

Table 1: Proteins that Uniquely Found *Chlamydiales* Species

Gupta and Griffiths (2006) Trends in Microbiol. 14: 527-535

Protein Loci (Accession No.)	Predicted or Known Function	Protein Loci (Accession No.)	Predicted or Known Function
CT007(AAC67597)	Hypothetical	*CT504(AAC68105)	Hypothetical
CT011(AAC67601)	Hypothetical	*CT538(AAC68140)	Hypothetical
*CT016(AAC67606)	Hypothetical	*CT546(AAC68148)	Outer membrane protein
CT021(AAC67611)	Hypothetical	*CT547(AAC68149)	Lipoprotein, TPR
CT031(AAC67621)	Hypothetical	CT548(AAC68150)	Lipoprotein
*CT038(AAC67628)	Hypothetical	*CT550(AAC68152)	Hypothetical
*CT041(AAC67631)	Putatively exported protein	CT556(AAC68158)	Inner membrane associated
*CT053(AAC67644)	Hypothetical	CT560(AAC68162)	Hypothetical
*CT066(AAC67657)	Hypothetical	*CT569(AAC68171)	PulG (pseudopilin)
CT079(AAC67670)	MreD (cell division membrane protein)	*CT573(AAC68175)	Hypothetical
CT083(AAC67674)	Hypothetical	*CT583(AAC68185)	Virulence plasmid pGP6 related protein
*CT131(AAC67722)	Possible transmembrane protein	*CT590(AAC68192)	Hypothetical
*CT181(AAC67772)	Putatively exported protein	*CT602(AAC68205)	Membrane associated
*CT191(AAC67783)	Hypothetical, cytosolic	CT616(AAC68220)	pfam06785, membrane associated
*CT260(AAC67853)	Hypothetical, COG5465	*CT623(AAC68227)	76kDa homolog
CT266(AAC67859)	Hypothetical	CT631(AAC68235)	Hypothetical
*CT271(AAC67864)	Membrane associated	*CT635(AAC68239)	Hypothetical
CT273(AAC67866)	Hypothetical	*CT638(AAC68242)	COG1792, MreC (Cell shape-determining)
*CT274(AAC67867)	Type III secretion system chaperone, TPR	*CT642(AAC68246)	Membrane associated
*CT283(AAC67876)	Putative Inner membran protein	*CT652.1(AAC68830)	Hypothetical
*CT303(AAC67896)	Hypothetical	CT665(AAC68260)	Hypothetical
*CT309(AAC67902)	Hypothetical	CT666(AAC68261)	Hypothetical
CT311(AAC67904) ^a	Hypothetical	*CT667(AAC68262)	Hypothetical, TPR
CT312(AAC67905)	Putative ferredoxin	*CT670(AAC68265)	Hypothetical
*CT350(AAC67945)	COG1413, putative outer membrane protein	CT700(AAC68295)	Hypothetical, TPR
*CT351(AAC67946)	Lipoprotein	CT734(AAC68329)	Lipoprotein
*CT355(AAC67950)	Putatively exported protein	CT733(AAC68328) ^a	Membrane associated
*CT384(AAC67980)	Membrane associated	CT743(AAC68338)	Hc1 (histone-like protein (HctA))
CT421.2(AAC68031)	Hypothetical	CT764(AAC68359)	Hypothetical
*CT429(AAC68026)	Hypothetical	CT788(AAC68383)	Leader (60) periplasmic peptide
*CT433(AAC68032) ^a	HemD (Uroporphyrinogen-III synthase)	*CT809(AAC68405)	pfam02620, cytosolic
CT443(AAC68042)	OmcB (outer membrane chaperone)	*CT838(AAC68435)	YjgP/YjgQ
*CT446(AAC68045)	EUO (early upstream open reading frame)	*CT845(AAC68442)	Hypothetical, cytosolic
CT474(AAC68074)	LysM (lysine motif)	*CT849.1(AAC68455)	Hypothetical
*CT484(AAC68084)	Hypothetical	*CT865(AAC68463)	Membrane associated

^a *Protochlamydia* homolog has relatively high E value.*Present also in *Simkania negevensis*

Abbreviations; SH3, bacterial SH3 domain homolog; TPR, Tetratricopeptide repeat domain