519 **SUPPLEMENTARY MATERIAL**

520 Table 1A. Characteristics of the 876 inseminations with either artificial or placebo insemination,
521 and of the 380 excluded inseminations due to no estrus on the day of insemination, or pregnancy
522 following AI. Descriptive statistics (95% confidence intervals) are either proportion in each
523 category for discrete variables or mean for continuous variables.

		Excluded	
	Included (n = 876)	No estrus (n = 113)	Pregnant (n = 267)
Season[1]			
Winter	0.45 (0.42; 0.48)	0.14 (0.14; 0.22)	0.57 (0.51; 0.63)
Summer	0.55 (0.52; 0.59)	0.86 (0.78; 0.91)	0.43 (0.37; 0.49)
Parity			
First	0.36 (0.33; 0.40)	0.27 (0.20; 0.37)	0.49 (0.43; 0.55)
Second	0.28 (0.25; 0.31)	0.29 (0.21; 0.39)	0.24 (0.19; 0.30)
Third and greater	0.35 (0.32; 0.39)	0.44 (0.34; 0.53)	0.27 (0.22; 0.33)
DIM	126 (118; 134)	144 (129; 158)	119 (109; 128)
Milk production (kg)	41.6 (40.4; 42.7)	43.9 (41.8; 45.9)	40.6 (39.2; 41.9)
BCS			
2.75 or less	0.24 (0.21; 0.27)	0.32 (0.24; 0.42)	0.22 (0.17; 0.28)
3.0 or 3.25	0.63 (0.60; 0.67)	0.58 (0.48; 0.67)	0.65 (0.58; 0.70)
3.5 or more	0.13 (0.11; 0.16)	0.10 (0.05; 0.17)	0.13 (0.10; 0.18)
SPS			
1	0.36 (0.33; 0.40)	0.39 (0.30; 0.49)	0.44 (0.38; 0.50)
2	0.48 (0.45; 0.52)	0.45 (0.35; 0.54)	0.47 (0.41; 0.54)
3	0.16 (0.13; 0.18)	0.16 (0.10; 0.25)	0.09 (0.06; 0.13)
CL at enrolment			
No	0.45 (0.42; 0.49)	0.42 (0.33; 0.51)	0.39 (0.33; 0.45)
Yes	0.55 (0.52; 0.58)	0.58 (0.49; 0.68)	0.61 (0.55; 0.67)
CIDR for protocol			
New	0.74 (0.71; 0.77)	0.75 (0.66; 0.83)	0.67 (0.61; 0.73)
Used	0.26 (0.23; 0.29)	0.25 (0.17; 0.34)	0.33 (0.27; 0.39)
Cycle length			
Short (< 17 d)	0.12 (0.10; 0.15)	.	.
Normal (17-23 d)	0.31 (0.28; 0.34)	.	.
Long (24-30 d)	0.19 (0.17; 0.22)	.	.
Very long (≥ 31 d)	0.38 (0.35; 0.41)	.	.

524 DIM: days in milk; BCS: body condition score; SPS: uterine size and position score; AI:
525 artificial insemination; PBO: placebo; CL: corpus luteum; CIDR: intravaginal progesterone
526 device

527 [1] Winter was from June to August and summer was from October to February.

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