

**Table 4: Listing and Characteristics of *Chlamydomophila*-specific proteins
Griffiths , E., Ventresca, M.S. and Gupta, R.S. (2006) *BMC Genomics*, 7:14.**

Protein Loci	Protein Name/Size	C. cav	C. abo	C. pne	Next Best Hit
CCA00062 (AAP04814)	YwbM, 463aa	0	6e-113, 501aa	1e-14, 382aa	<i>Aspergillus nidulans</i> (0.56, 182aa)
CCA00177 (AAP04928)	hypoth, 367aa	0	1e-146, 370aa	7e-35, 366aa	<i>Tetraodon nigroviridis</i> (2.7, 659aa)
CCA00189 (AAP04940)	hypoth, 316aa	0	2e-111, 316aa	3e-60, 312aa	<i>Novosphingobium aromaticivorans</i> (0.010, 331aa)
CCA00222 (AAP04973)	put. mb. protein , 123aa	1e-55	6e-22, 113aa	3e-05, 110aa	<i>Campellolebias dorsimaculatus</i> , (0.04, 348aa)
CCA00246 (AAP04997)	put. lipoprotein, 313aa	0	6e-158, 314aa	3e-96, 317aa	No other BLAST hits
CCA00261 (AAP05012)	put. mb. protein, 1044aa	0	0, 1105aa	3e-64, 1033aa	<i>Capsicum annuum</i> (0.18, 576aa)
CCA00296 (AAP05045)	hypoth, 448aa	0	4e-74, 442aa	2e-35, 445aa	<i>Ralstonia eutropha</i> (1.6, 556aa)
CCA00299 (AAP05048)	hypoth, 288aa	5e-146	4e-96, 288aa	3e-45, 289aa	<i>Neurospora crassa</i> (1.4 , 541aa)
CCA00352 (AAP05100)	hypoth, 197aa	3e-95	2e-60, 204aa	5e-12, 212aa	<i>Cryptophlebia leucotreta</i> (0.016, 395aa)
CCA00353 (AAP05101)	hypoth, 186aa	3e-85	3e-60, 205aa	1e-11, 175aa	<i>Mus musculus</i> (0.12, 718aa)
CCA00360 (AAP05108)	put. inner mb. protein, 97aa	4e-47	4e-28, 104aa	1e-04, 101aa	<i>Arabidopsis thaliana</i> (0.58, 513aa)
CCA00361 (AAP05109)	put. inner mb. protein,, 110aa	4e-57	2e-42, 110aa	0.014, 111aa	<i>Bacillus licheniformis</i> (1.3, 416aa)
CCA00434 (AAP05180)	put. inner mb. protein, 451aa	0	4e-125, 435aa	6e-34, 424aa	other <i>Chlamydomophila</i> hits <i>Apis mellifera</i> (0.93, 1500aa)
CCA00497 (AAP05241)	hypoth, 471aa	0	3e-173, 471aa	1e-55, 515aa	<i>Trophyrema whipplei</i> (2.9, 735aa)
CCA00530 (AAP05273)	hypoth, 424aa	0	1e-32, 435aa	6e-26, 435aa	<i>Fusobacterium nucleatum</i> (3.2 , 448aa)
CCA00575 (AAP05317)	put. lipoprotein, 294aa	3e-165	1e-97, 277aa	3e-59, 284aa	<i>Wolinella. succinogenes</i> (2.5, 329aa)
CCA00576 (AAP05318)	hypoth 170aa	7e-88	1e-43, 155aa	2e-18, 164aa	<i>Melanoplus sanguinipes</i> (0.36, 254aa)
CCA00578 (AAP05320)	put. lipoprotein, 280aa	1e-160	7e-08, 277aa	2e-05, 284aa	<i>Plasmodium falciparum</i> (1.3, 294aa)
CCA00621 (AAP05363)	PTMP, 108aa	3e-54	2e-33, 108aa	4e-09, 161aa	<i>Agrobacterium tumefaciens</i> (0.34 , 279aa)
CCA00738 (AAP05479)	lipoprotein, 95aa	5e-35	3e-15, 99aa	0.003, 99aa	<i>Mycobacterium leprae</i> (8.5, 574aa)

These proteins are uniquely found in species belonging to *Chlamydomophila* genus but they are absent in various *Chlamydia* and *Protochlamydia* species as well as all other groups of bacteria. Abbreviations: put. inner mb., putative inner membrane protein, PTMP, putative transmembrane protein.