

Supporting Information for

C₆₀ Fullerenes Suppresses Reactive Oxygen Species Toxicity Damage in Boar Sperm

Xinhong Li^{1, *}, Lirui Wang^{1,2}, Jieli Fu¹, Linqing Zhen¹, Yuhua Li¹, Yaozhong Zhang⁴, Yafei Zhang^{3, *}

¹Shanghai Key Laboratory of Veterinary Biotechnology, School of Agriculture and Biology, Shanghai Jiao Tong University, Shanghai 200240, People's Republic of China

²Institute of Nano Biomedicine and Engineering, Shanghai Engineering Research Centre for Intelligent Diagnosis and Treatment Instrument, Department of Instrument Science and Engineering, School of Electronic Information and Electrical Engineering, Shanghai Jiao Tong University, Shanghai 200240, People's Republic of China

³Key Laboratory of Thin Film and Microfabrication (Ministry of Education), Department of Micro/Nano Electronics, School of Electronics, Information and Electrical Engineering, Shanghai Jiao Tong University, Shanghai 200240, People's Republic of China

⁴Department of Electrical and Computer Engineering, Michigan State University, East Lansing, USA

*Corresponding authors. E-mail: lixinhong7172@sjtu.edu.cn (Xinhong Li); yfzhang@sjtu.edu.cn (Yafei Zhang)

Supplementary Figures

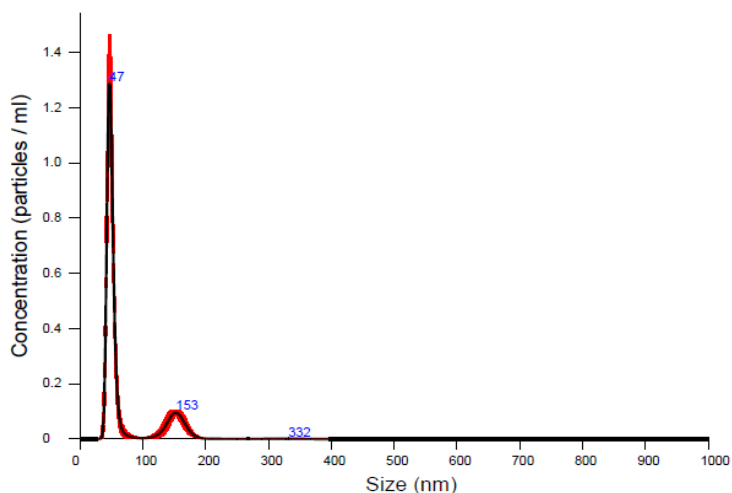


Fig. S1 The averaged FTLA concentration/size for carboxylated C₆₀

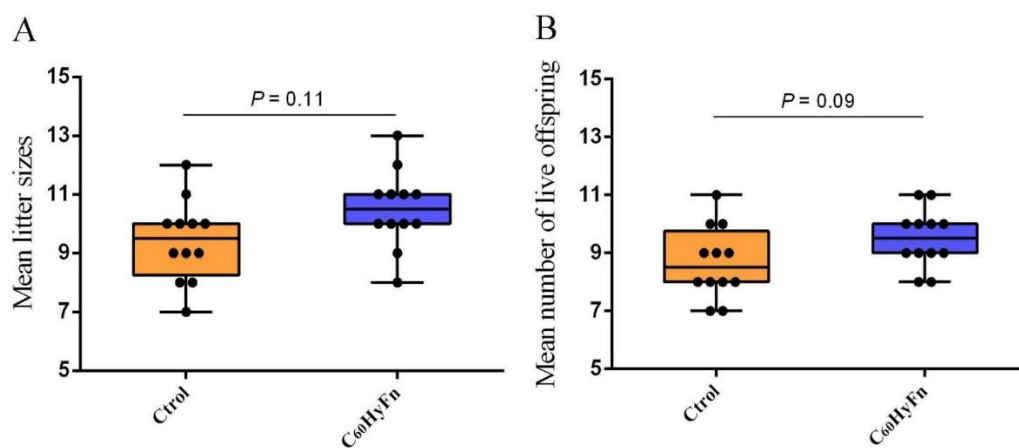


Fig. S2 The reproductive indexes of sows using the semen diluent supplement with carboxylated C₆₀ were compared