



Fig. S3 Identification of $\Delta PdKu80$ by PCR

(a) Identification of putative $\Delta PdKu80$ mutants by PCR using primer pairs Ku80-up-F/Ku80-i-R (left) and Ku80-up-F/Ku80-i2-R (right). Lanes 1 and 5: wild-type strain PdKH8; Lanes 2 and 6: $\Delta PdKu80-14$; Lanes 3 and 7: $\Delta PdKu80-22$; Lanes 4 and 8: $\Delta PdKu80-25$; E: blank. (b) Identification of putative $\Delta PdKu80$ mutants by PCR using primer pair Ku80-V-F/hph-R1. Lane 1: wild-type strain PdKH8; Lane 2: $\Delta PdKu80-14$; Lane 3: $\Delta PdKu80-22$; Lane 4: $\Delta PdKu80-25$; M: 5 kb DNA marker