## Accepted Manuscript

A fast and reliable protocol for activation of porcine oocytes

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## ACCEPTED MANUSCRIPT

Revised

1	A fast and reliable protocol for activation of porcine oocytes
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15	Short title: Porcine oocyte activation with ionomycin and TPEN
16	
17	Abstract
18	Oocyte activation is physiologically triggered by the sperm during fertilization, however,
19	production of porcine embryos by somatic cell nuclear transfer (SCNT), intracytoplasmic sperm
20	injection (ICSI) or parthenogenetic activation (PA) requires artificial oocyte activation. Although
21	effective protocols for artificial oocyte activation have been developed, current protocols require
22	long exposures to non-specific inhibitors, which do not mimic the physiological process and may
23	have detrimental consequences for embryo development. This study attempted to mimic the

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