**Bordetella pertussis** Lacking Pertactin and Pertussis Toxin

Technical Appendix

**Technical Appendix Figure.** Genomic rearrangement in *Bordetella pertussis* strains I979 and FR3749 compared with vaccine strain Tohama I, aligned in progressiveMauve ([http://darlinglab.org/mauve/user-guide/progressivemauve.html](http://darlinglab.org/mauve/user-guide/progressivemauve.html)). I979 and FR3749 differ by 1 large rearrangement. Location of the 28-kb deletion that includes the *ptx/ptl* operon is marked by a red vertical line.