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ACCEPTED MANUSCRIPT

Cysteine protease 30 (CP30) contributes to adhesion and cytopathogenicity in feline *Tritrichomonas foetus*

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Highlights

- Bovine *T. foetus* (TF) cysteine protease 30 (CP30) is identified in feline TF.
- CP30 is present in feline TF and non-pathogenic *Pentatrichomonas hominis* (PH).
- Inhibition of CP30 reduces adhesion and cytotoxicity to host epithelium *in vitro*.
- Confocal microscopy shows differences in CP30 localization between TF and PH.
- CP30 represents a novel target for treatment of feline *T. foetus*.

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