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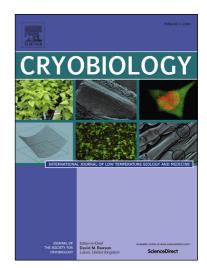
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The Interfering Effects of Superovulation and Vitrification upon Some Important Epigenetic Biomarkers in Mouse Blastocyst Azizollah Bakhtari ^{a, 1}, Hamid-Reza Rahmani ^a, Elham Bonakdar ^{a, 1}, Farnoosh Jafarpour ^b, Vajiheh Asgari^b, Sayyed-Mortaza Hosseini^b, Mehdi Hajian^b, Mohammad-Ali Edriss^a, and Mohammad-Hossein Nasr-Esfahani^{b, c, *} Running title: ART and epigenetic biomarkers ^a Department of Animal Sciences, College of Agriculture, Isfahan University of Technology, Isfahan, 8415683111, Iran; ^b Department of Reproductive Biotechnology at Reproductive Biomedicine Research Center, Royan Institute for Biotechnology, ACECR, Isfahan, Iran; ^c Department of Embryology, Reproductive Biomedicine Centre, Royan Institute for Reproductive Biomedicine, ACECR, Tehran, Iran. ¹ These authors contributed equally to this work. *Correspondence address. Tel: +98-311-9515680-81; Fax: +98-311-9515687; E-mail: mh.nasr-esfahani@royaninstitute.org

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