

Species *Candidatus Ehrlichia pampeana*

Etymology

[pam.pe.a.na] *pampeana*

Nomenclatural type

Unknown

Description

Ehrlichiae are small Gram-negative tick-transmitted coccobacilli that obligately dwell inside cells. These microorganisms are classified as α -proteobacteria belonging to the family Anaplasmataceae included in the order Rickettsiales [1]. Wild mammals, and probably birds [2], constitute natural vertebrate hosts for *Ehrlichia* spp., which are horizontally transmitted through tick bites [3]. *Ehrlichia* species infect different cells in mammals and ticks. While monocytes, neutrophils, or endothelial cells have been detected as the mammalian target cells, salivary glands, intestinal epithelium, and hemolymph cells, are infected in the vectors [4]. Some *Ehrlichia* spp. exhibit tropism for mononuclear phagocyttablees and compose microcolonies within membrane-bound cytoplasmic vacuoles known as morulae [5].

Classification

Bacteria » *Pseudomonadota* » *Alphaproteobacteria* » *Rickettsiales* » *Ehrlichieae* » *Ehrlichia* » *Candidatus Ehrlichia pampeana*

References

Effective publication: Félix et al., 2021 [1]

Registry URL

<https://seqco.de/i:764>

References

1. Félix et al. (2021). Characterization of “*Candidatus Ehrlichia Pampeana*” in *Haemaphysalis juxtakochi* Ticks and Gray Brocket Deer (*Mazama gouazoubira*) from Uruguay. *Microorganisms*. DOI:10.3390/microorganisms9102165