

Supplementary Material

***In vitro* maturation affects chromosome segregation, spindle morphology and acetylation of lysine 16 on histone H4 in horse oocytes**

Federica Franciosi^{A,I}, Ghylene Goudet^{B,C,D,E}, Irene Tessaro^A, Pascal Papillier^{B,C,D,E}, Rozenn Dalbies-Tran^{B,C,D,E}, Fabrice Reigner^F, Stefan Deleuze^G, Cecile Douet^{B,C,D,E}, Ileana Micla^H, Valentina Lodde^A and Alberto M. Luciano^A

^AReproductive and Developmental Biology Laboratory, Department of Health, Animal Science and Food Safety, University of Milan, via Celoria, 10, Milan, 20133, Italy.

^BINRA, UMR85 Physiologie de la Reproduction et des Comportements, Nouzilly, F-37380, France.

^CCNRS, UMR7247, Nouzilly, F-37380, France.

^DUniversité François Rabelais, 60 Rue du Plat d'Étain, Tours, F-37000, France.

^EIFCE, Nouzilly, F-37380, France.

^FINRA, UEPAO, Nouzilly, F-37380, France.

^GUniversité de Liège, Clinique des Animaux de Compagnie et des Équidés, Place du 20 Août 7, Liège, 4000, Belgium.

^HUniversity of Agricultural Sciences and Veterinary Medicine, Calea Mănăştur 3-5, Cluj-Napoca 400372, Romania.

^ICorresponding author. Email: federica.franciosi1@unimi.it