

Δ9-tetrahydrocannabinol exposure during rat pregnancy leads to symmetrical fetal growth restriction and labyrinth-specific vascular defects in the placenta.

Bryony V. Natale^{1,2}, Katarina N. Gustin², Kendrick Lee^{9,10}, Alison C. Holloway⁴, Steven R. Laviolette^{5,10}, David R.C. Natale^{**1,2,3}, and Daniel B. Hardy^{*6-10}

¹Department of Obstetrics and Gynaecology, Queen's University, Kingston, Canada.

²Department of Obstetrics, Gynecology & Reproductive Sciences, School of Medicine, University of California San Diego, La Jolla, CA, USA

³Department of Biomedical and Molecular Sciences, Queen's University, Kingston, Canada.

⁴Department of Obstetrics and Gynecology, McMaster University, Hamilton, Canada

⁵Department of Anatomy and Cell Biology, ⁶The Children's Health Research Institute,

⁷Lawson Health Research Institute, The Departments of ⁸Obstetrics and Gynaecology and ⁹Physiology and Pharmacology, ¹⁰The University of Western Ontario, London, Ontario, Canada, N6A 5C1

Supplemental Figure and Tables:

Supplemental Table 1. Forward and reverse sequences for the rat primers used for quantitative Real-Time PCR.

<i>Gene</i>	<i>Forward</i>	<i>Reverse</i>	<i>GenBank/Reference</i>
Gcm1	CCCCAACAGGTTCCACTAGA	AGGGGAGTGGTACGTGACAG	NM_017186
Gapdh	CAAGTTCAACGGCACAGTCA	CCCCATTTGATGTTAGCGGG	NM_017008.4

Supplemental Figure 1. Exposure to 3 mg/kg Δ9-THC during gestation has no effect on expression of *Gcm1* mRNA in E19.5 placenta. Real-time qPCR of rat placentae treated with vehicle or Δ9-THC throughout gestation beginning at E6.5. Total RNA was extracted and reverse-transcribed to cDNA and normalized to *Gapdh*. All values were expressed as mean±SEM (N=6/group).

**Relative Normalized
Gcm1 Expression**

