

Supplementary Figure S4 : Relative proportions of pioneer genes versus non-pioneer genes in the active transcriptome of *P. pacificus* on each of the four pathogens.

On each of the pathogens, the pioneer genes constitute 12% to 18% of the active transcriptome, significantly less than the expected proportion of about 30% from the distribution in the entire transcriptome.

One-sided Fisher's 2x2 exact test p-values are (a) 9.72E-05 on *B. thuringiensis* (b) 1.01E-04 on *S. aureus* (c) 8.75E-39 on *S. marcescens*, and (d) 8.01E-128 on *X. nematophila*

