TABLE S2 Sublethal damage of sperm function: Mitochondria membrane potential and calcium content during capacitation (Experiment 1)

		17 °C w/AB				5 °C w/o AB			
		Tyrode A		Tyrode C		Tyrode A		Tyrode C	
Fluorescence pattern		**3 min**	**60 min**	**3 min**	**60 min**	**3 min**	**60 min**	**3 min**	**60 min**
JC-1 agg neg	**Calbryte neg**	2.8 ± 0.8 ^{a}	2.1 ± 0.6 ^{a}	2.8 ± 0.8 ^{a}	2.3 ± 0.8 ^{b}	1.8 ± 0.4 ^{a}	1.4 ± 0.2 ^{b}	1.7 ± 0.4 ^{a}	1.1 ± 0.2 ^{b}
	Calbryte pos	6.6 ± 1.0 ^{a}	18.0 ± 3.9 ^{b}	7.3 ± 1.0 ^{a}	8.3 ± 1.2 ^{b}	7.0 ± 1.0 ^{a}	18.8 ± 2.6 ^{b}	7.0 ± 1.1 ^{a}	10.0 ± 1.3 ^{b}
JC-1 agg pos	**Calbryte neg**	79.3 ± 1.2 ^{a}	49.6 ± 5.6 ^{b}	78.2 ± 0.9 ^{a}	73.3 ± 2.0 $^{A, b}$	79.3 ± 1.0 ^{a}	44.0 ± 3.9 ^{b}	78.6 ± 1.1 ^{a}	66.3 ± 2.5 $^{B, b}$
	Calbryte pos	11.3 ± 1.0 ^{a}	30.3 ± 4.0 ^{b}	11.7 ± 1.3 ^{a}	16.1 ± 2.1 $^{A, b}$	11.9 ± 0.6 ^{a}	35.8 ± 2.5 ^{b}	12.6 ± 0.8 ^{a}	22.6 ± 1.8 $^{B, b}$

A-B) Values differ between storage temperatures within a given time point and medium ($P < 0.05$)

a-b) Values differ between time points within a given storage temperature and medium ($P < 0.05$)

Semen samples were extended in AndroStar® Premium and stored at 17 °C with antibiotics (17 °C w/AB; 0.25 g/L gentamicin sulphate) or at 5 °C without antibiotics (5 °C w/o AB). After 72 h of storage, sublethal damages of sperm function were determined under capacitating (Tyrode A) and non-capacitating (Tyrode C) conditions: Distribution of viable (Hoechst 33258 negative) spermatozoa (%; means ± SEM) with high (JC-1 aggregate positive) or low (JC-1 aggregate negative) mitochondria membrane potential and high (Calbryte 630 positive) or low (Calbryte 630 negative) intracellular calcium (n = 9 boars).