



Figure S1:  $^1\text{H}$  NMR spectra of seminal plasma obtained from different portions of the pig ejaculate (first 10 ml from the sperm-rich fraction [SRF-P1; **A**], the rest of sperm rich fraction [SRF-P2; **B**], the post-sperm-rich fraction [PSRF; **C**] and the entire ejaculate (**D**) recorded at 400 MHz and 298K.