



**Percentiles of ABCs at PATBQ
(Imperial system)**

Percentiles (%)	Birth weight (lb)	Direct calving ease (%)	Gain birth to weaning (lb)	Post-weaning gain (lb)	Gain birth to yearling (lb)	Maternal calving ease (%)	Maternal milk (lb)	Hip height (in)	Back fat (mm)	Rib eye area (in ²)	Marbling (%)	Scrotal circumference (cm)	ESI on base 100
1	-6.8	7.6	27.7	29.4	50.3	6.6	16.7	1.03	1.42	0.83	0.50	1.96	131.9
5	-4.6	5.3	18.3	20.1	33.9	4.7	10.9	0.71	1.06	0.58	0.37	1.29	122.2
10	-3.5	4.1	14.0	15.6	26.4	3.8	8.2	0.56	0.88	0.45	0.32	1.04	117.5
15	-2.9	3.4	11.4	12.8	21.6	3.1	6.6	0.46	0.76	0.37	0.28	0.89	113.3
20	-2.3	2.8	9.3	10.7	17.9	2.6	5.3	0.38	0.67	0.30	0.24	0.76	110.9
25	-1.9	2.3	7.6	8.9	14.8	2.2	4.2	0.31	0.56	0.24	0.21	0.66	108.6
30	-1.5	1.9	6.1	7.4	12.2	1.8	3.3	0.24	0.45	0.19	0.17	0.57	106.9
35	-1.1	1.4	4.7	6.0	9.7	1.4	2.4	0.18	0.33	0.14	0.13	0.49	105.4
40	-0.8	1.0	3.4	4.7	7.3	1.1	1.5	0.12	0.15	0.08	0.05	0.40	104.1
45	-0.5	0.7	2.1	3.5	5.1	0.8	0.7	0.05	-0.06	0.03	-0.05	0.31	102.3
50	-0.1	0.3	0.9	2.3	2.8	0.4	-0.1	-0.02	-0.23	-0.02	-0.11	0.24	100.9
55	0.2	-0.1	-0.4	1.1	0.6	0.1	-1.0	-0.10	-0.34	-0.07	-0.15	0.14	99.0
60	0.6	-0.6	-1.6	-0.2	-1.7	-0.3	-1.9	-0.17	-0.44	-0.13	-0.17	0.04	97.0
65	1.0	-1.0	-2.9	-1.5	-4.2	-0.7	-2.8	-0.24	-0.52	-0.21	-0.19	-0.07	95.1
70	1.5	-1.5	-4.4	-3.0	-6.7	-1.2	-3.9	-0.31	-0.60	-0.29	-0.21	-0.19	93.5
75	1.9	-2.1	-6.0	-4.7	-9.6	-1.7	-5.0	-0.39	-0.68	-0.37	-0.23	-0.34	92.1
80	2.5	-2.8	-7.7	-6.7	-13.0	-2.3	-6.3	-0.48	-0.75	-0.44	-0.25	-0.52	89.8
85	3.2	-3.6	-9.7	-9.2	-17.3	-3.1	-8.0	-0.57	-0.84	-0.50	-0.28	-0.71	86.4
90	4.1	-4.7	-12.5	-12.8	-22.9	-4.3	-10.0	-0.68	-0.94	-0.57	-0.31	-0.96	82.5
95	5.5	-6.6	-16.8	-19.6	-32.6	-6.7	-13.4	-0.83	-1.09	-0.66	-0.36	-1.28	76.4
99	8.3	-11.0	-26.7	-33.7	-54.3	-14.1	-20.1	-1.12	-1.42	-0.90	-0.49	-1.87	61.5

ESI = Economic selection index (for bulls)

Reference calves crop : Calves born from 2016 to 2020

Source: PATBQ, September 2021 run

Update : 2021.09.27

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**Percentiles of ABCs at PATBQ
(International unit system)**

Percentiles (%)	Birth weight (kg)	Direct calving ease (%)	Gain birth to weaning (kg)	Post-weaning gain (kg)	Gain birth to yearling (kg)	Maternal calving ease (%)	Maternal milk (kg)	Hip height (cm)	Back fat (mm)	Rib eye area (cm ²)	Marbling (%)	Scrotal circumference (cm)	ESI on base 100
1	-3.1	7.6	12.6	13.3	22.8	6.6	7.6	2.62	1.42	5.34	0.50	1.96	131.9
5	-2.1	5.3	8.3	9.1	15.4	4.7	4.9	1.81	1.06	3.73	0.37	1.29	122.2
10	-1.6	4.1	6.4	7.1	12.0	3.8	3.7	1.41	0.88	2.87	0.32	1.04	117.5
15	-1.3	3.4	5.2	5.8	9.8	3.1	3.0	1.17	0.76	2.36	0.28	0.89	113.3
20	-1.0	2.8	4.2	4.9	8.1	2.6	2.4	0.97	0.67	1.92	0.24	0.76	110.9
25	-0.9	2.3	3.4	4.0	6.7	2.2	1.9	0.78	0.56	1.55	0.21	0.66	108.6
30	-0.7	1.9	2.8	3.4	5.5	1.8	1.5	0.60	0.45	1.22	0.17	0.57	106.9
35	-0.5	1.4	2.1	2.7	4.4	1.4	1.1	0.46	0.33	0.90	0.13	0.49	105.4
40	-0.4	1.0	1.5	2.1	3.3	1.1	0.7	0.31	0.15	0.52	0.05	0.40	104.1
45	-0.2	0.7	1.0	1.6	2.3	0.8	0.3	0.13	-0.06	0.22	-0.05	0.31	102.3
50	0.0	0.3	0.4	1.0	1.3	0.4	0.0	-0.05	-0.23	-0.11	-0.11	0.24	100.9
55	0.1	-0.1	-0.2	0.5	0.3	0.1	-0.5	-0.24	-0.34	-0.47	-0.15	0.14	99.0
60	0.3	-0.6	-0.7	-0.1	-0.8	-0.3	-0.9	-0.42	-0.44	-0.85	-0.17	0.04	97.0
65	0.5	-1.0	-1.3	-0.7	-1.9	-0.7	-1.3	-0.60	-0.52	-1.33	-0.19	-0.07	95.1
70	0.7	-1.5	-2.0	-1.4	-3.0	-1.2	-1.8	-0.79	-0.60	-1.84	-0.21	-0.19	93.5
75	0.9	-2.1	-2.7	-2.1	-4.4	-1.7	-2.3	-0.99	-0.68	-2.40	-0.23	-0.34	92.1
80	1.1	-2.8	-3.5	-3.0	-5.9	-2.3	-2.9	-1.21	-0.75	-2.85	-0.25	-0.52	89.8
85	1.5	-3.6	-4.4	-4.2	-7.8	-3.1	-3.6	-1.44	-0.84	-3.23	-0.28	-0.71	86.4
90	1.9	-4.7	-5.7	-5.8	-10.4	-4.3	-4.5	-1.72	-0.94	-3.66	-0.31	-0.96	82.5
95	2.5	-6.6	-7.6	-8.9	-14.8	-6.7	-6.1	-2.10	-1.09	-4.28	-0.36	-1.28	76.4
99	3.8	-11.0	-12.1	-15.3	-24.6	-14.1	-9.1	-2.83	-1.42	-5.77	-0.49	-1.87	61.5

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