

Appendices

A. Seven papers directly related to PhD thesis (PDF full text papers are attached):

1. **Kong, F., X. Zhu, W. Wang, X. Zhou, S. Gordon, and G. L. Gilbert.** 1999a. Comparative analysis and serovar-specific identification of multiple-banded antigen genes of *Ureaplasma urealyticum* biovar 1. *J.Clin.Microbiol.* **37**:538-543.
2. **Kong, F., G. James, Z. Ma, S. Gordon, W. Bin, and G. L. Gilbert.** 1999b. Phylogenetic analysis of *Ureaplasma urealyticum*--support for the establishment of a new species, *Ureaplasma parvum*. *Int.J.Syst.Bacteriol.* **49**:1879-1889.
3. **Kong, F., Z. Ma, G. James, S. Gordon, and G. L. Gilbert.** 2000a. Species identification and subtyping of *Ureaplasma parvum* and *Ureaplasma urealyticum* using PCR-based assays. *J.Clin.Microbiol.* **38**:1175-1179.
4. **Kong, F., Z. Ma, G. James, S. Gordon, and G. L. Gilbert.** 2000b. Molecular genotyping of human *Ureaplasma* species based on multiple-banded antigen (MBA) gene sequences. *Int.J.Syst.Evol.Microbiol.* **50**:1921-1929.
5. **Kong, F., S. Gowan, D. Martin, G. James, and G. L. Gilbert.** 2002a. Serotype identification of group B streptococci by PCR and sequencing. *J.Clin.Microbiol.* **40**:216-226.
6. **Kong, F., S. Gowan, D. Martin, G. James, and G. L. Gilbert.** 2002b. Molecular profiles of group B streptococcal surface protein antigen genes: relationship to molecular serotypes. *J.Clin.Microbiol.* **40**:620-626.
7. **Kong, F., D. Martin, G. James, and G. L. Gilbert.** 2003. Towards a genotyping system for *Streptococcus agalactiae* (group B streptococcus): use of mobile genetic elements in Australasian invasive isolates. *J.Med.Microbiol.* **52**:337-344.

These seven papers represent work performed during the past 6 years, in Australia, including several published before I formally started my PhD. In the first paper (Kong *et al.*, 1999a), I began to think about developing a genotyping system for human ureaplasmas, in particular biovar 1 (later *U. parvum*). It showed some promising findings for later ureaplasma studies. Study of biovar 2 (later the “new” *U. urealyticum*) uncovered important clues to the study of human ureaplasma taxonomy and supported a need to upgrade the two biovars to species level as proposed by Professor Janet Robertson and others. The second paper (Kong *et al.*, 1999b) further confirmed this and in the third (Kong *et al.*, 2000a), and fourth

papers (Kong *et al.*, 2000b), I decided the development of a genotyping system based on the proposed new human ureaplasma taxonomy. The paper of Professor Janet Robertson *et al.* (Robertson *et al.*, 2002) finally endorsed the new taxonomy of human ureaplasmas.

Because of the challenges in understanding the pathogenesis of human ureaplasmas infection – I turned to GBS, which has a number of features in common with ureaplasmas, to help solve the **puzzles**. The three GBS papers (Kong *et al.*, 2002a; Kong *et al.*, 2002b; Kong *et al.*, 2003) are the “**by products**” of these enquires. The body text of the thesis (especially the third section) provides some answers to whether and how we can benefit from the integrated studies of GBS and human ureaplasmas.

B. Five papers indirectly related to PhD work (PDF papers are not attached but can find easily from publisher websites):

1. **Kong, F., S. Gordon, and G. L. Gilbert.** 2000. Rapid-cycle PCR for detection and typing of *Mycoplasma pneumoniae* in clinical specimens. *J.Clin.Microbiol.* **38**:4256-4259.
2. **Kong, F., G. James, S. Gordon, A. Zelynski, and G. L. Gilbert.** 2001. Species-specific PCR for identification of common contaminant mollicutes in cell culture. *Appl.Enviro.Microbiol.* **67**:3195-3200.
3. **Zhao, J., F. Kong, R. Li, X. Wang, Z. Wan, and D. Wang.** 2001. Identification of *Aspergillus fumigatus* and related species by nested PCR targeting ribosomal DNA internal transcribed spacer regions. *J.Clin.Microbiol.* **39**:2261-2266.
4. **Robertson, J. A., G. W. Stenke, J. W. Davis, Jr., R. Harasawa, D. Thirkell, F. Kong, M. C. Shepard, and D. K. Ford.** 2002. Proposal of *Ureaplasma parvum* sp. nov. and emended description of *Ureaplasma urealyticum* (Shepard *et al.* 1974) Robertson *et al.* 2001. *Int.J.Syst.Evol.Microbiol.* **52**:587-597.
5. **Kong, F. and G. L. Gilbert.** 2003. Using *cpsA-cpsB* sequence polymorphisms and serotype-/group-specific PCR to predict 51 *Streptococcus pneumoniae* capsular serotypes. *J.Med.Microbiol.* **52**:1047-1058.