

Supplementary Material

Regulation of heat-inducible *HSPA1A* gene expression during maternal-to-embryo transition and in response to heat in *in vitro*-produced bovine embryos

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Table S2. Effects of different culture conditions on the level of luciferase activity derived from the mouse *hspa1b/luciferase* transgene in IVF bovine embryos.

Culture System	Stage (hpi) - type of stress	Treatments	Luciferase activityⁱ	Number (and percent) of luciferase-positive embryos
B2	8-16-Cell (92 hpi)	Control (20% O ₂)	41 110 ± 4490	45 (54%)
		No feeder cells (culture block)	35 395 ± 3670	57 (53%)
SOFaa systemⁱⁱ	8-16-Cell (92 hpi)	Control (5% O ₂)	265 198 ± 53 790	24 (41%)
		Oxidative condition (20% O ₂)	242 337 ± 41 496	24 (41%)

ⁱ RLU.embryo⁻¹.min⁻¹ ± s.e.m.

ⁱⁱ Differences in luciferase values between B2 co-culture and SOFaa trigas systems were measured with two different luminometers and cannot be compared.