## **Supplementary Material**

## The requirement for protein kinase C delta (PRKCD) during preimplantation bovine embryo development

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**Fig. S1.** Validation of PRKCD antibody specificities. A bovine trophoblast cell line (CT1 cell) was treated with recombinant bovine FGF2 (50 ng mL<sup>-1</sup>) for 0, 30, or 90 min. Cell lysates were harvested and processed for Western blot analysis (50 ng protein/lane; 12% SDS-PAGE gels). The study was completed on three separate occasions. Representative images are shown for reactivity with antibodies targeting T505-phospho-specific PRKCD (Panel A), Y311-phospho-specific PRKCD (Panel B), and total (Pan) PRKCD (Panel C). In each case, a single protein band of the predicted size (78 kDa) was detected after overnight exposure to each primary

antibody (1:1000 dilution) followed by incubation with horseradish peroxidaseconjugated anti-rabbit IgG and detection with an Enhanced Chemiluminescence (ECL) and BioMax film (Thermo Scientific).