

PGP3 is a Chlamydial Plasmid-Encoded Virulence Factor

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Abstract

infection [10]. Since Chlamydiae complete their biosynthesis inside the inclusion body, any chlamydial proteins that are secreted outside the inclusion may be used by chlamydial organisms as virulence factors for

correlates with chlamydial induction of hydrosalpinx in the upper genital tract, it is reasonable to hypothesize that pGP3 may promote chlamydial pathogenicity in the upper genital tract by promoting chlamydial colonization in the GI tract. Thus, investigating how Pgp3 promotes chlamydial colonization in the GI tract is medically relevant although Chlamydia is not a GI tract pathogen.

Since chlamydial colonization in the GI tract alone is not pathogenic in animals [48] and not associated with any pathologies in humans, the question whether chlamydia is a commensal species in the GI tract has been raised. Thus, it is possible that Chlamydia may have

