

Supplementary Material

Sperm-mediated DNA lesions alter metabolite levels in spent embryo culture medium

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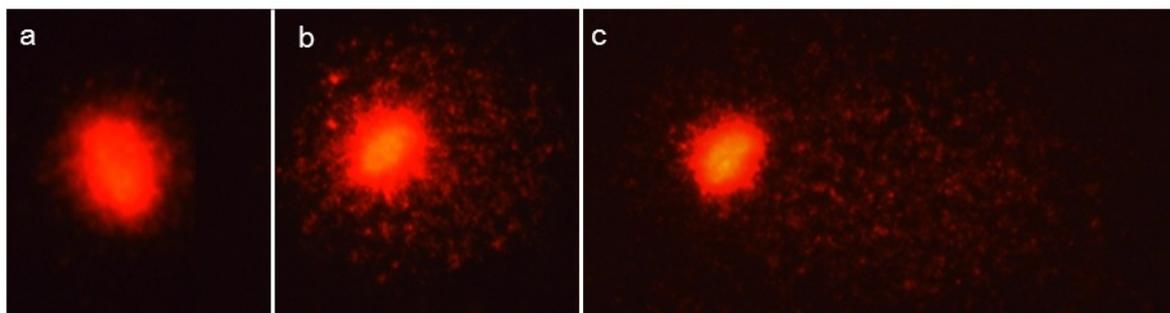


Fig. S1. Representative images for the identification of various levels of DNA fragmentation using Single cell gel electrophoresis (Comet) assay a) sperm cell without comet suggestive of intact DNA b) sperm cells with a medium comet suggestive of mild/moderate DNA damage c) sperm cell with a long comet suggestive of severely fragmented DNA.

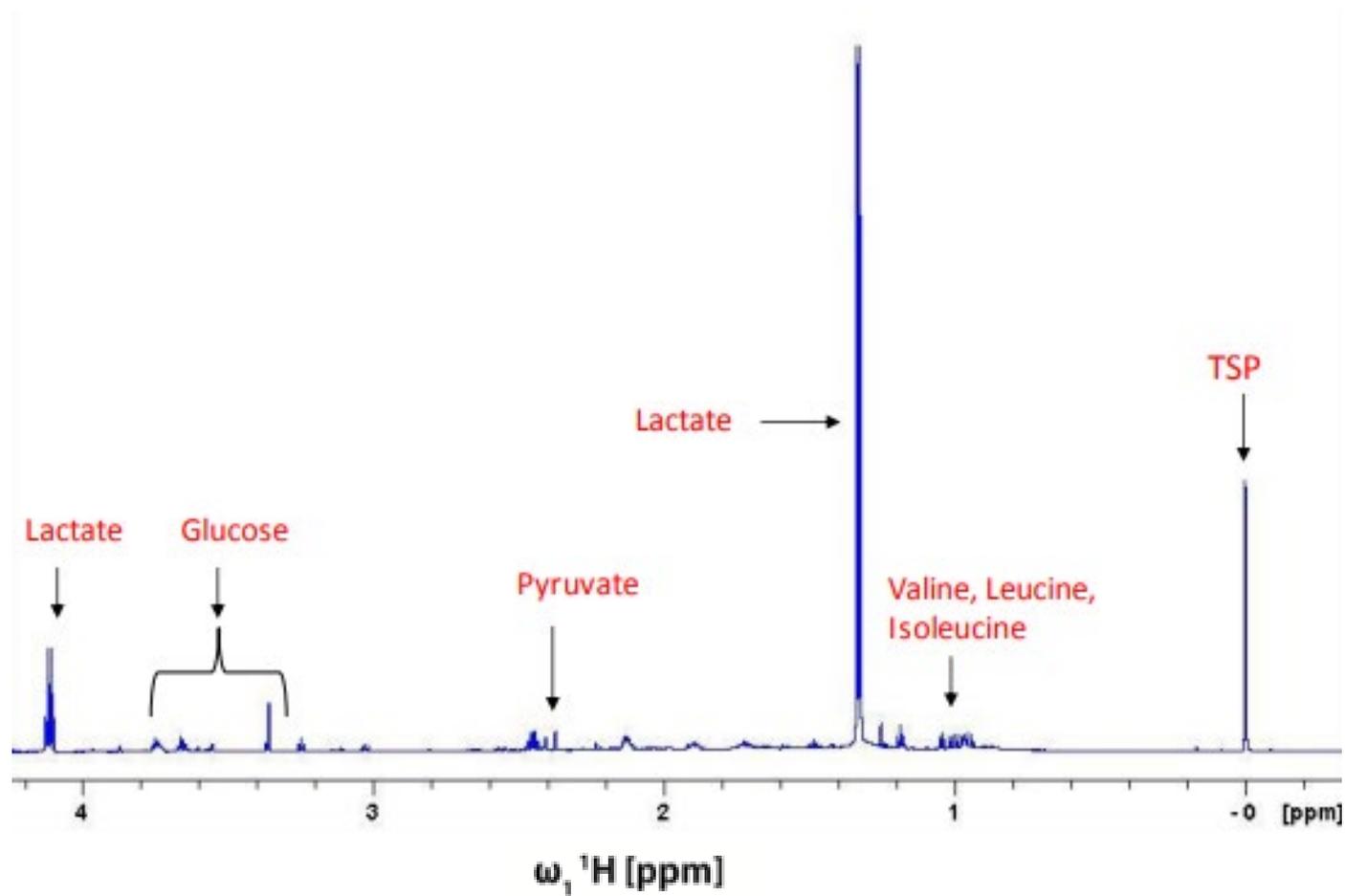


Fig. S2. Representative figure of 1D ¹H NMR spectrum of the KSOM medium used in this study. Figure illustrates the assignment of peaks for different metabolites identified by 800 MHz NMR spectroscopy. X-axis represents the chemical shift in parts per million.