

S1 Figure: Detection of F1 antigen produced by the VTnF1 vaccine strain. To determine the F1 capsule production, a dipstick test devised to detect F1 (Chanteau et al. 2003) was used on a cell suspension of the recombinant VTnF1 vaccine strain grown at 37°C in LB broth. The parental V674 strain was used as negative control because it does not possess a *caf* locus, and the *Y. pestis* CO92 strain was used as positive control. A positive band at the same position as the *Y. pestis* control was observed whereas no signal was detected with the V674 *Y. pseudotuberculosis* strain, thus indicating that VTnF1 synthesizes the F1 antigen.

Reference:

Chanteau, S., Rahalison, L., Ralafiarisoa, L., Foulon, J., Ratsitorahina, M., Ratsifasoamanana, L., Carniel, E., and Nato, A. (2003) Development and testing of a rapid diagnostic test for bubonic and pneumonic plague. Lancet 361, 211-216