

**Table S1.** Reproductive performance indicators in sows, across both breeds studied, depending on their genotype and the analyzed microsatellite markers.

Marker	Genotype	n	Trait					
			Mean	Median	Min.	Max.	SD	CV (%)
Number of live-born piglets								
SW2411	176/198	6	12.09 <sup>a</sup>	12.45	10.88	12.80	0.76	6.32
	176/202	6	13.76 <sup>b</sup>	13.72	12.33	14.87	0.89	6.46
	194/202	23	12.61 <sup>ab</sup>	12.85	9.71	14.75	1.31	10.46
	198/202	8	13.08 <sup>ab</sup>	13.00	12.00	14.50	0.78	5.95
	200/202	9	12.60 <sup>ab</sup>	13.00	7.00	15.20	2.37	18.83
	202/202	13	13.65 <sup>b</sup>	13.80	12.50	15.67	0.88	6.43
Number of weaned piglets								
SW2411	176/198	6	10.70 <sup>ac</sup>	9.97	9.60	10.83	0.48	4.77
	176/202	6	11.64 <sup>abc</sup>	12.13	9.22	13.50	1.74	14.97
	194/202	23	10.92 <sup>c</sup>	11.25	8.20	13.33	1.43	13.11
	198/202	8	11.12 <sup>abc</sup>	11.20	9.40	13.50	1.55	13.91
	200/202	9	12.33 <sup>bc</sup>	12.50	10.75	14.60	1.13	9.18
	202/202	13	12.58 <sup>a</sup>	12.50	11.50	13.50	0.61	4.83
SW1125	113/125	5	12.08 <sup>a</sup>	12.33	9.50	13.33	1.55	12.87
	117/139	8	11.67 <sup>ab</sup>	12.57	9.40	13.20	1.61	13.76
	121/125	16	11.83 <sup>a</sup>	12.00	8.43	14.60	1.59	13.46
	125/139	5	11.29 <sup>ab</sup>	12.00	9.75	12.50	1.31	11.58
	135/139	10	9.33 <sup>b</sup>	9.19	8.20	11.00	0.86	9.21
	139/139	9	11.13 <sup>ab</sup>	10.80	9.80	13.00	1.11	10.02
Percentage of weaned piglets								
SW1125	113/125	5	88.51 <sup>ab</sup>	90.66	78.75	94.74	0.06	7.34
	117/139	8	90.70 <sup>ab</sup>	94.18	77.04	97.88	0.09	9.36
	121/125	16	92.50 <sup>a</sup>	92.95	78.50	100.00	0.05	5.87
	125/139	5	87.60 <sup>ab</sup>	92.26	77.36	94.26	0.07	8.67
	135/139	10	81.60 <sup>b</sup>	84.38	67.36	93.56	0.09	11.65
	139/139	9	82.00 <sup>b</sup>	81.20	76.22	92.47	0.06	7.48
SW160	126/126	13	89.20 <sup>ab</sup>	92.58	70.81	96.67	0.07	8.36
	126/128	20	83.14 <sup>a</sup>	84.12	62.76	100.00	0.08	9.43
	128/128	23	88.20 <sup>ab</sup>	90.56	69.04	97.88	0.08	9.11
	128/130	12	91.70 <sup>b</sup>	92.12	84.15	96.25	0.03	3.49
	130/130	5	81.00 <sup>ab</sup>	79.64	67.36	92.31	0.10	12.91

<sup>a-c</sup> different letters indicate statistically different means at  $p \leq 0.05$ ; SD – standard deviation; CV – coefficient of variation.

**Table S2.** Reproductive performance indicators of Polish Large White sows, depending on their genotype and the analyzed microsatellite markers.

Marker	Genotype	n	Trait					
			Mean	Median	Min.	Max.	SD	CV (%)
Total no. of born piglets								
SW903	195/195	14	14.63 <sup>a</sup>	14.47	11.60	17.57	1.56	10.69
	195/201	9	14.26 <sup>ab</sup>	14.40	11.40	19.33	2.39	16.76
	195/207	8	12.89 <sup>b</sup>	12.71	11.67	14.00	0.93	7.21
Number of weaned piglets								
SW1125	135/139	8	9.33 <sup>a</sup>	9.29	8.20	11.00	0.86	9.21
	139/139	5	11.24 <sup>b</sup>	10.80	9.80	13.00	1.32	11.76

Percentage of weaned piglets								
<i>SW160</i>	126/126	9	88.65 <sup>a</sup>	92.58	70.81	94.74	0.08	9.42
	126/128	14	80.40 <sup>b</sup>	81.65	62.76	86.50	0.07	8.36
	128/128	12	86.72 <sup>ab</sup>	88.93	69.04	95.49	0.08	9.85

**Table 3.** Reproductive performance indicators of Polish Landrace sows, depending on their genotype and the analyzed microsatellite markers.

Marker	Genotype	n	Trait					
			Mean	Median	Min.	Max.	SD	CV (%)
Number of stillborn piglets								
SW245	129/129	5	1.43 <sup>a</sup>	1.20	0.50	2.80	0.87	60.78
	129/131	12	0.95 <sup>a</sup>	0.87	0.00	3.14	0.89	93.85
	131/133	7	0.39 <sup>b</sup>	0.50	0.00	0.67	0.28	72.55
Percentage of weaned piglets								
SW903	195/195	12	92.31 <sup>a</sup>	92.66	79.69	100.00	0.05	5.44
	195/201	8	86.46 <sup>a</sup>	85.39	76.58	100.00	0.08	9.40