

Table 1. Mean EPD of project bulls by year and selection line.

Trait	Line	Year	n	Mean	SD	Min	Max	Mean accuracy	
BWT	Q	1998	39	2.57	1.71	-1.80	6.50	0.41	
		1999	44	2.51	1.28	-0.50	4.80	0.41	
		2000	69	2.45	1.83	-4.20	6.10	0.37	
	R	1998	37	2.19	1.63	-1.20	5.40	0.42	
		1999	38	2.47	1.77	-2.40	6.70	0.42	
		2000	51	1.96	1.78	-2.60	6.20	0.36	
	Breed average for 1998-born				2.61	1.70	-6.60	11.90	0.42
	Breed average for 1999-born				2.62	1.68	-9.30	13.30	0.37
	Breed average for 2000-born				2.64	1.65	-6.00	12.70	0.33
	WWT	Q	1998	39	30.77	5.51	20.00	44.00	0.40
1999			44	28.98	5.24	13.00	38.00	0.39	
2000			69	32.64	6.01	18.00	49.00	0.35	
R		1998	37	29.00	5.37	19.00	40.00	0.41	
		1999	38	29.02	6.84	12.00	45.00	0.41	
		2000	51	31.16	6.22	19.00	42.00	0.35	
Breed average for 1998-born				29.63	8.34	-35.00	78.00	0.40	
Breed average for 1999-born				30.81	8.27	-31.00	74.00	0.36	
Breed average for 2000-born				32.07	8.14	-29.00	68.00	0.33	
Milk		Q	1998	39	17.38	4.13	8.00	26.00	0.35
	1999		44	18.20	4.48	9.00	28.00	0.35	
	2000		69	18.88	3.46	11.00	28.00	0.27	
	R	1998	37	15.92	4.79	7.00	26.00	0.36	
		1999	38	15.55	4.69	5.00	23.00	0.36	
		2000	51	19.10	4.63	8.00	26.00	0.25	
	Breed average for 1998-born				14.31	5.84	-16.00	42.00	0.36
	Breed average for 1999-born				15.06	5.70	-13.00	40.00	0.31
	Breed average for 2000-born				15.84	5.52	-10.00	42.00	0.26
	YWT	Q	1998	39	57.17	8.44	43.00	85.00	0.33
1999			44	55.13	9.85	32.00	70.00	0.32	
2000			69	62.48	10.41	43.00	95.00	0.27	
R		1998	37	56.84	10.50	43.00	77.00	0.34	
		1999	38	56.53	12.38	17.00	78.00	0.33	
		2000	51	61.51	11.58	41.00	86.00	0.27	
Breed average for 1998-born				54.57	14.74	-56.00	136.00	0.30	
Breed average for 1999-born				56.90	14.49	-49.00	138.00	0.25	
Breed average for 2000-born				59.45	14.31	-53.00	117.00	0.21	

Table 2. Mean EPD of project heifers by year and selection line.

Trait	Line	Year	n	Mean	SD	Min	Max	Mean accuracy	
BWT	Q	1998	76	3.47	1.94	-3.60	6.70	0.65	
		1999	33	2.52	1.17	-0.10	5.10	0.59	
		2000	51	2.67	1.44	0.10	6.10	0.37	
	R	1998	78	3.10	1.85	-1.30	6.80	0.65	
		1999	36	2.17	1.77	-1.60	6.50	0.53	
		2000	73	1.92	1.71	-1.70	6.60	0.36	
	Breed average for 1998-born				2.61	1.70	-6.60	11.90	0.42
	Breed average for 1999-born				2.62	1.68	-9.30	13.30	0.37
	Breed average for 2000-born				2.64	1.65	-6.00	12.70	0.33
WWT	Q	1998	76	33.23	5.84	15.00	47.00	0.60	
		1999	33	30.76	5.06	20.00	43.00	0.55	
		2000	51	32.71	6.54	19.00	47.00	0.35	
	R	1998	78	32.78	6.34	19.00	45.00	0.61	
		1999	36	28.38	5.92	15.00	40.00	0.50	
		2000	73	31.71	6.27	13.00	44.00	0.35	
	Breed average for 1998-born				29.63	8.34	-35.00	78.00	0.40
	Breed average for 1999-born				30.81	8.27	-31.00	74.00	0.36
	Breed average for 2000-born				32.07	8.14	-29.00	68.00	0.33
Milk	Q	1998	76	18.49	5.05	6.00	29.00	0.59	
		1999	33	17.33	4.77	5.00	26.00	0.50	
		2000	51	18.02	3.64	10.00	25.00	0.26	
	R	1998	78	17.47	5.99	2.00	29.00	0.59	
		1999	36	16.64	4.81	8.00	25.00	0.46	
		2000	73	17.90	4.39	8.00	26.00	0.26	
	Breed average for 1998-born				14.31	5.84	-16.00	42.00	0.36
	Breed average for 1999-born				15.06	5.70	-13.00	40.00	0.31
	Breed average for 2000-born				15.84	5.52	-10.00	42.00	0.26
YWT	Q	1998	76	63.09	9.92	35.00	86.00	0.59	
		1999	33	58.85	7.76	40.00	82.00	0.51	
		2000	51	62.98	10.44	36.00	85.00	0.27	
	R	1998	78	64.06	10.03	41.00	92.00	0.59	
		1999	36	54.92	8.87	34.00	73.00	0.45	
		2000	73	60.92	11.42	23.00	91.00	0.28	
	Breed average for 1998-born				54.57	14.74	-56.00	136.00	0.30
	Breed average for 1999-born				56.90	14.49	-49.00	138.00	0.25
	Breed average for 2000-born				59.45	14.31	-53.00	117.00	0.21