



**Fig. S1.** Lipopolysaccharide (LPS) O-antigen phenotypes of *Yersinia* strains. Western blot of LPS from 1) *Y. pestis* KIM6+ wt; 2) *Y. pestis* KIM6+ *ddhD-gmd-pstb*; 3) *Y. pseudotuberculosis* IP32953 wt; 4) *Y. pseudotuberculosis* *ddhD-gmd:km*; 5) *Y. pseudotuberculosis* IPmt; and 6) *Y. pseudotuberculosis*  $\Delta$ *ddhD-gmd* (SY406) grown at room temperature. LPS was extracted and analyzed as described (F. Pouillot *et al.*, Microbiology 151:3759-3768, 2005).