	Mitocondrial memblane potential				ATP content		
FF groups	No. of traials	No. of oocytes	Fluorescence intensity (Fold change, Mean ± SE)	No. of traials	No. of oocytes	ATP (pM, Mean ± SE)	
HL	4	26	1.00 ± 0.07	4	26	3.43 ± 0.10	
DL	4	32	1.08 ± 0.07	4	32	3.39 ± 0.14	

Supplementary Table 1. Effect of supplementation of IVM medium with follicular fluid derived from HL or DL cows on mitocondrial function in oocytes

FF was collected from follicles 3–6 mm in diameter from individual DL and HL cows. Four DL and HL cows were used for FF preparation and four sets of HL DL-FFs were used for the experiment. COCs collected from HL cows were divided into two groups and matured for 21 h in medium containing 10% HL-FF or DL-FF, after which the mitochondrial membrane potential and ATP content in oocytes were measured. Membrane potential and ATP measurements are described in the Materials and method section.