

Supplementary Material

Novel insights into the role of cell-free seminal mRNAs on semen quality and cryotolerance of spermatozoa in bulls (*Bos taurus*)

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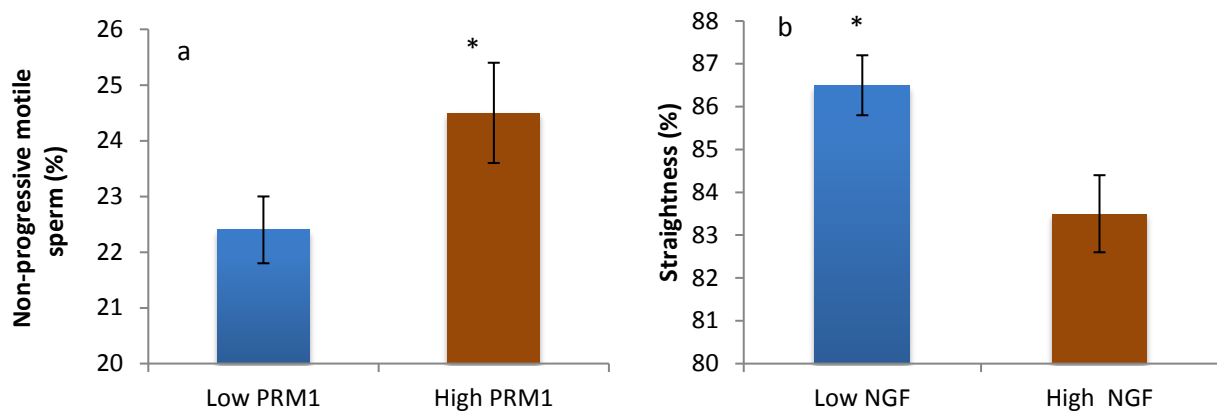


Fig. S1. Influence of cell free seminal mRNA, (a): *PRM1* on non-progressive motile spermatozoa (%) and (b): *NGF* on sperm kinematics parameter, straightness (%) in the post-thaw semen samples (* $P < 0.05$).

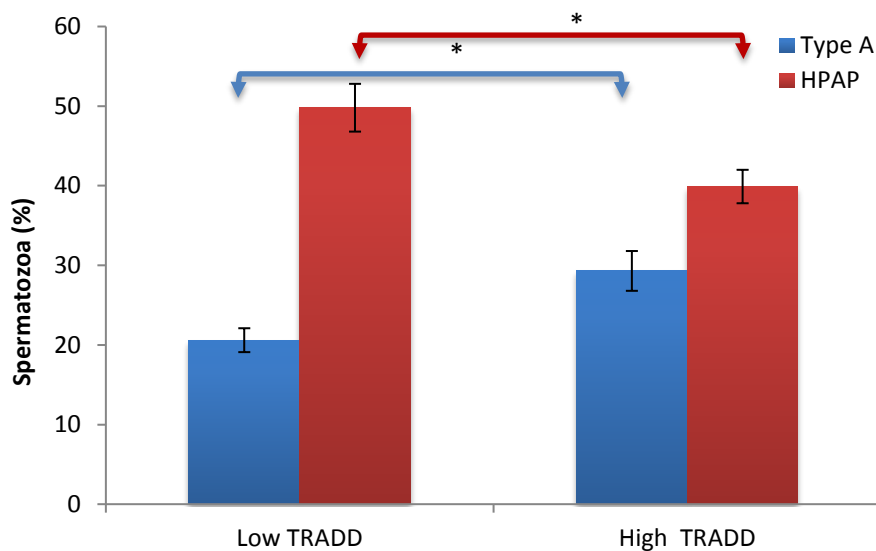


Fig. S2. Influence of cell free seminal plasma mRNA, *TRADD* on type-A spermatozoa (%) and functional membrane and acrosomal integrity (HPAP, %) in the raw semen samples (* $P < 0.05$).