS	REAR LEG SET	3.867	19.9986	
AYS	REAR LEG REAR VIEW	AUS	REAR LEG REAR VIEW	-4.216	19.8576	
AYS	UDDER DEPTH	AUS	UDDER DEPTH	-5.478	9.4467	
AYS	MEDIAN SUSPENSORY	AUS	MEDIAN SUSPENSORY	-4.582	12.4005	
AYS	FORE ATTACHMENT	AUS	FORE UDDER	-4.895	11.1381	
AYS	TEAT PLACEMENT	AUS	FRONT TEAT PLACEMENT	-1.150	9.7431	
AYS	TEAT LENGTH	AUS	TEAT LENGTH	1.562	8.5021	
AYS	REAR ATTACHMENT HEIGHT	AUS	REAR UDDER HEIGHT	-8.510	9.4609	
AYS	REAR TEAT PLACEMENT	AUS	REAR TEAT PLACEMENT	-2.368	13.8872	
AYS	ANGULARITY	AUS	ANGULARITY	-7.614	9.5435	

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 Conversion Factors For Type. Source = INTERBULL MACE 2204
 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	-8.816	0.5922	0.5
AYS	FEET AND LEGS		CAM OVERALL FEET & LEG	-5.668	0.4708	
AYS	MAMMARY SYSTEM		CAM OVERALL UDDER SCORE	-9.880	0.7127	
AYS	STATURE		CAM STATURE	-5.207	1.0124	
AYS	CHEST WIDTH		CAM CHEST WIDTH	-1.805	0.8436	
AYS	BODY DEPTH		CAM BODY DEPTH	-3.068	1.0011	
AYS	PIN WIDTH		CAM RUMP WIDTH	-3.818	0.7804	
AYS	RUMP ANGLE		CAM RUMP ANGLE	-0.299	1.0095	
AYS	FOOT ANGLE		CAM FOOT ANGLE	-3.554	0.6233	
AYS	REAR LEGS SIDE VIEW		CAM REAR LEG SET	4.079	0.7753	
AYS	REAR LEG REAR VIEW		CAM REAR LEG REAR VIEW	-5.817	0.6982	
AYS	UDDER DEPTH		CAM UDDER DEPTH	-4.347	1.1781	
AYS	MEDIAN SUSPENSORY		CAM MEDIAN SUSPENSORY	-6.403	0.7473	
AYS	FORE ATTACHMENT		CAM FORE UDDER	-7.846	0.6952	
AYS	TEAT PLACEMENT		CAM FRONT TEAT PLACEMENT	-3.966	0.7561	
AYS	TEAT LENGTH		CAM TEAT LENGTH	3.339	0.6200	
AYS	REAR ATTACHMENT HEIGHT		CAM REAR UDDER HEIGHT	-9.152	0.7970	
AYS	REAR TEAT PLACEMENT		CAM REAR TEAT PLACEMENT	-3.481	0.8689	
AYS	ANGULARITY		CAM ANGULARITY	-9.359	0.7429	

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Conversion Factors For Type. Source = INTERBULL MACE 2204
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	-22.480	0.2168
AYS	MAMMARY SYSTEM	DEU	OVERALL UDDER SCORE	-30.232	0.2886
AYS	STATURE	DEU	STATURE	-43.763	0.4606
AYS	CHEST WIDTH	DEU	CHEST WIDTH	-50.059	0.5197
AYS	BODY DEPTH	DEU	BODY DEPTH	-51.568	0.5184
AYS	PIN WIDTH	DEU	RUMP WIDTH	-53.723	0.5639
AYS	RUMP ANGLE	DEU	RUMP ANGLE	-67.869	0.6428
AYS	FOOT ANGLE	DEU	FOOT ANGLE	-32.432	0.3567
AYS	REAR LEGS SIDE VIEW	DEU	REAR LEG SET	-64.694	0.6339
AYS	REAR LEG REAR VIEW	DEU	REAR LEG REAR VIEW	-52.752	0.5440
AYS	UDDER DEPTH	DEU	UDDER DEPTH	-43.459	0.4400
AYS	MEDIAN SUSPENSORY	DEU	MEDIAN SUSPENSORY	-43.551	0.4217
AYS	FORE ATTACHMENT	DEU	FORE UDDER	-44.437	0.4298
AYS	FRONT TEAT PLACEMENT	DEU	FRONT TEAT PLACEMENT	-43.213	0.4270
AYS	TEAT LENGTH	DEU	TEAT LENGTH	-36.046	0.3503
AYS	REAR ATTACHMENT HEIGHT	DEU	REAR UDDER HEIGHT	-36.832	0.3324
AYS	REAR TEAT PLACEMENT	DEU	REAR TEAT PLACEMENT	-42.612	0.4031
AYS	ANGULARITY	DEU	ANGULARITY	-43.477	0.4148

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Conversion Factors For Type. Source = INTERBULL MACE 2204
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	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	DFS	OVERALL CONFORMATION	-36.508	0.2897	0.3
8						
AYS	FEET AND LEGS	DFS	OVERALL FEET & LEG	-28.684	0.2655	
AYS	MAMMARY SYSTEM	DFS	OVERALL UDDER SCORE	-46.179	0.4331	

AYS	STATURE	DFS	STATURE	-71.324	0.6948
AYS	CHEST WIDTH	DFS	CHEST WIDTH	-42.980	0.4335
AYS	BODY DEPTH	DFS	BODY DEPTH	-47.187	0.4297
AYS	PIN WIDTH	DFS	RUMP WIDTH	-53.194	0.5222
AYS	RUMP ANGLE	DFS	RUMP ANGLE	-56.340	0.5721
AYS	FOOT ANGLE	DFS	FOOT ANGLE	-50.542	0.4954
AYS	REAR LEGS SIDE VIEW	DFS	REAR LEG SET	-62.304	0.6714
AYS	REAR LEG REAR VIEW	DFS	REAR LEG REAR VIEW	-52.895	0.5066
AYS	UDDER DEPTH	DFS	UDDER DEPTH	-51.103	0.5202
AYS	MEDIAN SUSPENSORY	DFS	MEDIAN SUSPENSORY	-37.590	0.3266
AYS	FORE ATTACHMENT	DFS	FORE UDDER	-42.469	0.4057
AYS	FRONT TEAT PLACEMENT	DFS	FRONT TEAT PLACEMENT	-45.563	0.4531
AYS	TEAT LENGTH	DFS	TEAT LENGTH	-42.986	0.4291
AYS	REAR ATTACHMENT HEIGHT	DFS	REAR UDDER HEIGHT	-53.027	0.4754
AYS	REAR TEAT PLACEMENT	DFS	REAR TEAT PLACEMENT	-46.677	0.4393
AYS	ANGULARITY	DFS	ANGULARITY	-65.604	0.5859

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Conversion Factors For Type. Source = INTERBULL MACE 2204
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	-1.897	2.5347	
AYS	MAMMARY SYSTEM	GBR	OVERALL UDDER SCORE	-1.209	2.8329	
AYS	STATURE	GBR	STATURE	-3.133	4.5542	
AYS	CHEST WIDTH	GBR	CHEST WIDTH	1.435	3.9303	

AYS	BODY DEPTH	GBR	BODY DEPTH	0.161	3.3582
AYS	PIN WIDTH	GBR	RUMP WIDTH	-1.017	3.9946
AYS	RUMP ANGLE	GBR	RUMP ANGLE	-1.679	3.7473
AYS	FOOT ANGLE	GBR	FOOT ANGLE	-1.898	3.1883
AYS	REAR LEGS SIDE VIEW	GBR	REAR LEG SET	-0.012	3.2628
AYS	UDDER DEPTH	GBR	UDDER DEPTH	-0.809	3.0558
AYS	MEDIAN SUSPENSORY	GBR	MEDIAN SUSPENSORY	-2.068	2.6844
AYS	FORE ATTACHMENT	GBR	FORE UDDER	-0.104	3.3756
AYS	TEAT PLACEMENT	GBR	FRONT TEAT PLACEMENT	1.910	3.5792
AYS	TEAT LENGTH	GBR	TEAT LENGTH	-0.409	3.3595
AYS	REAR ATTACHMENT HEIGHT	GBR	REAR UDDER HEIGHT	-2.681	3.4797
AYS	ANGULARITY	GBR	ANGULARITY	-6.003	4.9043

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Conversion Factors For Type. Source = INTERBULL MACE 2204
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	-13.652	8.8002	
AYS	CHEST WIDTH	LVA	CHEST WIDTH	-3.983	16.8076	
AYS	BODY DEPTH	LVA	BODY DEPTH	-5.796	14.7188	
AYS	PIN WIDTH	LVA	RUMP WIDTH	-7.221	13.2413	
AYS	RUMP ANGLE	LVA	RUMP ANGLE	-11.234	13.5916	
AYS	FOOT ANGLE	LVA	FOOT ANGLE	-1.986	16.6379	
AYS	REAR LEGS SIDE VIEW	LVA	REAR LEG SET	-8.302	18.2663	
AYS	REAR LEG REAR VIEW	LVA	REAR LEG REAR VIEW	-5.677	22.8489	
AYS	UDDER DEPTH	LVA	UDDER DEPTH	-9.870	12.2901	

AYS	MEDIAN SUSPENSORY	LVA	MEDIAN SUSPENSORY	-7.610	12.6388
AYS	FORE ATTACHMENT	LVA	FORE UDDER	-11.556	13.4813
AYS	TEAT PLACEMENT	LVA	FRONT TEAT PLACEMENT	-7.043	13.5135
AYS	TEAT LENGTH	LVA	TEAT LENGTH	-3.388	9.3877
AYS	REAR ATTACHMENT HEIGHT	LVA	REAR UDDER HEIGHT	-15.420	11.8182
AYS	REAR TEAT PLACEMENT	LVA	REAR TEAT PLACEMENT	-11.779	15.5951
AYS	ANGULARITY	LVA	ANGULARITY	-15.852	17.2334

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Conversion Factors For Type. Source = INTERBULL MACE 2204
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	-110.157	1.1432	0.5
2						
AYS	FEET AND LEGS	NLD	OVERALL FEET & LEG	-46.807	0.4608	
AYS	MAMMARY SYSTEM	NLD	OVERALL UDDER SCORE	-113.004	1.1985	
AYS	STATURE	NLD	STATURE	-110.879	1.2314	
AYS	CHEST WIDTH	NLD	CHEST WIDTH	-133.573	1.4472	
AYS	BODY DEPTH	NLD	BODY DEPTH	-104.366	1.1647	
AYS	PIN WIDTH	NLD	RUMP WIDTH	-84.161	0.9052	
AYS	RUMP ANGLE	NLD	RUMP ANGLE	-101.014	1.0080	
AYS	FOOT ANGLE	NLD	FOOT ANGLE	-94.178	0.9767	
AYS	REAR LEGS SIDE VIEW	NLD	REAR LEG SET	-121.133	1.1798	
AYS	REAR LEG REAR VIEW	NLD	REAR LEG REAR VIEW	-122.042	1.2360	
AYS	UDDER DEPTH	NLD	UDDER DEPTH	-125.151	1.3159	
AYS	MEDIAN SUSPENSORY	NLD	MEDIAN SUSPENSORY	-103.336	1.0441	

AYS	FORE ATTACHMENT	NLD	FORE UDDER	-124.133	1.2801
AYS	TEAT PLACEMENT	NLD	FRONT TEAT PLACEMENT	-114.138	1.1983
AYS	TEAT LENGTH	NLD	TEAT LENGTH	-86.551	0.8863
AYS	REAR ATTACHMENT HEIGHT	NLD	REAR UDDER HEIGHT	-96.902	1.0237
AYS	REAR TEAT PLACEMENT	NLD	REAR TEAT PLACEMENT	-107.061	1.1026
AYS	ANGULARITY	NLD	ANGULARITY	-100.585	1.0953

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 Conversion Factors For Type. Source = INTERBULL MACE 2204
 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	-30.930	0.2168	0.4
8						
AYS	FEET AND LEGS	NOR	OVERALL FEET & LEG	-28.466	0.2291	
AYS	MAMMARY SYSTEM	NOR	OVERALL UDDER SCORE	-42.163	0.3245	
AYS	STATURE	NOR	STATURE	-49.817	0.4306	
AYS	CHEST WIDTH	NOR	CHEST WIDTH	-34.486	0.3931	
AYS	BODY DEPTH	NOR	BODY DEPTH	-37.059	0.3285	
AYS	PIN WIDTH	NOR	RUMP WIDTH	-36.425	0.3797	
AYS	RUMP ANGLE	NOR	RUMP ANGLE	-44.800	0.4661	
AYS	FOOT ANGLE	NOR	FOOT ANGLE	-37.997	0.3530	
AYS	REAR LEGS SIDE VIEW	NOR	REAR LEG SET	-42.225	0.4696	
AYS	REAR LEG REAR VIEW	NOR	REAR LEG REAR VIEW	-43.091	0.3863	
AYS	UDDER DEPTH	NOR	UDDER DEPTH	-43.995	0.3728	
AYS	MEDIAN SUSPENSORY	NOR	MEDIAN SUSPENSORY	-42.422	0.3408	
AYS	FORE ATTACHMENT	NOR	FORE UDDER	-46.145	0.3929	
AYS	FRONT TEAT PLACEMENT	NOR	FRONT TEAT PLACEMENT	-40.988	0.3673	

AYS	TEAT LENGTH	NOR	TEAT LENGTH	-37.411	0.3644
AYS	REAR ATTACHMENT HEIGHT	NOR	REAR UDDER HEIGHT	-49.866	0.3871
AYS	REAR TEAT PLACEMENT	NOR	REAR TEAT PLACEMENT	-39.758	0.3679
AYS	ANGULARITY	NOR	ANGULARITY	-47.084	0.3359

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Conversion Factors For Type. Source = INTERBULL MACE 2204
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	-8.999	10.2458	0.3
2						
AYS	MAMMARY SYSTEM	NZL	OVERALL UDDER SCORE	-10.176	12.4328	
AYS	STATURE	NZL	STATURE	-12.624	11.3368	
AYS	CHEST WIDTH	NZL	CHEST WIDTH	0.590	13.0898	
AYS	BODY DEPTH	NZL	BODY DEPTH	-0.962	10.7491	
AYS	PIN WIDTH	NZL	RUMP WIDTH	-5.128	16.1953	
AYS	RUMP ANGLE	NZL	RUMP ANGLE	-4.812	18.6538	
AYS	REAR LEGS SIDE VIEW	NZL	REAR LEG SET	5.356	36.5866	
AYS	MEDIAN SUSPENSORY	NZL	MEDIAN SUSPENSORY	-7.398	11.4983	
AYS	FORE ATTACHMENT	NZL	FORE UDDER	-8.218	12.3160	
AYS	FRONT TEAT PLACEMENT	NZL	FRONT TEAT PLACEMENT	-6.403	21.4870	
AYS	TEAT LENGTH	NZL	TEAT LENGTH	5.729	12.5049	
AYS	REAR ATTACHMENT HEIGHT	NZL	REAR UDDER HEIGHT	-8.948	13.3534	
AYS	REAR TEAT PLACEMENT	NZL	REAR TEAT PLACEMENT	-6.677	17.2184	

Conversion Factors For Type. Source = INTERBULL MACE 2204
 Converted Canadian Proof = A + (B* Foreign Proof)
 Converted Proof Reliability = TCORR2*Foreign Reliability

country2=USA

	c a n t r e e d	c o u n t r y	f o r e i g n	a d j u s t e d	b v a l u e	t c o r r e c t e d	2
AYS	CONFORMATION	USA	CONFORMATION	-2.822	6.5042	0.6	
AYS	FEET AND LEGS	USA	OVERALL FEET & LEG	-2.577	2.0990		
AYS	MAMMARY SYSTEM	USA	OVERALL UDDER SCORE	-1.321	4.7487		
AYS	STATURE	USA	STATURE	0.297	2.5880		
AYS	CHEST WIDTH	USA	CHEST WIDTH	0.680	4.6777		
AYS	BODY DEPTH	USA	BODY DEPTH	0.389	3.5142		
AYS	PIN WIDTH	USA	RUMP WIDTH	0.762	3.7935		
AYS	RUMP ANGLE	USA	RUMP ANGLE	-1.980	3.5246		
AYS	FOOT ANGLE	USA	FOOT ANGLE	-1.533	5.0258		
AYS	REAR LEGS SIDE VIEW	USA	REAR LEG SET	-0.058	6.6852		
AYS	REAR LEG REAR VIEW	USA	REAR LEG REAR VIEW	-2.485	-5.2928		
AYS	UDDER DEPTH	USA	UDDER DEPTH	-0.300	4.1874		
AYS	MEDIAN SUSPENSORY	USA	MEDIAN SUSPENSORY	-3.168	3.8837		
AYS	FORE ATTACHMENT	USA	FORE UDDER	-0.541	3.4821		
AYS	TEAT PLACEMENT	USA	FRONT TEAT PLACEMENT	-0.669	3.6724		
AYS	TEAT LENGTH	USA	TEAT LENGTH	1.121	2.8123		
AYS	REAR ATTACHMENT HEIGHT	USA	REAR UDDER HEIGHT	-1.325	3.5243		
AYS	REAR TEAT PLACEMENT	USA	REAR TEAT PLACEMENT	-0.069	3.8480		
AYS	ANGULARITY	USA	ANGULARITY	-1.424	4.8962		

 CALCULATION OF FAT% AND PROTEIN% FOR APRIL 2022

BREED	BMILK	BFAT	BPRT
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AYS	8014	334	275
BSW	8483	359	303
CN	5938	257	216
GUE	6927	318	245
JER	7049	364	274
HOL	10834	430	355
MS	7485	288	248

$EBVFAT\% = 200 * [(BFAT + EBVFAT * 0.5) / (BMILK + EBVMILK * 0.5) - (BFAT / BMILK)]$
 $EBVPROT\% = 200 * [(BPRT + EBVPRT * 0.5) / (BMILK + EBVMILK * 0.5) - (BPRT / BMILK)]$

EXAMPLE:

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

$EBVFAT\% = 200 * [(430 + 50 * .5) / (10834 + 1000 * .5) - (430 / 11E3)]$
 $= 200 * [(430 + 25) / (10834 + 500) - (0.03969)]$
 $= 200 * [0.04014 - 0.03969]$
 $= 200 * 0.00045$
 $= 0.09$

$EBVPROT\% = 200 * [(355 + 40 * .5) / (10834 + 1000 * .5) - (355 / 11E3)]$
 $= 200 * [(355 + 20) / (10834 + 500) - (0.03277)]$
 $= 200 * [0.03309 - 0.03277]$
 $= 200 * 0.00032$
 $= 0.06$