

AVERAGE AND RANGE OF PROOFS FOR RECENTLY PROGENY-TESTED AI BULLS*

Bulls	PROTEIN		FAT		COMPOSITES								
	PTAP	PTA%P	PTAF	PTA%F	PTAM	NM\$	PTAT	UDC	FLC	PL	DPR	SCS	TPI
TOP 1%	73 (68 to 102)	0.15 (0.14 to 0.23)	116 (104 to 156)	0.36 (0.32 to 0.42)	2539 (2256 to 3565)	972 (917 to 1274)	3.16 (2.86 to 3.75)	2.73 (2.52 to 3.39)	1.91 (1.68 to 3.24)	6.7 (6.3 to 8.1)	5.3 (4.3 to 8.1)	2.48 (2.37 to 2.51)	2904 (2848 to 3190)
TOP 5%	63 (56 to 102)	0.12 (0.10 to 0.23)	97 (85 to 156)	0.28 (0.24 to 0.42)	2068 (1759 to 3565)	867 (793 to 1274)	2.52 (2.07 to 3.75)	2.33 (2.07 to 3.39)	1.50 (1.23 to 3.24)	5.8 (5.2 to 8.1)	3.7 (2.7 to 8.1)	2.56 (2.37 to 2.61)	2806 (2737 to 3190)
TOP 10%	58 (50 to 102)	0.10 (0.08 to 0.23)	88 (74 to 156)	0.25 (0.20 to 0.42)	1847 (1506 to 3565)	813 (725 to 1274)	2.19 (1.72 to 3.75)	2.14 (1.85 to 3.39)	1.29 (0.98 to 3.24)	5.4 (4.7 to 8.1)	3.0 (2.0 to 8.1)	2.60 (2.37 to 2.66)	2755 (2674 to 3190)
TOP 20%	52 (43 to 102)	0.09 (0.07 to 0.23)	77 (62 to 156)	0.21 (0.15 to 0.42)	1594 (1200 to 3565)	742 (628 to 1274)	1.86 (1.36 to 3.75)	1.91 (1.54 to 3.39)	1.06 (0.70 to 3.24)	4.8 (3.9 to 8.1)	2.3 (1.3 to 8.1)	2.65 (2.37 to 2.72)	2692 (2589 to 3190)
TOP 30%	48 (38 to 102)	0.07 (0.05 to 0.23)	70 (53 to 156)	0.19 (0.12 to 0.42)	1423 (981 to 3565)	692 (559 to 1274)	1.65 (1.12 to 3.75)	1.75 (1.35 to 3.39)	0.90 (0.50 to 3.24)	4.3 (3.3 to 8.1)	1.8 (0.7 to 8.1)	2.68 (2.37 to 2.77)	2647 (2531 to 3190)
TOP 40%	45 (33 to 102)	0.07 (0.04 to 0.23)	65 (46 to 156)	0.16 (0.09 to 0.42)	1289 (793 to 3565)	650 (496 to 1274)	1.49 (0.93 to 3.75)	1.62 (1.16 to 3.39)	0.79 (0.34 to 3.24)	4.1 (2.9 to 8.1)	1.5 (0.2 to 8.1)	2.71 (2.37 to 2.81)	2612 (2481 to 3190)
TOP 50%	42 (29 to 102)	0.06 (0.03 to 0.23)	61 (40 to 156)	0.14 (0.06 to 0.42)	1173 (619 to 3565)	614 (442 to 1274)	1.36 (0.75 to 3.75)	1.52 (1.00 to 3.39)	0.68 (0.17 to 3.24)	3.8 (2.4 to 8.1)	1.2 (-0.2 to 8.1)	2.74 (2.37 to 2.86)	2580 (2436 to 3190)

*All bulls entered AI since February 2015 (Received first proof in past 4 years)

*August 2022 official proofs from USDA-AIPL and Holstein Association USA

*Must be in NAAB cross-reference system

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Bulls	PROTEIN		FAT		COMPOSITES								
	PTAP	PTA%P	PTAF	PTA%F	PTAM	NM\$	PTAT	UDC	FLC	PL	DPR	SCS	TPI
TOP 60%	39 (24 to 102)	0.06 (0.02 to 0.23)	57 (33 to 156)	0.13 (0.03 to 0.42)	1066 (443 to 3565)	581 (391 to 1274)	1.25 (0.59 to 3.75)	1.42 (0.82 to 3.39)	0.58 (0.00 to 3.24)	3.5 (2.0 to 8.1)	0.9 (-0.6 to 8.1)	2.76 (2.37 to 2.90)	2553 (2392 to 3190)
TOP 70%	37 (19 to 102)	0.05 (0.01 to 0.23)	53 (26 to 156)	0.11 (0.00 to 0.42)	964 (259 to 3565)	550 (338 to 1274)	1.14 (0.42 to 3.75)	1.32 (0.62 to 3.39)	0.48 (-0.19 to 3.24)	3.2 (1.4 to 8.1)	0.7 (-1.1 to 8.1)	2.78 (2.37 to 2.94)	2527 (2341 to 3190)
TOP 80%	34 (14 to 102)	0.05 (0.00 to 0.23)	49 (18 to 156)	0.10 (-.03 to 0.42)	863 (32 to 3565)	519 (268 to 1274)	1.04 (0.21 to 3.75)	1.21 (0.39 to 3.39)	0.38 (-0.41 to 3.24)	3.0 (0.8 to 8.1)	0.4 (-1.6 to 8.1)	2.81 (2.37 to 3.00)	2500 (2280 to 3190)
TOP 90%	32 (5 to 102)	0.04 (-.02 to 0.23)	45 (7 to 156)	0.08 (-.08 to 0.42)	753 (-307 to 3565)	487 (163 to 1274)	0.93 (-0.11 to 3.75)	1.11 (0.05 to 3.39)	0.28 (-0.72 to 3.24)	2.7 (-0.1 to 8.1)	0.2 (-2.3 to 8.1)	2.83 (2.37 to 3.07)	2471 (2178 to 3190)
ALL	28 (-80 to 102)	0.03 (-.12 to 0.23)	40 (-92 to 156)	0.06 (-.29 to 0.42)	606 (-2717 to 3565)	433 (-843 to 1274)	0.78 (-4.94 to 3.75)	0.96 (-4.22 to 3.39)	0.15 (-2.94 to 3.24)	2.3 (-6.8 to 8.1)	-0.2 (-6.2 to 8.1)	2.86 (2.37 to 3.88)	2425 (1127 to 3190)
No. Bulls	6014	6014	6014	6014	6014	6014	4195	4195	4195	6014	6014	6014	4178

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