

Distance matrix (a) of 1430bp of 18s ribosomal RNA of 5 sequences of *Babesia capesnsis* sp. nov. and one *babesia* sp. Sequence from this study were generated using Geneious 7.1.9 (<https://www.geneious.com>).

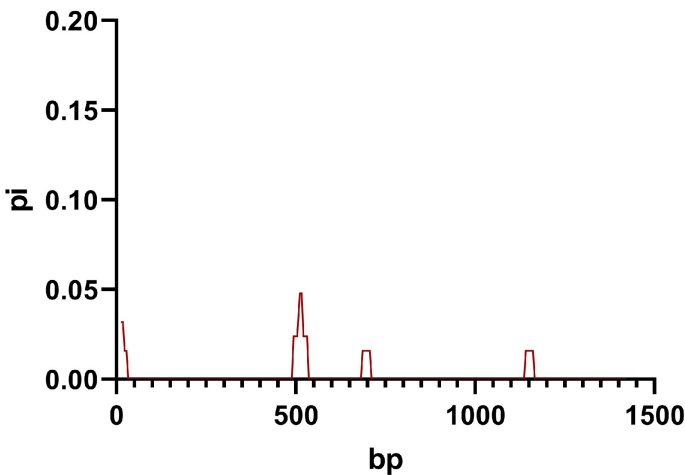
DNA polymorphism comparing variable regions of 5 sequences of *Babesia capesnsis* sp. nov. (b) and between *Babesia capesnsis* sp. nov. and *babesia* sp. (c) was done using DNasp5 with sliding window option; windows length was set to 25 and step size was 5. Sites with alignment gaps were not counted in the window length.

Consensus sequence of the variable regions shown in graphs b and c were generated using Geneious (d)

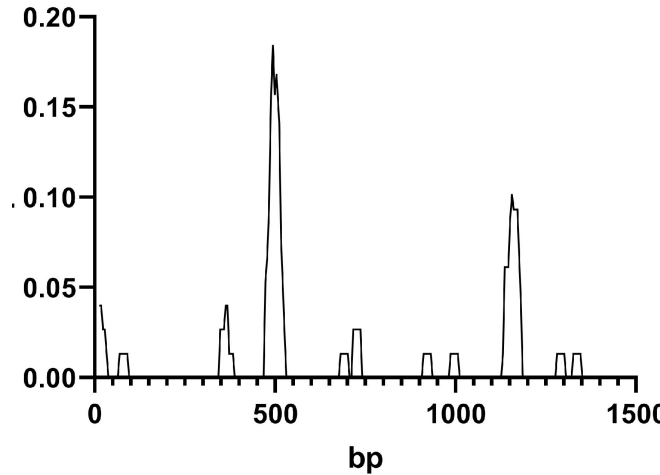
a)

	PX661656	PX661655	PX661654	PX795691	PX795690	PX661657
PX661656		99.79%	99.86%	99.79%	99.79%	96.87%
PX661655	99.79%		99.79%	99.72%	99.72%	96.80%
PX661654	99.86%	99.79%		99.79%	99.79%	97.01%
PX795691	99.79%	99.72%	99.79%		100%	97.01%
PX795690	99.79%	99.72%	99.79%	100%		97.01%
PX661657	96.87%	96.80%	97.01%	97.01%	97.01%	

b)



c)



d)

