Additional data file 1. Overview of microarray experimental set up.

Pneumococcal strains tested
- G54
- TIGR4*  

Exposure:
- +/- human epithelial cells
  - no epithelial cells
  - + monolayer of epithelial cells

Control (medium-treated)
Adherent (cell-associated)
Non-adherent (cells that do not adhere to epithelial cells)

Biological replicates
- 1 2 3

Technical replicates for each biological replicate (Dye swap)

Reference design

S. pneumoniae array:
- 70-mer oligonucleotide array representing ORFs of TIGR4, G54 and R6 strains
- Multiple spots per gene (5x)

*The same experimental design was applied to the TIGR4 strain