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|-----|------------------------|-----|----------------------|---------|--------|
| GUE | TEAT PLACEMENT | AUS | FRONT TEAT PLACEMENT | -77.002 | 0.7647 |
| GUE | TEAT LENGTH | AUS | TEAT LENGTH | -56.252 | 0.5777 |
| GUE | REAR ATTACHMENT HEIGHT | AUS | REAR UDDER HEIGHT | -80.224 | 0.7853 |
| GUE | REAR TEAT PLACEMENT | AUS | REAR TEAT PLACEMENT | -68.915 | 0.6918 |
| GUE | ANGULARITY | AUS | ANGULARITY | -58.396 | 0.5830 |

Conversion Factors For Type. Source = INTERBULL MACE 1612
 Converted Canadian Proof = A + (B* Foreign Proof)
 Converted Proof Reliability = TCORR2*Foreign Reliability

country2=GBR

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| e | a | | r | a | | l | l | r |
| e | i | | y | i | | u | u | r |
| d | t | | 2 | t | | e | e | 2 |
| GUE | FEET AND LEGS | GBR | OVERALL FEET & LEG | 0.392 | 3.7923 | | | |
| GUE | MAMMARY SYSTEM | GBR | OVERALL UDDER SCORE | -1.424 | 4.8906 | | | |
| GUE | STATURE | GBR | STATURE | -6.532 | 5.7719 | | | |
| GUE | CHEST WIDTH | GBR | CHEST WIDTH | -0.214 | 3.9038 | | | |
| GUE | BODY DEPTH | GBR | BODY DEPTH | -1.977 | 3.9576 | | | |
| GUE | PIN WIDTH | GBR | RUMP WIDTH | -1.115 | 4.3825 | | | |
| GUE | RUMP ANGLE | GBR | RUMP ANGLE | -0.144 | 3.6818 | | | |
| GUE | FOOT ANGLE | GBR | FOOT ANGLE | 0.441 | 3.4583 | | | |
| GUE | REAR LEGS SIDE VIEW | GBR | REAR LEG SET | -0.727 | 3.5897 | | | |
| GUE | UDDER DEPTH | GBR | UDDER DEPTH | -0.017 | 3.6766 | | | |
| GUE | MEDIAN SUSPENSORY | GBR | MEDIAN SUSPENSORY | -1.035 | 2.9275 | | | |
| GUE | FORE ATTACHMENT | GBR | FORE UDDER | 0.043 | 4.4965 | | | |
| GUE | TEAT PLACEMENT | GBR | FRONT TEAT PLACEMENT | -0.870 | 4.3530 | | | |
| GUE | TEAT LENGTH | GBR | TEAT LENGTH | -0.651 | 2.3516 | | | |
| GUE | REAR ATTACHMENT HEIGHT | GBR | REAR UDDER HEIGHT | -3.691 | 2.5445 | | | |
| GUE | ANGULARITY | GBR | ANGULARITY | -4.487 | 4.4494 | | | |

Conversion Factors For Type. Source = INTERBULL MACE 1612
 Converted Canadian Proof = A + (B* Foreign Proof)
 Converted Proof Reliability = TCORR2*Foreign Reliability

country2=USA

| | c | | c | f | | | | |
|-----|----------------|-----|------------------------|-------|--------|------|---|---|
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| d | t | | 2 | t | | e | e | 2 |
| GUE | CONFORMATION | USA | PTA TYPE (FINAL SCORE) | 1.901 | 5.5584 | 0.62 | | |
| GUE | FEET AND LEGS | USA | OVERALL FEET & LEG | 1.102 | 4.6979 | | | |
| GUE | MAMMARY SYSTEM | USA | OVERALL UDDER SCORE | 1.669 | 9.6221 | | | |

| | | | | | |
|-----|------------------------|-----|-----------------------|--------|--------|
| GUE | STATURE | USA | STATURE | -0.279 | 2.5349 |
| GUE | CHEST WIDTH | USA | STRENGTH | 1.107 | 4.6742 |
| GUE | BODY DEPTH | USA | BODY DEPTH | 0.817 | 3.1776 |
| GUE | PIN WIDTH | USA | THURL WIDTH | 0.645 | 4.3640 |
| GUE | RUMP ANGLE | USA | RUMP ANGLE | 0.298 | 3.7422 |
| GUE | FOOT ANGLE | USA | FOOT ANGLE | 1.749 | 8.2720 |
| GUE | REAR LEGS SIDE VIEW | USA | REAR LEGS - SIDE VIEW | -0.848 | 6.8709 |
| GUE | REAR LEG REAR VIEW | USA | REAR LEG REAR VIEW | -0.322 | 8.7014 |
| GUE | UDDER DEPTH | USA | UDDER DEPTH | 0.828 | 3.4976 |
| GUE | MEDIAN SUSPENSORY | USA | UDDER CLEFT | -0.016 | 4.8137 |
| GUE | FORE ATTACHMENT | USA | FORE UDDER ATTACHMENT | 1.405 | 4.1128 |
| GUE | FRONT TEAT PLACEMENT | USA | FRONT TEAT PLACEMENT | 0.322 | 3.7841 |
| GUE | TEAT LENGTH | USA | TEAT LENGTH | -0.318 | 3.1236 |
| GUE | REAR ATTACHMENT HEIGHT | USA | REAR UDDER HEIGHT | -0.368 | 3.4035 |
| GUE | REAR TEAT PLACEMENT | USA | REAR TEAT PLACEMENT | 0.938 | 3.5910 |
| GUE | ANGULARITY | USA | DAIRY FORM | 0.427 | 3.4572 |

CALCULATION OF FAT% AND PROTEIN% FOR DECEMBER 2016

| BREED | BMILK | BFAT | BPRT |
|-------|-------|-------|-------|
| ----- | ----- | ----- | ----- |
| AYS | 7597 | 314 | 257 |
| BSW | 8157 | 342 | 287 |
| CN | 5698 | 247 | 203 |
| GUE | 6765 | 320 | 234 |
| JER | 6462 | 323 | 247 |
| HOL | 9994 | 384 | 320 |
| MS | 6326 | 244 | 210 |

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

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

EXAMPLE :

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

$$\begin{aligned}
 EBVFAT\% &= 200 * [(384 + 50 * .5) / (9994 + 1000 * .5) - (384 / 9994)] \\
 &= 200 * [(384 + 25) / (9994 + 500) - (0.03842)] \\
 &= 200 * [0.03897 - 0.03842] \\
 &= 200 * 0.00055 \\
 &= 0.11
 \end{aligned}$$

$$\begin{aligned}
 EBVPROT\% &= 200 * [(320 + 40 * .5) / (9994 + 1000 * .5) - (320 / 9994)] \\
 &= 200 * [(320 + 20) / (9994 + 500) - (0.03202)] \\
 &= 200 * [0.03240 - 0.03202] \\
 &= 200 * 0.00038 \\
 &= 0.08
 \end{aligned}$$