Supplementary Table 1: PLS-DA optimization with different models and hair cortisol thresholds discriminating the low versus high hair cortisol content in qualitative discriminant models

Calibration and external herd validation shown for sets of 33% of herds and for averages over the 3 sets (therefore statistics over the entire dataset not displayed).

Cortisol threshold (in pg/mg hair)	Variables in the model	LV	Calibration												Validation											
			Sens 1	Sens 2	Sens 3	Sens mean	Spec 1	Spec 2	Spec 3	Spec mean	Acc 1	Acc 2	Acc 3	Acc mean	Sens 1	Sens 2	Sens 3	Sens. Mean	Spec 1	Spec 2	Spec 3	Spec. Mean	Acc 1	Acc 2	Acc 3	Acc. Mean
14	MIR	14	69%	66%	64%	66%	71%	78%	77%	75%	70%	71%	70%	70%	65%	31%	47%	47%	59%	80%	58%	66%	63%	57%	52%	57%
14	MIR+MY	14	69%	65%	64%	66%	70%	80%	76%	75%	70%	72%	70%	70%	65%	33%	46%	48%	59%	80%	58%	66%	62%	59%	51%	57%
14	MIR+MY+parity²	14	69%	65%	66%	67%	70%	79%	76%	75%	70%	71%	71%	71%	65%	31%	48%	48%	58%	79%	57%	65%	62%	57%	52%	57%
14	MIR+MY+parity²+DIM	14	68%	64%	65%	66%	72%	79%	76%	76%	70%	71%	71%	70%	68%	33%	47%	49%	61%	81%	57%	66%	65%	59%	51%	58%
14	MIR+MY+parity²+DIM+breed	14	67%	64%	66%	66%	72%	78%	75%	75%	70%	70%	71%	70%	67%	30%	49%	49%	58%	83%	54%	65%	63%	59%	51%	58%
14	MIR+MY+parity²+DIM+breed+parity	14	68%	62%	66%	66%	72%	78%	75%	75%	70%	69%	70%	70%	66%	28%	49%	47%	59%	82%	55%	66%	63%	57%	52%	57%
14	MIR+MY+parity²+DIM+breed+parity+DIM²	14	67%	63%	67%	65%	71%	78%	76%	75%	69%	70%	71%	70%	67%	28%	48%	48%	61%	83%	57%	67%	64%	58%	52%	58%
14	MIR+MY+parity²+DIM+breed+parity+DIM²+color	14	67%	63%	66%	65%	71%	79%	75%	75%	70%	70%	71%	70%	66%	29%	48%	48%	61%	80%	58%	66%	64%	56%	53%	57%
16	MIR	14	64%	63%	67%	65%	75%	80%	78%	77%	70%	73%	74%	72%	68%	26%	50%	48%	62%	84%	71%	72%	64%	66%	62%	64%
16	MIR+MY	14	64%	64%	67%	65%	75%	80%	78%	78%	71%	73%	73%	72%	69%	27%	50%	49%	59%	85%	70%	71%	63%	67%	61%	64%
16	MIR+MY+parity²	14	65%	62%	66%	64%	76%	80%	78%	78%	72%	72%	73%	72%	70%	28%	50%	49%	60%	85%	70%	72%	65%	67%	61%	64%
16	MIR+MY+parity²+DIM	14	64%	64%	65%	65%	77%	80%	78%	79%	72%	73%	73%	73%	70%	28%	50%	50%	60%	84%	71%	72%	65%	66%	62%	64%
16	MIR+MY+parity²+DIM+breed	14	63%	64%	64%	63%	74%	81%	78%	78%	70%	74%	73%	72%	72%	27%	50%	50%	60%	84%	72%	72%	65%	66%	62%	65%
16	MIR+MY+parity²+DIM+breed+parity	14	65%	64%	64%	64%	78%	80%	77%	78%	73%	73%	72%	73%	72%	27%	50%	49%	58%	84%	71%	71%	64%	66%	61%	64%
16	MIR+MY+parity²+DIM+breed+parity+DIM²	14	66%	64%	64%	65%	76%	81%	78%	78%	72%	73%	73%	73%	73%	28%	49%	50%	58%	83%	71%	71%	65%	66%	61%	64%
16	MIR+MY+parity²+DIM+breed+parity+DIM²+color	14	63%	65%	64%	64%	76%	81%	79%	79%	71%	74%	73%	73%	73%	28%	49%	50%	59%	83%	73%	72%	65%	65%	62%	64%
18	MIR	14	59%	64%	64%	62%	81%	81%	83%	82%	75%	75%	78%	76%	72%	28%	43%	48%	67%	82%	77%	75%	69%	69%	65%	68%
18	MIR+MY	14	61%	64%	64%	63%	80%	82%	82%	81%	74%	76%	77%	76%	71%	26%	43%	47%	64%	83%	76%	74%	67%	69%	65%	67%
18	MIR+MY+parity²	14	63%	65%	65%	64%	79%	81%	82%	81%	74%	76%	77%	76%	71%	27%	43%	47%	63%	81%	76%	73%	66%	68%	65%	66%
18	MIR+MY+parity²+DIM	14	63%	66%	67%	65%	79%	81%	80%	80%	74%	76%	76%	76%	72%	29%	44%	48%	64%	83%	77%	74%	67%	70%	65%	67%
18	MIR+MY+parity²+DIM+breed	14	59%	65%	65%	63%	78%	81%	81%	80%	73%	76%	76%	75%	72%	23%	42%	46%	61%	84%	73%	73%	65%	70%	62%	65%
18	MIR+MY+parity²+DIM+breed+parity	14	61%	65%	66%	64%	80%	81%	81%	81%	74%	76%	76%	76%	69%	26%	43%	46%	62%	85%	75%	74%	64%	71%	64%	66%
18	MIR+MY+parity²+DIM+breed+parity+DIM²	14	64%	64%	66%	65%	79%	82%	80%	81%	75%	76%	76%	76%	74%	26%	43%	48%	59%	85%	75%	73%	64%	71%	64%	66%
18	MIR+MY+parity²+DIM+breed+parity+DIM²+color	14	62%	64%	67%	64%	80%	83%	81%	81%	75%	77%	77%	76%	71%	24%	43%	46%	60%	83%	74%	73%	64%	69%	63%	66%
20	MIR	14	59%	66%	64%	63%	86%	84%	84%	85%	81%	79%	80%	80%	70%	27%	48%	48%	66%	86%	81%	78%	67%	77%	73%	72%
20	MIR+MY	14	59%	65%	64%	63%	86%	84%	84%	85%	81%	79%	80%	80%	69%	27%	49%	48%	64%	85%	81%	76%	65%	77%	73%	72%
20	MIR+MY+parity²	14	63%	66%	65%	65%	85%	83%	83%	84%	80%	79%	80%	79%	69%	27%	49%	48%	63%	85%	80%	76%	65%	77%	72%	71%
20	MIR+MY+parity²+DIM	14	63%	66%	62%	64%	86%	83%	83%	84%	81%	79%	78%	79%	69%	29%	51%	49%	62%	86%	81%	76%	63%	78%	73%	72%
20	MIR+MY+parity²+DIM+breed	14	63%	68%	64%	65%	86%	83%	84%	84%	81%	79%	80%	80%	69%	29%	52%	50%	61%	86%	79%	75%	63%	78%	72%	71%
20	MIR+MY+parity²+DIM+breed+parity	14	63%	67%	64%	65%	85%	84%	84%	84%	80%	80%	80%	80%	65%	29%	51%	48%	60%	87%	78%	75%	62%	78%	71%	70%
20	MIR+MY+parity²+DIM+breed+parity+DIM²	14	60%	68%	64%	64%	85%	84%	84%	84%	80%	79%	80%	80%	67%	29%	52%	49%	62%	84%	81%	76%	63%	78%	73%	72%
20	MIR+MY+parity²+DIM+breed+parity+DIM²+color	14	60%	67%	64%	64%	85%	84%	84%	84%	80%	80%	80%	80%	65%	29%	52%	49%	61%	85%	78%	75%	62%	77%	72%	70%
22	MIR	14	60%	72%	72%	68%	85%	82%	85%	84%	81%	80%	83%	81%	71%	31%	56%	53%	64%	79%	80%	75%	66%	75%	75%	72%
22	MIR+MY	14	61%	70%	69%	67%	84%	82%	84%	84%	81%	80%	82%	81%	71%	37%	56%	55%	65%	80%	81%	75%	67%	76%	76%	73%
22	MIR+MY+parity²	14	64%	70%	70%	68%	84%	83%	84%	83%	81%	80%	82%	81%	70%	37%	56%	54%	64%	79%	79%	74%	65%	75%	75%	72%
22	MIR+MY+parity²+DIM	14	63%	68%	69%	67%	84%	82%	84%	83%	81%	79%	82%	80%	70%	40%	56%	55%	64%	79%	79%	74%	65%	76%	75%	72%
22	MIR+MY+parity²+DIM+breed	14	63%	69%	69%	67%	85%	82%	84%	84%	82%	80%	82%	81%	72%	40%	54%	55%	61%	80%	78%	73%	63%	76%	73%	71%
22	MIR+MY+parity²+DIM+breed+parity	14	63%	68%	68%	66%	85%	82%	84%	84%	82%	80%	81%	81%	69%	40%	54%	54%	63%	83%	78%	74%	64%	78%	74%	72%
22	**MIR+MY+parity²+DIM+breed+parity+DIM²**	**14**	**62%**	**70%**	**69%**	**67%**	**86%**	**82%**	**84%**	**84%**	**82%**	**79%**	**82%**	**81%**	**71%**	**43%**	**56%**	**57%**	**62%**	**82%**	**78%**	**74%**	**64%**	**78%**	**74%**	**72%**
22	MIR+MY+parity²+DIM+breed+parity+DIM²+color	14	63%	70%	69%	67%	86%	82%	84%	84%	83%	80%	82%	81%	70%	37%	56%	54%	62%	80%	77%	73%	62%	76%	73%	71%
24	MIR	14	62%	67%	63%	64%	83%	82%	89%	85%	81%	80%	86%	82%	77%	23%	36%	45%	69%	87%	86%	81%	71%	83%	79%	78%
24	MIR+MY	14	65%	68%	64%	66%	83%	82%	88%	84%	81%	80%	86%	82%	73%	23%	34%	43%	69%	87%	87%	81%	70%	83%	79%	77%
24	MIR+MY+parity²	14	67%	70%	63%	67%	83%	82%	88%	84%	81%	80%	85%	82%	75%	23%	36%	45%	67%	88%	86%	80%	68%	84%	79%	77%
24	MIR+MY+parity²+DIM	14	64%	69%	63%	66%	83%	83%	88%	85%	81%	81%	85%	82%	75%	23%	39%	45%	67%	87%	87%	80%	68%	83%	80%	77%
24	MIR+MY+parity²+DIM+breed	14	64%	68%	66%	66%	83%	82%	89%	85%	81%	80%	86%	83%	75%	23%	36%	45%	65%	88%	85%	79%	66%	84%	78%	76%
24	MIR+MY+parity²+DIM+breed+parity	14	64%	68%	65%	65%	83%	82%	88%	85%	81%	80%	86%	82%	73%	23%	36%	44%	66%	88%	84%	79%	67%	84%	77%	76%
24	MIR+MY+parity²+DIM+breed+parity+DIM²	14	64%	68%	65%	65%	84%	83%	88%	85%	82%	80%	86%	83%	75%	23%	41%	46%	67%	88%	85%	80%	68%	84%	79%	77%
24	MIR+MY+parity²+DIM+breed+parity+DIM²+color	14	64%	69%	65%	66%	84%	83%	87%	85%	82%	81%	85%	83%	73%	23%	41%	46%	67%	87%	83%	79%	68%	83%	77%	76%

Sens: Sensitivity; Spec: Specificity; Acc: Accuracy, which is the global percentage of good classification. 1, 2, 3 are for the 3 iterations excluding 33% of herds each.

Supplementary Table 2: PLS-DA optimization with different models and low blood fructosamine thresholds in qualitative discriminant models

Calibration and external herd validation shown for sets of 33% of herds and for averages over the 3 sets (therefore statistics over the entire dataset not displayed).

Fructosamine threshold (µmol/L)	Variables in the model	LV	Calibration												Validation											
			Spec 1	Spec 2	Spec 3	Spec mean	Sens 1	Sens 2	Sens 3	Sens mean	Acc 1	Acc 2	Acc 3	Acc mean	Spec 1	Spec 2	Spec 3	Spec mean	Sens 1	Sens 2	Sens 3	Sens mean	Acc 1	Acc 2	Acc 3	Acc mean
170	MIR	14	84%	88%	87%	86%	81%	64%	79%	75%	84%	87%	87%	86%	69%	58%	91%	72%	35%	50%	11%	32%	66%	58%	87%	70%
170	MIR+MY	14	84%	88%	87%	86%	84%	67%	82%	77%	84%	86%	86%	86%	70%	59%	89%	73%	35%	50%	26%	37%	66%	58%	86%	70%
170	MIR+MY+parity	14	85%	88%	88%	87%	74%	69%	79%	74%	84%	87%	88%	86%	68%	57%	89%	71%	35%	50%	21%	35%	65%	57%	85%	69%
170	MIR+MY+parity+parity^2	14	84%	88%	86%	86%	81%	69%	82%	77%	84%	86%	86%	85%	68%	56%	88%	71%	35%	50%	11%	32%	65%	56%	84%	68%
170	MIR+MY+parity+parity^2+DIM	14	84%	89%	86%	87%	81%	69%	82%	77%	84%	88%	86%	86%	69%	55%	89%	71%	35%	50%	11%	32%	66%	55%	85%	69%
170	MIR+MY+parity+parity^2+DIM+DIM^2	14	85%	89%	87%	87%	81%	69%	79%	76%	85%	87%	87%	86%	69%	56%	89%	72%	35%	50%	11%	32%	66%	56%	85%	69%
170	MIR+MY+parity+parity^2+DIM+DIM^2+breed	14	86%	89%	87%	87%	77%	69%	79%	75%	85%	88%	86%	86%	67%	56%	88%	70%	27%	50%	16%	31%	63%	55%	84%	68%
180	MIR	14	83%	84%	87%	85%	79%	77%	81%	79%	82%	84%	86%	84%	73%	53%	90%	72%	50%	64%	31%	48%	70%	54%	84%	69%
180	MIR+MY	14	83%	84%	86%	84%	79%	78%	84%	80%	82%	84%	86%	84%	75%	53%	88%	72%	50%	71%	31%	51%	71%	55%	83%	70%
180	MIR+MY+parity	14	83%	84%	87%	85%	79%	79%	87%	82%	82%	84%	87%	84%	74%	53%	89%	72%	52%	71%	23%	49%	71%	55%	82%	69%
180	MIR+MY+parity+parity^2	14	82%	84%	87%	84%	79%	78%	87%	81%	82%	83%	87%	84%	73%	53%	89%	72%	52%	79%	23%	51%	70%	55%	83%	69%
180	MIR+MY+parity+parity^2+DIM	14	82%	84%	87%	84%	79%	78%	86%	81%	82%	83%	87%	84%	74%	53%	89%	72%	50%	71%	28%	50%	71%	55%	83%	69%
180	MIR+MY+parity+parity^2+DIM+DIM^2	14	83%	85%	87%	85%	78%	75%	84%	79%	82%	84%	86%	84%	75%	52%	88%	72%	50%	71%	28%	50%	71%	54%	82%	69%
180	MIR+MY+parity+parity^2+DIM+DIM^2+breed	14	84%	84%	86%	85%	79%	78%	87%	81%	84%	83%	86%	84%	73%	53%	88%	71%	52%	82%	31%	55%	70%	56%	82%	69%
190	MIR	14	81%	80%	85%	82%	74%	77%	80%	77%	79%	80%	84%	81%	67%	58%	90%	72%	60%	68%	25%	51%	65%	61%	79%	68%
190	MIR+MY	14	81%	80%	86%	82%	75%	81%	78%	78%	80%	81%	84%	81%	69%	59%	88%	72%	58%	73%	24%	52%	66%	63%	76%	68%
190	MIR+MY+parity	14	83%	80%	86%	83%	73%	78%	76%	76%	81%	79%	84%	81%	70%	60%	87%	72%	58%	71%	24%	51%	67%	63%	75%	69%
190	MIR+MY+parity+parity^2	14	82%	80%	87%	83%	75%	78%	77%	77%	81%	79%	84%	81%	70%	59%	87%	72%	57%	75%	25%	52%	67%	63%	76%	69%
190	MIR+MY+parity+parity^2+DIM	14	80%	81%	86%	83%	76%	80%	77%	78%	80%	81%	84%	82%	71%	60%	88%	73%	57%	71%	26%	52%	68%	63%	77%	69%
190	MIR+MY+parity+parity^2+DIM+DIM^2	14	82%	80%	86%	83%	74%	82%	75%	77%	80%	81%	84%	82%	68%	62%	87%	72%	57%	73%	26%	52%	66%	64%	76%	69%
190	MIR+MY+parity+parity^2+DIM+DIM^2+breed	14	82%	81%	87%	83%	76%	82%	77%	78%	81%	82%	85%	82%	65%	60%	86%	70%	57%	83%	29%	56%	63%	66%	76%	68%
200	MIR	14	81%	80%	87%	83%	79%	73%	74%	75%	80%	78%	82%	80%	66%	57%	88%	70%	65%	77%	29%	57%	66%	65%	70%	67%
200	MIR+MY	14	80%	80%	86%	82%	81%	74%	74%	76%	80%	78%	82%	80%	68%	61%	87%	72%	63%	78%	33%	58%	66%	68%	70%	68%
200	MIR+MY+parity	14	82%	81%	86%	83%	79%	75%	71%	75%	81%	79%	81%	80%	69%	61%	86%	72%	59%	80%	36%	58%	65%	68%	70%	68%
200	MIR+MY+parity+parity^2	14	81%	80%	86%	82%	79%	75%	72%	76%	80%	78%	81%	80%	70%	61%	86%	72%	58%	78%	35%	57%	66%	67%	70%	68%
200	MIR+MY+parity+parity^2+DIM	14	80%	80%	86%	82%	78%	75%	72%	75%	79%	79%	81%	80%	67%	60%	87%	71%	61%	80%	34%	58%	65%	68%	70%	68%
200	MIR+MY+parity+parity^2+DIM+DIM^2	14	79%	81%	86%	82%	78%	76%	73%	76%	79%	79%	81%	80%	70%	61%	85%	72%	59%	80%	33%	58%	66%	68%	69%	68%
200	**MIR+MY+parity+parity^2+DIM+DIM^2+breed**	**14**	**82%**	**80%**	**88%**	**83%**	**80%**	**77%**	**72%**	**76%**	**81%**	**79%**	**82%**	**81%**	**66%**	**60%**	**82%**	**69.3%**	**58%**	**86%**	**39%**	**60.8%**	**63%**	**70%**	**68%**	**67%**

Sens: Sensitivity; Spec: Specificity; Acc: Accuracy, which is the global percentage of good classification. 1, 2, 3 are for the 3 iterations excluding 33% of herds each.

11 Supplementary Table 3: PLS-DA optimization with different models and high blood fructosamine thresholds in qualitative discriminant models

12 Calibration and external herd validation shown for sets of 33% of herds and for averages over the 3 sets (therefore statistics over the entire dataset not displayed).

			Calibration													Validation											
Fructosamine threshold (µmol/L)	Variables in the model	LV	Sens 1	Sens 2	Sens 3	**Sens mean**	Spec 1	Spec 2	Spec 3	**Spec mean**	Acc 1	Acc 2	Acc 3	**Acc mean**	Sens 1	Sens 2	Sens 3	**Sens. Mean**	Spec 1	Spec 2	Spec 3	**Spec. Mean**	Acc 1	Acc 2	Acc 3	**Acc. Mean**
220	MIR	14	82%	83%	84%	**83%**	76%	80%	78%	**78%**	78%	81%	80%	**80%**	63%	43%	89%	**65%**	73%	77%	42%	**64%**	69%	65%	61%	**65%**
220	MIR+MY	14	80%	84%	83%	**82%**	75%	80%	78%	**78%**	77%	82%	80%	**80%**	65%	40%	90%	**65%**	70%	82%	42%	**65%**	68%	67%	62%	**66%**
220	MIR+MY+parity	14	81%	83%	82%	**82%**	77%	81%	78%	**78%**	78%	82%	80%	**80%**	61%	41%	89%	**64%**	72%	80%	43%	**65%**	68%	66%	62%	**65%**
220	MIR+MY+parity+parity²	14	80%	83%	83%	**82%**	77%	80%	78%	**78%**	78%	81%	80%	**80%**	64%	43%	90%	**65%**	72%	81%	43%	**65%**	69%	67%	62%	**66%**
220	MIR+MY+parity+parity²+DIM	14	80%	81%	84%	**82%**	78%	81%	79%	**79%**	79%	81%	81%	**80%**	63%	41%	89%	**65%**	72%	80%	43%	**65%**	68%	66%	62%	**66%**
220	MIR+MY+parity+parity²+DIM+DIM²	14	82%	81%	86%	**83%**	77%	81%	81%	**80%**	79%	81%	83%	**81%**	62%	46%	90%	**66%**	71%	80%	43%	**65%**	68%	68%	62%	**66%**
220	MIR+MY+parity+parity²+DIM+DIM²+breed	14	83%	83%	86%	**84%**	79%	81%	79%	**80%**	80%	82%	82%	**81%**	63%	47%	88%	**66%**	73%	87%	47%	**69%**	69%	73%	64%	**69%**
230	**MIR**	**14**	**80%**	**86%**	**80%**	**82%**	**76%**	**76%**	**81%**	**77%**	**77%**	**79%**	**80%**	**79%**	**64%**	**45%**	**88%**	**66%**	**78%**	**81%**	**50%**	**70%**	**75%**	**72%**	**61%**	**69%**
230	MIR+MY	14	81%	86%	79%	**82%**	76%	76%	80%	**77%**	78%	79%	80%	**79%**	62%	43%	86%	**64%**	77%	84%	50%	**70%**	73%	73%	60%	**69%**
230	MIR+MY+parity	14	80%	86%	78%	**81%**	77%	76%	83%	**78%**	78%	79%	81%	**79%**	63%	43%	84%	**64%**	75%	84%	50%	**70%**	72%	74%	60%	**69%**
230	MIR+MY+parity+parity²	14	79%	88%	79%	**82%**	77%	76%	82%	**78%**	78%	79%	81%	**79%**	63%	48%	80%	**64%**	75%	85%	51%	**70%**	72%	76%	59%	**69%**
230	MIR+MY+parity+parity²+DIM	14	81%	84%	78%	**81%**	77%	78%	84%	**80%**	78%	79%	82%	**80%**	63%	42%	81%	**62%**	76%	84%	53%	**71%**	73%	73%	61%	**69%**
230	MIR+MY+parity+parity²+DIM+DIM²	14	81%	84%	78%	**81%**	77%	77%	82%	**78%**	78%	79%	81%	**79%**	62%	46%	82%	**63%**	76%	86%	50%	**71%**	73%	76%	59%	**69%**
230	MIR+MY+parity+parity²+DIM+DIM²+breed	14	80%	84%	78%	**81%**	78%	80%	81%	**80%**	79%	81%	81%	**80%**	63%	51%	72%	**62%**	75%	87%	57%	**73%**	72%	78%	61%	**70%**
240	MIR	14	82%	84%	81%	**82%**	77%	79%	84%	**80%**	78%	79%	80%	**80%**	67%	53%	71%	**64%**	70%	66%	51%	**62%**	69%	64%	54%	**62%**
240	MIR+MY	14	83%	84%	84%	**84%**	77%	79%	83%	**80%**	78%	79%	83%	**80%**	67%	50%	71%	**63%**	67%	71%	51%	**63%**	67%	68%	54%	**63%**
240	MIR+MY+parity	14	78%	83%	85%	**82%**	78%	77%	84%	**80%**	78%	78%	84%	**80%**	65%	50%	71%	**62%**	68%	71%	54%	**65%**	68%	69%	57%	**64%**
240	MIR+MY+parity+parity²	14	78%	84%	84%	**82%**	77%	78%	84%	**80%**	77%	79%	84%	**80%**	67%	50%	71%	**63%**	68%	73%	53%	**64%**	67%	70%	56%	**64%**
240	MIR+MY+parity+parity²+DIM	14	77%	86%	86%	**83%**	78%	79%	84%	**80%**	78%	80%	85%	**81%**	65%	47%	69%	**60%**	67%	71%	53%	**64%**	67%	68%	55%	**63%**
240	MIR+MY+parity+parity²+DIM+DIM²	14	80%	86%	85%	**83%**	77%	80%	84%	**80%**	78%	81%	84%	**81%**	65%	47%	69%	**60%**	67%	69%	54%	**63%**	67%	66%	56%	**63%**
240	MIR+MY+parity+parity²+DIM+DIM²+breed	14	80%	86%	82%	**83%**	78%	81%	84%	**81%**	78%	82%	83%	**81%**	63%	44%	65%	**57%**	68%	76%	57%	**67%**	67%	72%	58%	**66%**
250	MIR	14	80%	87%	81%	**82%**	79%	77%	82%	**79%**	79%	78%	82%	**79%**	70%	47%	48%	**55%**	64%	72%	60%	**65%**	64%	71%	60%	**65%**
250	MIR+MY	14	78%	83%	83%	**81%**	80%	79%	82%	**80%**	79%	79%	82%	**80%**	74%	40%	44%	**53%**	63%	76%	58%	**65%**	64%	74%	57%	**65%**
250	MIR+MY+parity	14	78%	83%	81%	**80%**	80%	79%	81%	**80%**	80%	79%	81%	**80%**	67%	40%	40%	**49%**	64%	77%	64%	**68%**	64%	75%	62%	**67%**
250	MIR+MY+parity+parity²	14	78%	81%	83%	**81%**	79%	78%	80%	**79%**	79%	78%	81%	**79%**	67%	40%	36%	**48%**	64%	76%	62%	**67%**	64%	74%	61%	**66%**
250	MIR+MY+parity+parity²+DIM	14	80%	83%	81%	**81%**	79%	80%	81%	**80%**	79%	80%	81%	**80%**	67%	33%	36%	**45%**	65%	77%	63%	**68%**	65%	75%	61%	**67%**
250	MIR+MY+parity+parity²+DIM+DIM²	14	78%	81%	81%	**80%**	78%	80%	82%	**80%**	78%	80%	82%	**80%**	67%	33%	44%	**48%**	65%	75%	58%	**66%**	65%	73%	57%	**65%**
250	MIR+MY+parity+parity²+DIM+DIM²+breed	14	83%	81%	83%	**82%**	77%	80%	81%	**79%**	77%	80%	81%	**79%**	67%	40%	36%	**48%**	65%	79%	67%	**70%**	65%	77%	65%	**69%**

14 Sens: Sensitivity; Spec: Specificity; Acc: Accuracy, which is the global percentage of good classification. 1, 2, 3 are for the 3 iterations excluding 33% of herds each.