



# BOLT Fall 2023 Genetic Evaluation

## Breed Average

	CE	BW	WW	YW	MCE	Milk	MWW	STAY	DOC	CWT	REA	FAT	MARB	API	TI
<b>Current</b>	<b>7.6</b>	<b>3.6</b>	<b>76.6</b>	<b>112.3</b>	<b>4.1</b>	<b>28.6</b>	<b>66.9</b>	<b>15.4</b>	<b>10.6</b>	<b>26.6</b>	<b>0.87</b>	<b>-0.108</b>	<b>-0.05</b>	<b>110.5</b>	<b>70.0</b>
<b>Sires</b>	<b>7.8</b>	<b>3.5</b>	<b>75.7</b>	<b>110.9</b>	<b>4.1</b>	<b>28.8</b>	<b>66.6</b>	<b>14.9</b>	<b>10.4</b>	<b>26.3</b>	<b>0.86</b>	<b>-0.109</b>	<b>-0.06</b>	<b>109.2</b>	<b>69.4</b>
<b>Dams</b>	<b>6.7</b>	<b>4.1</b>	<b>74.0</b>	<b>108.0</b>	<b>3.6</b>	<b>28.9</b>	<b>65.9</b>	<b>15.7</b>	<b>10.0</b>	<b>24.8</b>	<b>0.85</b>	<b>-0.110</b>	<b>-0.06</b>	<b>107.9</b>	<b>67.7</b>

Current Population – all calves born in the last 2 years (2021-2023)

Active Sire – any sire with a calf reported in the last 2 years (2021-2023)

Active Dam – any dam with a calf reported in the last 2 years (2021-2023)

## Percentiles

Percentiles show where an animal stands within the Simmental population. The following percentiles are based on CSA current calves (2021-2023).

PCTL	CE	BW	WW	YW	MCE	Milk	MWW	STAY	DOC	CWT	REA	FAT	MARB	API	TI
<b>Avg</b>	<b>7.6</b>	<b>3.6</b>	<b>76.6</b>	<b>112.3</b>	<b>4.1</b>	<b>28.6</b>	<b>66.9</b>	<b>15.4</b>	<b>10.6</b>	<b>26.6</b>	<b>0.87</b>	<b>-0.108</b>	<b>-0.05</b>	<b>110.5</b>	<b>65.5</b>
Min	-7.4	-6.9	34.0	32.2	-10.7	8.0	26.3	2.5	-15.9	-16.7	-0.03	-0.181	-0.55	58.1	36.8
Max	22.8	14.1	114.4	177.4	14.4	50.0	95.1	27.4	24.2	68.0	1.58	0.055	0.66	185.1	100.9
SD	3.56	2.07	9.18	15.76	2.81	6.68	7.24	2.66	2.85	8.45	0.139	0.0230	0.108	11.83	4.99
1	16.4	-1.6	98.5	149.2	10.6	43.5	83.5	21.4	17.1	47.2	1.19	-0.154	0.26	141.2	85.2
2	15.2	-0.9	96.1	145.2	9.7	42.4	81.6	20.6	16.3	44.7	1.14	-0.15	0.21	136.7	83.1
3	14.5	-0.5	94.5	142.6	9.2	41.7	80.4	20.2	15.8	43.1	1.11	-0.148	0.18	134.2	81.9
4	14.0	-0.2	93.2	140.6	8.8	41.1	79.5	19.9	15.4	41.8	1.09	-0.146	0.15	132.3	80.9
5	13.6	0.1	92.2	139.0	8.5	40.6	78.8	19.6	15.0	40.8	1.08	-0.144	0.13	130.8	80.2
10	12.2	0.9	88.6	133.1	7.5	38.7	76.4	18.7	14.0	37.6	1.03	-0.138	0.08	125.7	77.6
15	11.3	1.5	86.2	129.0	6.9	37.1	74.6	18.1	13.3	35.4	1.00	-0.134	0.05	122.5	76.0
20	10.6	1.9	84.3	125.7	6.3	35.5	73.2	17.6	12.8	33.7	0.98	-0.129	0.03	120.0	74.8
25	9.9	2.3	82.6	122.8	5.9	33.6	71.9	17.1	12.4	32.2	0.95	-0.125	0.01	117.9	73.8
30	9.4	2.6	81.1	120.4	5.5	31.8	70.8	16.8	12.0	30.9	0.94	-0.120	-0.01	116.1	72.8
35	8.9	2.9	79.8	118.1	5.2	30.3	69.8	16.4	11.6	29.7	0.92	-0.116	-0.02	114.5	72.0
40	8.5	3.1	78.6	115.9	4.8	29.2	68.7	16.1	11.3	28.5	0.90	-0.113	-0.04	112.9	71.2
45	8.0	3.4	77.4	113.8	4.5	28.3	67.8	15.8	11.0	27.5	0.89	-0.110	-0.05	111.5	70.4
50	7.6	3.6	76.3	111.8	4.1	27.4	66.8	15.4	10.7	26.4	0.87	-0.107	-0.06	110.0	69.7
55	7.1	3.9	75.2	109.8	3.8	26.6	65.8	15.1	10.3	25.3	0.86	-0.105	-0.07	108.6	69.0
60	6.7	4.1	74.1	107.8	3.4	25.9	64.9	14.8	10.0	24.3	0.84	-0.103	-0.09	107.2	68.3
65	6.3	4.4	73.0	105.9	3.1	25.1	63.9	14.4	9.7	23.2	0.82	-0.100	-0.10	105.7	67.5
70	5.8	4.7	71.7	103.7	2.7	24.4	62.9	14.0	9.3	22.1	0.81	-0.098	-0.11	104.2	66.8
75	5.2	5.0	70.4	101.5	2.3	23.6	61.8	13.6	8.9	20.9	0.79	-0.095	-0.13	102.6	66.0
80	4.7	5.3	68.9	99.1	1.8	22.8	60.6	13.2	8.4	19.5	0.76	-0.092	-0.14	100.8	65.1
85	4.0	5.7	67.2	96.1	1.2	21.9	59.2	12.7	7.9	18.0	0.74	-0.088	-0.16	98.7	64.2
90	3.1	6.1	65.1	92.4	0.5	20.8	57.6	12.0	7.1	16.1	0.70	-0.083	-0.18	96.1	62.9
95	1.9	6.8	61.9	87.1	-0.7	19.2	55.2	10.9	5.9	13.2	0.63	-0.072	-0.21	92.2	61.0
Num	68,476	68,476	68,476	68,476	68,476	68,476	68,476	68,476	68,476	68,476	68,476	68,476	68,476	68,476	68,476



# BOLT Fall 2023 Genetic Evaluation

## Current Fullbloods

PCTL	CE	BW	WW	YW	MCE	Milk	MWW	STAY	DOC	CWT	REA	FAT	MARB	API	TI
<b>Avg</b>	<b>5.6</b>	<b>4.9</b>	<b>72.0</b>	<b>101.8</b>	<b>2.7</b>	<b>37.9</b>	<b>73.9</b>	<b>15.5</b>	<b>9.3</b>	<b>20.8</b>	<b>0.88</b>	<b>-0.136</b>	<b>-0.10</b>	<b>102.1</b>	<b>65.6</b>
Min	-6.2	-2.2	34.9	46.8	-10.2	16.6	50.4	6.9	-15.9	-8.4	0.06	-0.181	-0.48	64.8	48.0
Max	18.4	12.8	103.1	153.4	13.9	50.0	95.1	23.8	23.4	56.9	1.43	0.055	0.52	151.9	88.1
SD	3.50	1.76	7.74	12.77	2.82	3.44	5.37	2.45	2.97	6.98	0.113	0.0120	0.078	9.59	4.42
1	14.1	0.5	90.1	132.1	9.2	45.4	86.9	21.1	16.6	37.7	1.15	-0.162	0.09	124.3	76.3
2	13.2	1.1	87.9	128.6	8.4	44.6	85.2	20.5	15.4	35.8	1.11	-0.158	0.06	121.6	75.1
3	12.5	1.5	86.4	126.1	7.9	44.0	84.2	20.2	14.6	34.3	1.09	-0.156	0.05	119.8	74.2
4	12.1	1.7	85.5	124.3	7.5	43.7	83.4	19.8	14.2	33.4	1.07	-0.154	0.03	118.6	73.6
5	11.7	1.9	84.7	122.7	7.2	43.3	82.8	19.6	13.8	32.5	1.06	-0.153	0.02	117.5	73.0
10	10.4	2.6	81.8	118.4	6.2	42.1	80.7	18.6	12.8	29.5	1.02	-0.150	0.00	114.0	71.1
15	9.4	3.1	79.9	115.0	5.6	41.3	79.4	18.0	12.1	27.8	0.99	-0.147	-0.02	111.9	70.1
20	8.6	3.4	78.4	112.5	5.0	40.8	78.2	17.6	11.6	26.4	0.97	-0.145	-0.04	110.0	69.2
25	8.0	3.7	77.1	110.1	4.6	40.2	77.4	17.2	11.1	25.2	0.95	-0.143	-0.05	108.5	68.4
30	7.4	4.0	76.0	108.3	4.2	39.8	76.6	16.8	10.7	24.2	0.94	-0.141	-0.06	107.1	67.7
35	6.8	4.3	75.0	106.6	3.8	39.3	75.9	16.5	10.4	23.2	0.92	-0.140	-0.07	105.8	67.1
40	6.4	4.5	74.0	104.9	3.4	38.9	75.1	16.1	10.1	22.4	0.91	-0.139	-0.08	104.6	66.6
45	5.9	4.7	73.1	103.4	3.0	38.5	74.4	15.8	9.8	21.5	0.89	-0.137	-0.09	103.4	66.0
50	5.4	5.0	72.1	101.9	2.7	38.1	73.8	15.5	9.5	20.7	0.88	-0.136	-0.09	102.2	65.5
55	5.0	5.2	71.2	100.2	2.3	37.7	73.2	15.2	9.1	19.9	0.86	-0.135	-0.10	101.0	65.1
60	4.5	5.4	70.2	98.6	2.0	37.3	72.5	14.9	8.8	19.0	0.85	-0.133	-0.11	99.8	64.5
65	4.1	5.6	69.1	96.9	1.6	36.8	71.8	14.5	8.4	18.1	0.84	-0.132	-0.12	98.5	64.0
70	3.6	5.8	68.0	95.1	1.2	36.4	71.2	14.2	8.1	17.2	0.82	-0.131	-0.14	97.2	63.4
75	3.2	6.1	66.9	93.2	0.8	35.9	70.4	13.8	7.6	16.2	0.81	-0.129	-0.15	95.8	62.8
80	2.7	6.3	65.5	90.9	0.3	35.3	69.6	13.4	7.1	15.1	0.79	-0.128	-0.16	94.1	62.0
85	2.1	6.6	64.1	88.7	-0.2	34.5	68.5	12.9	6.6	13.6	0.77	-0.126	-0.17	92.3	61.2
90	1.3	7.0	62.1	85.9	-1.0	33.6	67.1	12.4	5.9	12.0	0.74	-0.123	-0.19	90.0	60.1
95	0.2	7.7	59.3	81.2	-2.0	32.0	65.1	11.5	4.6	9.4	0.70	-0.119	-0.23	86.2	58.4
Num	9840	9840	9840	9840	9840	9840	9840	9840	9840	9840	9840	9840	9840	9840	9840



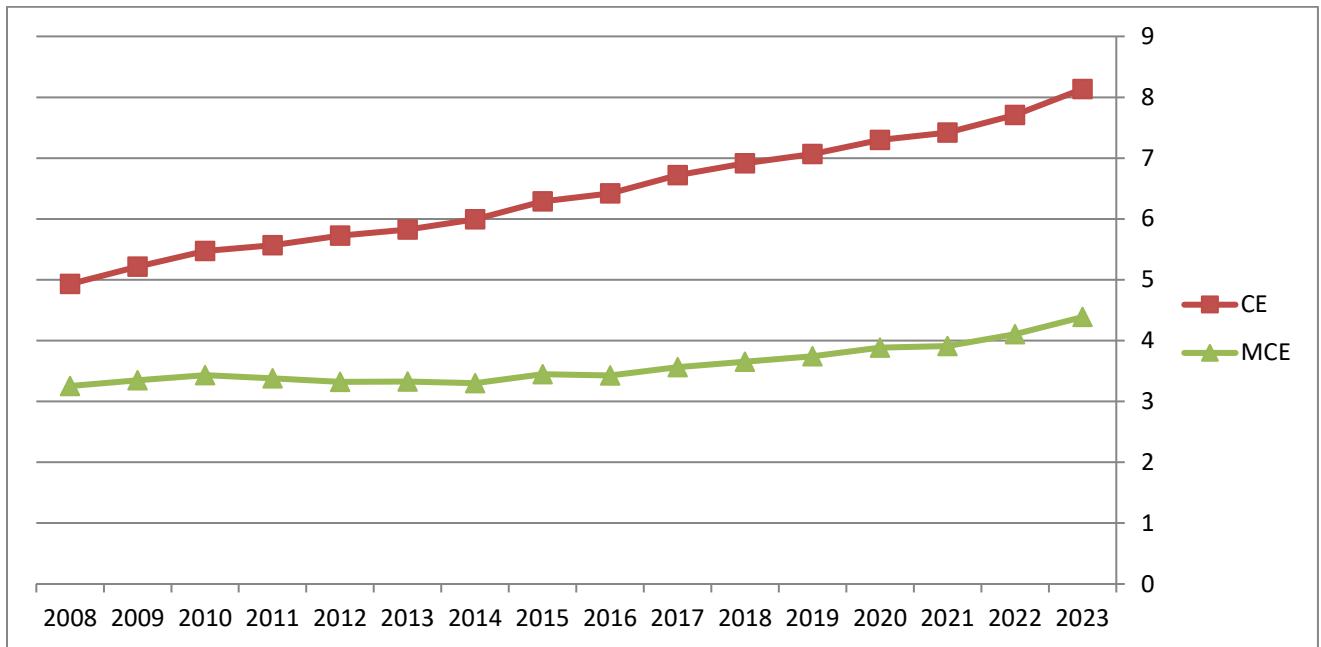
# BOLT Fall 2023 Genetic Evaluation

## Current Purebreds

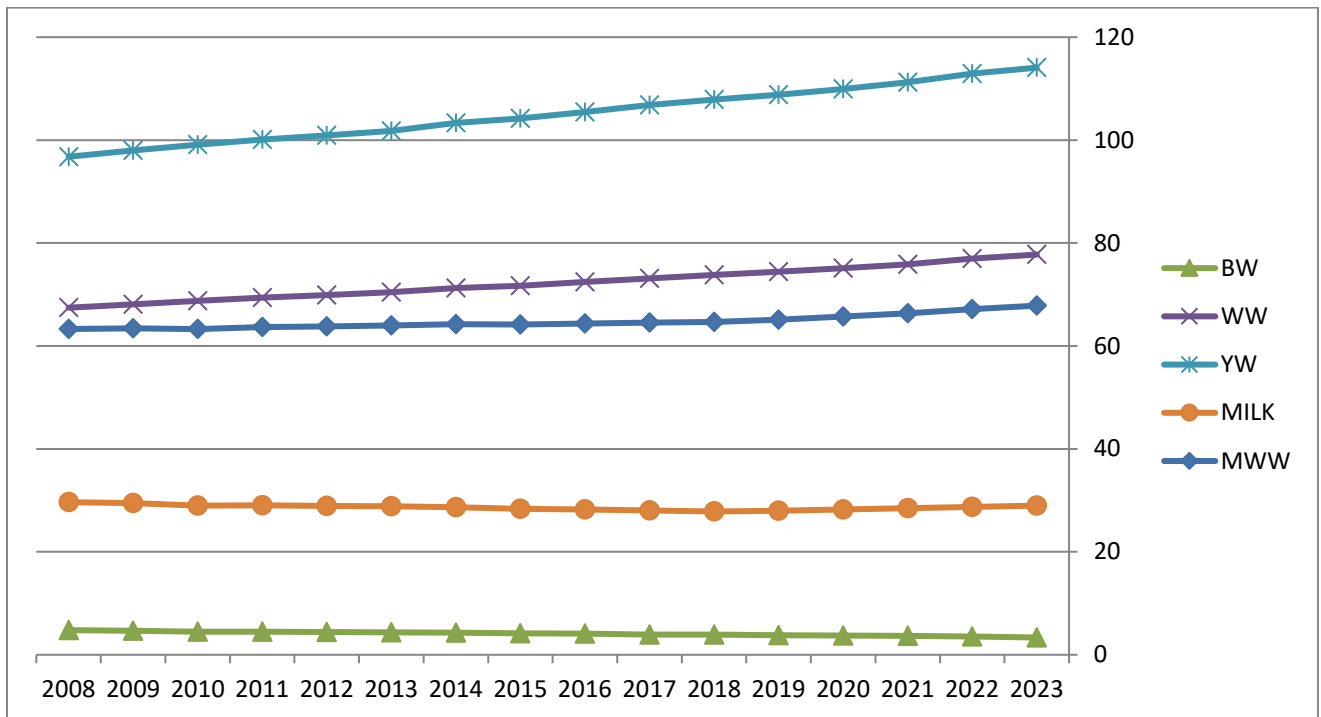
PCTL	CE	BW	WW	YW	MCE	Milk	MWW	STAY	DOC	CWT	REA	FAT	MARB	API	TI
<b>Avg</b>	<b>8.0</b>	<b>3.4</b>	<b>78.5</b>	<b>116.0</b>	<b>4.3</b>	<b>26.2</b>	<b>65.5</b>	<b>15.6</b>	<b>11.0</b>	<b>28.5</b>	<b>0.88</b>	<b>-0.104</b>	<b>-0.06</b>	<b>113.0</b>	<b>71.4</b>
Min	-7.4	-5.5	35.0	51.5	-10.7	8.0	37.0	2.5	-11.6	-7.9	0.24	-0.172	-0.55	72.8	50.3
Max	21.7	14.1	114.4	177.4	14.4	46.3	91.3	27.4	24.2	64.0	1.58	-0.037	0.65	185.1	105.2
SD	3.31	1.91	8.99	15.08	2.66	4.69	6.28	2.62	2.75	8.02	0.129	0.0140	0.101	11.17	5.57
1	16.5	-1.6	99.5	150.6	10.7	37.9	79.9	21.6	17.3	47.9	1.20	-0.140	0.21	142.5	85.9
2	15.3	-0.9	97.3	147.1	9.9	36.7	78.3	20.9	16.5	45.4	1.15	-0.136	0.17	137.9	83.9
3	14.7	-0.4	95.8	144.5	9.4	35.8	77.3	20.4	16.0	44.0	1.13	-0.133	0.14	135.5	82.7
4	14.1	-0.1	94.6	142.7	9.0	35.0	76.6	20.0	15.6	42.9	1.11	-0.130	0.12	133.7	81.8
5	13.7	0.1	93.6	141.2	8.7	34.5	75.9	19.8	15.3	41.9	1.09	-0.129	0.11	132.3	81.1
10	12.3	0.9	90.2	135.7	7.7	32.4	73.6	18.8	14.3	38.8	1.04	-0.123	0.07	127.4	78.7
15	11.4	1.4	88.0	132.0	7.0	31.1	72.0	18.2	13.6	36.8	1.01	-0.119	0.04	124.3	77.1
20	10.7	1.8	86.1	129.0	6.5	30.0	70.8	17.7	13.1	35.2	0.99	-0.116	0.02	122.0	75.9
25	10.1	2.2	84.6	126.3	6.1	29.2	69.7	17.3	12.7	33.8	0.97	-0.113	0.01	120.0	74.9
30	9.5	2.5	83.1	123.9	5.7	28.5	68.7	16.9	12.3	32.6	0.95	-0.111	-0.01	118.2	74.0
35	9.1	2.8	81.8	121.7	5.3	27.8	67.9	16.6	12.0	31.4	0.93	-0.109	-0.02	116.7	73.2
40	8.6	3.0	80.5	119.6	5.0	27.2	67.0	16.2	11.6	30.4	0.92	-0.107	-0.04	115.2	72.5
45	8.2	3.2	79.4	117.7	4.7	26.6	66.2	15.9	11.3	29.4	0.90	-0.105	-0.05	113.8	71.8
50	7.8	3.5	78.2	115.7	4.4	26.0	65.4	15.6	11.0	28.3	0.88	-0.104	-0.06	112.4	71.1
55	7.4	3.7	77.2	113.8	4.0	25.4	64.6	15.3	10.7	27.4	0.87	-0.102	-0.07	111.1	70.4
60	7.0	3.9	76.0	111.9	3.7	24.9	63.8	15.0	10.4	26.4	0.85	-0.100	-0.08	109.7	69.7
65	6.6	4.2	74.9	110.0	3.4	24.3	63.0	14.6	10.1	25.3	0.84	-0.099	-0.10	108.3	69.0
70	6.2	4.4	73.7	107.9	3.0	23.7	62.1	14.3	9.7	24.2	0.82	-0.097	-0.11	106.8	68.3
75	5.8	4.7	72.5	105.7	2.6	23.0	61.2	13.9	9.3	23.1	0.80	-0.095	-0.12	105.3	67.6
80	5.2	5.0	71.0	103.2	2.2	22.3	60.1	13.4	8.9	21.7	0.78	-0.093	-0.14	103.7	66.8
85	4.7	5.3	69.3	100.5	1.7	21.4	58.9	12.9	8.3	20.2	0.75	-0.090	-0.16	101.7	65.8
90	3.9	5.7	67.2	96.9	1.0	20.4	57.4	12.2	7.7	18.4	0.72	-0.087	-0.18	99.3	64.7
95	2.8	6.3	64.1	91.7	0.0	19.0	55.2	11.2	6.5	15.6	0.67	-0.082	-0.22	95.8	62.9
Num	44,839	44,839	44,839	44,839	44,839	44,839	44,839	44,839	44,839	44,839	44,839	44,839	44,839	44,839	44,839

# BOLT Fall 2023 Genetic Evaluation

## Genetic Trend – Calving Ease



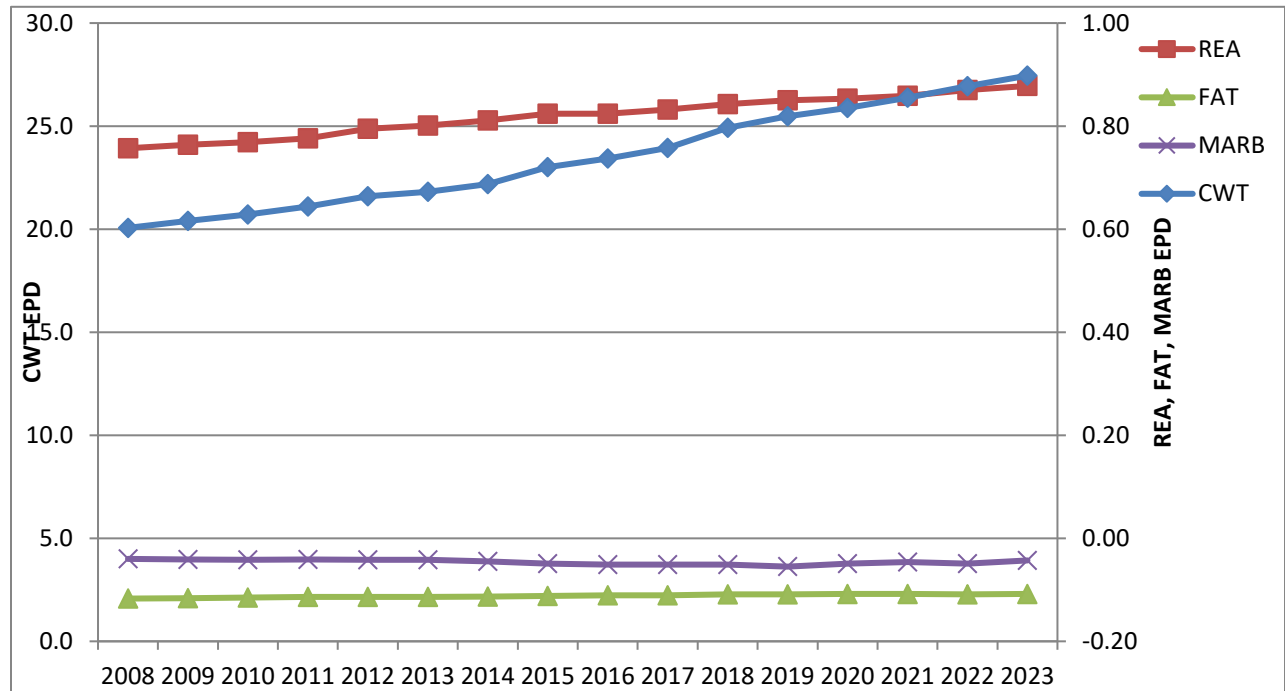
## Genetic Trend – Growth Traits





# BOLT Fall 2023 Genetic Evaluation

## Genetic Trend – Carcass Traits



## Genetic Trend - Indexes

