

Supplementary Material

Relationship between seminal plasma tuberoinfundibular peptide of 39 residues and sperm functional attributes in buffalo (*Bubalus bubalis*)

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Table S1. The motility and velocity characteristics of post thaw spermatozoa from two different groups classified based on differential expression of TIP39 (western blot)

The motility and velocity parameters of the semen samples were analysed using computer assisted semen analyser. The values are expressed as mean \pm s.e.m.

Parameters	Protein low ($n = 5$)	Protein high ($n = 6$)
Progressive forward motility (%)	44.10 \pm 9.93	47.33 \pm 4.68
Fast progressive spermatozoa (%)	37.85 \pm 11.20	42.69 \pm 4.75
Rapid motility (%)	47.22 \pm 11.56	53.53 \pm 5.70
Straight line velocity (VSL, $\mu\text{M s}^{-1}$)	44.17 \pm 8.59	54.25 \pm 4.91
Linearity (LIN; %)	63.7 \pm 3.10	66.3 \pm 2.80
Straightness (STR; %)	81.35 \pm 2.05	81.22 \pm 0.88
Type A (ALH.2.5 μM , STR > 85%)	18.60 \pm 5.75	21.00 \pm 1.77